

June 4, 1935.

L. Q. MOORE

2,003,755

SEAL

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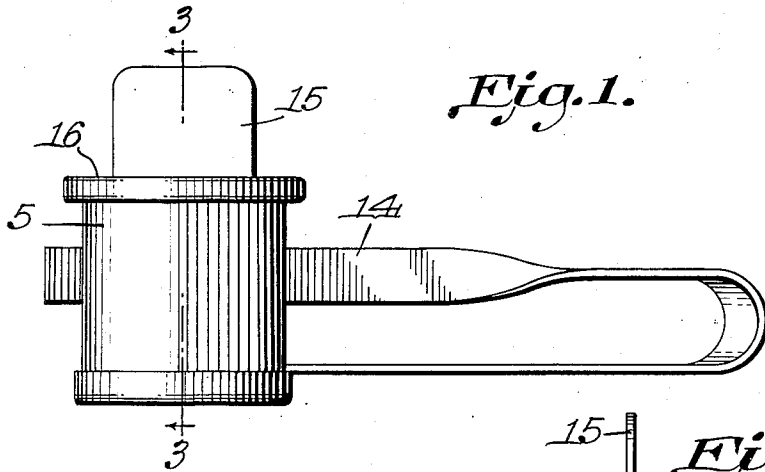


Fig. 1.

Fig. 2.

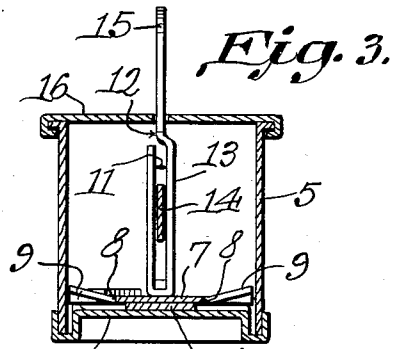
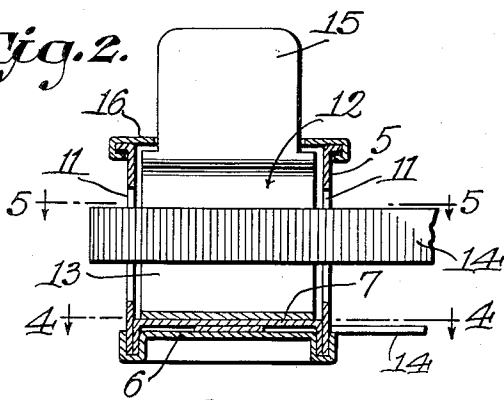


Fig. 3.

Fig. 4.

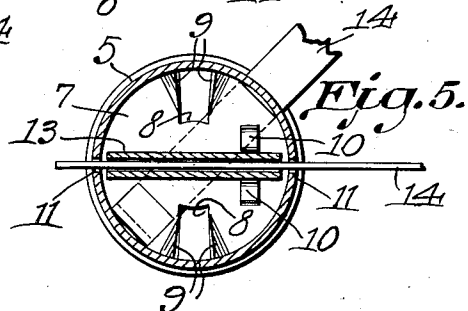
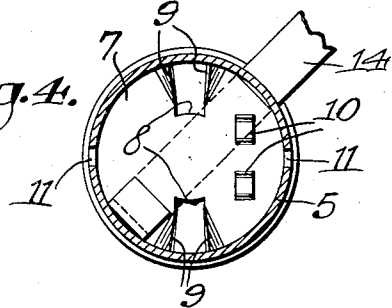


Fig. 5.

Fig. 6.

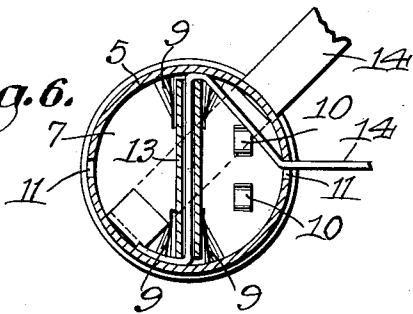
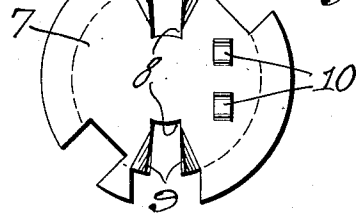


Fig. 7.



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UNITED STATES PATENT OFFICE

2,003,755

SEAL

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and mesne assignments, to The Moore Seal Co.,
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Application January 30, 1934, Serial No. 709,042

4 Claims. (Cl. 292—307)

This invention relates to seals designed for seal-
ing car doors, crates, boxes and the like, the pri-
mary object of the invention being to provide a
seal comprising a housing having means for lock-
ing the free end of the shackle of the seal, making
it impossible to remove the seal without mutilat-
ing or breaking the seal.

Another object of the invention is to provide a
seal including a locking member, means being pro-
vided which normally hold the locking member
against movement, so that accidental displace-
ment of the locking member from a position to re-
ceive the free end of the shackle, will be elimi-
nated.

