

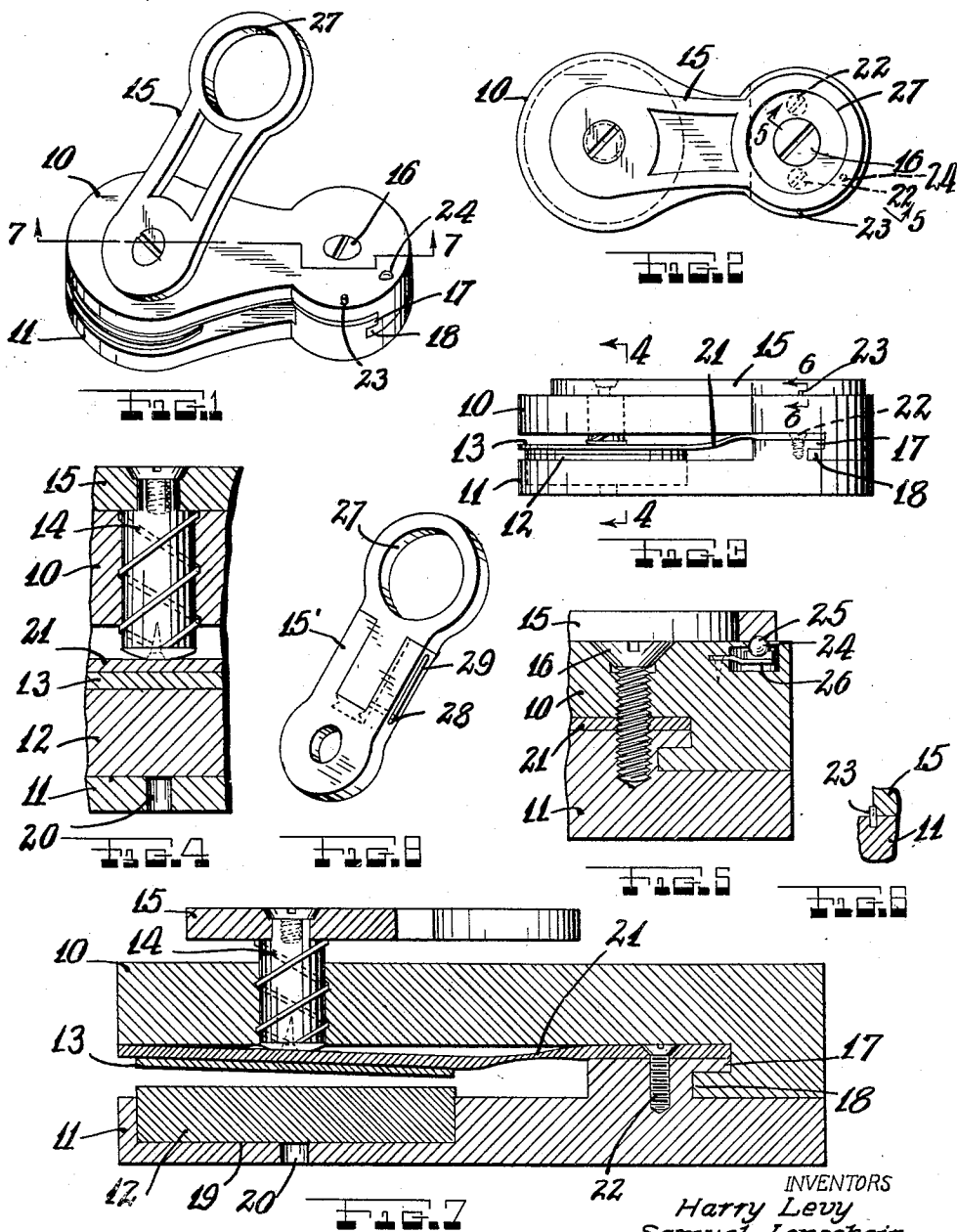
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H. LEVY ET AL

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POCKET IMPRESSION SEAL

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POCKET IMPRESSION SEAL

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This invention relates to new and useful improvements in seals.

Existing seals such as used by notaries and others are operated by pivoted levers at right angles to the planes of the impression blocks thereof. Necessarily the shape of the device is quite bulky and awkward. This prevents the carrying of such a device in one's pocket unless he is willing to stand for much inconvenience.

It is proposed to construct a pocket seal with an operating handle connected with a helix pressure stud, and moving in a plane parallel with the plane of the impression blocks. Thus when the device is in a folded position, the parts are flat and may be conveniently carried in one's pocket without excessive bulk. In addition, the helix arrangement gives a great mechanical advantage even though it occupies a very small space.

More particularly, the invention proposes a U shaped body having arms joined at one of their ends, an impression block mounted on the inner side of one of the arms and engageable by a complementary impression block movably mounted between the arms and urgeable into engagement by a helix pressure stud mounted thru the other of the arms and operable by a handle movable in a plane parallel to the planes of the impression blocks.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:—

Fig. 1 is a perspective view of a device constructed according to this invention.

Fig. 2 is a plan view of Fig. 1.

Fig. 3 is an elevational view of Fig. 2.

Fig. 4 is an enlarged fragmentary transverse sectional view taken on the line 4—4 of Fig. 3.

Fig. 5 is an enlarged fragmentary sectional view taken on the line 5—5 of Fig. 2.

Fig. 6 is an enlarged fragmentary sectional view taken on the line 6—6 of Fig. 3.

Fig. 7 is an enlarged longitudinal vertical sectional view taken on the line 7—7 of Fig. 1.

Fig. 8 is a perspective view of a handle similar to the one illustrated in Fig. 1 but of modified form.