With the foregoing and other objects in view,
which will appear as the description proceeds, the
invention resides in the combination and arrange-
ment of parts and in the details of construction
hereinafter described and claimed, it being under-
stood that changes in the precise embodiment of
the invention herein disclosed, may be made with-
in the scope of what is claimed without depart-
ing from the spirit of the invention.

Referring to the drawing:

Figure 1 is an elevational view of a seal con-
structed in accordance with the invention.

Figure 2 is a vertical sectional view through the
housing of the seal.

Figure 3 is a sectional view taken on line 3—3
of Figure 1.

Figure 4 is a sectional view taken on line 4—4
of Figure 2.

Figure 5 is a sectional view taken on line 5—5
of Figure 2.

Figure 6 is a transverse sectional view through
the housing, showing the shackle 9 locked to the
housing.

Figure 7 is a detail view of the locking disc and
its spring fingers.

Referring to the drawing in detail, the reference
character 5 designates the housing or body por-
tion of the seal, the same being cylindrical in
formation. However, the design of the housing
may be varied to meet various requirements.

The bottom of the housing is indicated by the
reference character 6, and as shown is secured to
the housing 5 by crimping the edge of the bottom,
over the lower end of the housing. Positioned
within the housing and secured to the housing
during the crimping operation of securing the bot-
tom 6 in position, is a locking disc 7, which disc
is provided with opposite cut out portions 8, the
edges of the cut out portions being extended up-
wardly defining spring locking fingers 9.

Spaced bosses 10 are formed on the locking

disc 7, and are disposed so that the spacing be-
tween the bosses will be in alignment with the
slots 11 formed in the wall of the housing 5 for
purposes to be hereinafter more fully described.

Mounted for rotary movement within the hous-
ing, is a member 12, which member 12 is of a
length to fit within the housing in such a way
that vertical movement of the member 12 will be
prevented.

This member 12 is provided with a loop por-
tion 13 adapted to receive the free end of the
shackle 14 of the seal, the opposite end of the
shackle extending through a horizontal slot near
the bottom of the housing, from where it passes
under the locking disc, and has its extremity bent
around the locking disc, where it is secured by
crimping or pressing the shackle into close en-
gagement with the locking disc.

Under normal conditions, the member 12 is
held within the space between the bosses 10, so
that the loop portion 13 thereof will align with
the slots in the body portion.

As clearly shown by Figure 2 of the drawing,
the member 12 is formed with an extension 15,
that extends through a slot in the cover 16 of
the housing, the cover being positioned over the
upper end of the housing, and held in place in
such a way that rotary movement of the cover
will be permitted.

In the use of the seal, the seal is positioned over
the car door latch or device to be sealed, and
the free end of the seal is passed through the
aligning slots of the housing, and through the
loop portion of the member 12.

The extension 15 is now rotated, causing the
shackle to take a position as shown by Figure 6
of the drawing, whereupon the member 12 has
moved to a position between the fingers 8 and
9 at opposite sides of the locking disc, preventing
reverse movement of the rotary member, and
securely locking the free end of the shackle of
the seal.

Thus it will be obvious that the seal may be
removed only by mutilating or cutting the
shackle.

Having thus described the invention, what is
claimed is:

1. In a seal, a housing having slots in the side
thereof and having a rotary top, a rotary mem-
ber within the housing and extending through
the top, said rotary member having an opening,
means for normally holding the rotary member
in alignment with the slots of the housing, a
shackle, one end of the shackle being secured
within the housing, the opposite end of the

shackle adapted to extend through the slots and opening of the rotary member, said rotary member adapted to be rotated bending the shackle and locking the shackle to the rotary member, and means within the housing for preventing reverse movement of the rotary member.

2. In a seal, a housing having slots in the side thereof, a rotary top on the housing, a locking disc secured within the bottom of the housing, spaced bosses on the disc and disposed in a line with the slots, a rotary locking member having an opening, resting on the locking disc and extending through the top to be gripped by the operator, said rotary member normally resting between the bosses, holding the rotary member in alignment with the slots of the housing, a shackle, one end of the shackle being secured within the housing, the opposite end of the shackle adapted to be extended through the slots of the housing and into engagement with the rotary member, said rotary member adapted to be rotated bending the shackle and securing the shackle to the rotary member, and spring locking fingers adapted to engage the rotary member preventing reverse movement to release the shackle.

3. In a seal, a housing having a rotary top and having slots in opposite sides thereof, a rotary

member within the housing and extending through the top, providing a finger piece, a clutch member in the bottom of the housing and engaging the rotary member, a shackle having one of its ends secured within the housing, the free end of the shackle extending through the slots of the housing and through the rotary member, said shackle adapted to be bent between the rotary member and housing when the rotary member is rotated, and said clutch member adapted to prevent reverse movement of the rotary member, when the rotary member has been moved to bend the shackle.

4. In a seal, a housing, a disk-like clutch member fitted within the bottom of the housing, said housing having slots in opposite sides thereof, a shackle having one of its ends secured between the bottom of the housing and the disk-like clutch, a rotary shackle locking member mounted within the housing, one end of said shackle adapted to extend through the slots of the housing and through the rotary shackle locking member, said rotary shackle locking member adapted to be rotated bending the shackle within the housing, and securing the free end of the shackle.

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