The device consists of a U shaped body having an arm 10 and a second arm 11 joined to each other at one of their ends. An impression block 12 is mounted upon the inner side of the arm 11 and is engageable by a complementary impression block 13 movably arranged between the arms and urgeable into engagement by a helix pressure stud 14 mounted thru the other of the arms and operable by a handle 15.

The said arms 10 and 11 at their joined ends are held together by a large screw 16, and have interengaging lips 17 and 18 for relieving some of the strain from the screw during use of the device. Furthermore, the lips prevent relative rotating of the two arms even though only clamped by one screw.

The said arm 11 is formed with a recess 19 in which the said impression block 12 rests. This recess necessarily is located on the inner side of the arm, and an aperture 20 in the arm communicates therewith so that the impression block may be knocked out from the recess if this is desired. The pitch of the helix stud 14 is quite large so that upon movement of approximately 90° it will have advanced sufficiently to cause engagement of the impression blocks.

A leaf spring 21 is disposed between the arms 10 and 11, and at one of its ends is engaged between the joined ends of the arms. A pair of screws 22 serve to fasten the leaf spring upon the arm 11. The said complementary impression block 13 is attached upon the leaf spring 21 and this constitutes the movable mounting thereof.

A stop pin 23 projects from the top face of the arm 10 near one edge thereof and serves as a stop for the handle 15. In the closed position of the handle, it is only possible to move it to its open position since it is limited against rotation in the wrong direc-

tion by the pin. A snap catch 24 is arranged for holding the handle in its closed position and consists of a ball 25 pressed outwards by a spring 26 mounted in the arm 10. The handle 15 is formed with a small recess into which the ball 25 engages and accomplishes the latching. This may be seen from an inspection of Fig. 5.

Preferably the device should be constructed pear shaped in plan view for convenience in handling and for small construction. The handle 15 is formed with an opening 27 constituting a finger opening for the manipulation thereof. Attention is called to Fig. 3 in which the handle is shown in its closed position and the impression blocks together. In Fig. 7 the handle is shown in its open position and the impression blocks separated.

In Fig. 8 a modified form of handle has been illustrated for the device. At times when the seal is used upon fairly tough paper, it may be necessary to increase the leverage and this is accomplished by the adjustable handle. The handle indicated by reference numeral 15' consists of two sections slidably connected preferably by a dovetailed construction and limited against complete disengagement by a pin 28 projecting from one of the sections and engaging in a slot 29 in the other section. The slidable connection should be quite tight so that friction can be depended upon to maintain the handle in its contracted position. For increasing the leverage it is only necessary to draw the sections apart.

Access may be had to the impression blocks for purposes of repair or replacement by removing the screw 16. Then the arms 10 and 11 may be separated. Upon a removing of the screws 22, the leaf spring 21 may be disengaged and the impression blocks are exposed.

In operation of the device, the handle 15 may be swung to the position shown in Fig. 1 so that the leaf spring 21 holds the impression blocks separated. Material upon which the seal is to be used is then engaged between the impression blocks and the handle 15 swung around to the position in which it is illustrated in Fig. 2. The swinging of the handle thru this arc causes the helix stud 14 to descend and press against the leaf spring 21 and urge the impression blocks together. When not in use, the handle is urged into the position as shown in Fig. 2 and the catch is depended upon to maintain this position. It may then be conveniently carried in one's pocket.

While we have shown and described the preferred embodiment of our invention, it is to be understood that we do not limit ourselves to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope

of the invention as defined in the appended claims.

Having thus described our invention, what we claim as new, and desire to secure by United States Letters Patent is:—

1. A pocket seal comprising a U shaped body having a pair of arms joined at one of their ends, an impression block mounted on the inner side of one of the arms, a complementary impression block movably supported between the arms, a helix pressure stud engaged in the other of the arms and freely engaged against the top complementary impression block and turnable for moving the complementary impression block into arcuate engagement.

2. A pocket seal comprising a U shaped body having a pair of arms joined at one of their ends, an impression block mounted on the inner side of one of the arms, a complementary impression block movably supported between the arms, a helix pressure stud engaged in the other of the arms and freely engaged against the top complementary impression block, a handle engaging the helix pressure stud and turnable for moving the complementary impression block into engagement, said helix pressure stud freely engaged against the complementary impression block so as to permit accurate engagement of the impression blocks.

3. A pocket seal comprising a U shaped body having a pair of arms joined at one of their ends, an impression block mounted on the inner side of one of the arms, a complementary impression block movably supported between the arms, a helix pressure stud engaged in the other of the arms, an extendible handle engaging the helix pressure stud and turnable for moving the complementary impression block into engagement.

4. A pocket seal comprising a U shaped body having a pair of arms joined at one of their ends, an impression block mounted on the inner side of one of the arms, a complementary impression block movably supported between the arms, a helix pressure stud engaged in the other of the arms, an extendible handle consisting of two sections slidably engaged, a limiting pin projecting from one of the sections and engageable in a slot formed in the other section attached to the helix pressure stud and turnable for moving the complementary impression block into engagement.

5. A pocket seal comprising a U shaped body having a pair of arms joined at one of their ends, an impression block mounted on the inner side of one of the arms, a complementary impression block movably supported between the arms, a helix pressure stud engaged in the other of the arms, an extendible handle consisting of two sections slidably engaged, one of the said sections

formed with a large opening as a means for
permitting gripping, the other of the said
sections formed with a small aperture, a
screw engaging through said aperture and
5 attaching said other section to the helix pres-
sure stud and turnable for moving the com-
plementary impression block into engage-
ment.

10 In testimony whereof we have affixed our
signatures.

HARRY LEVY.
SAMUEL LONSCHHEIN.

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