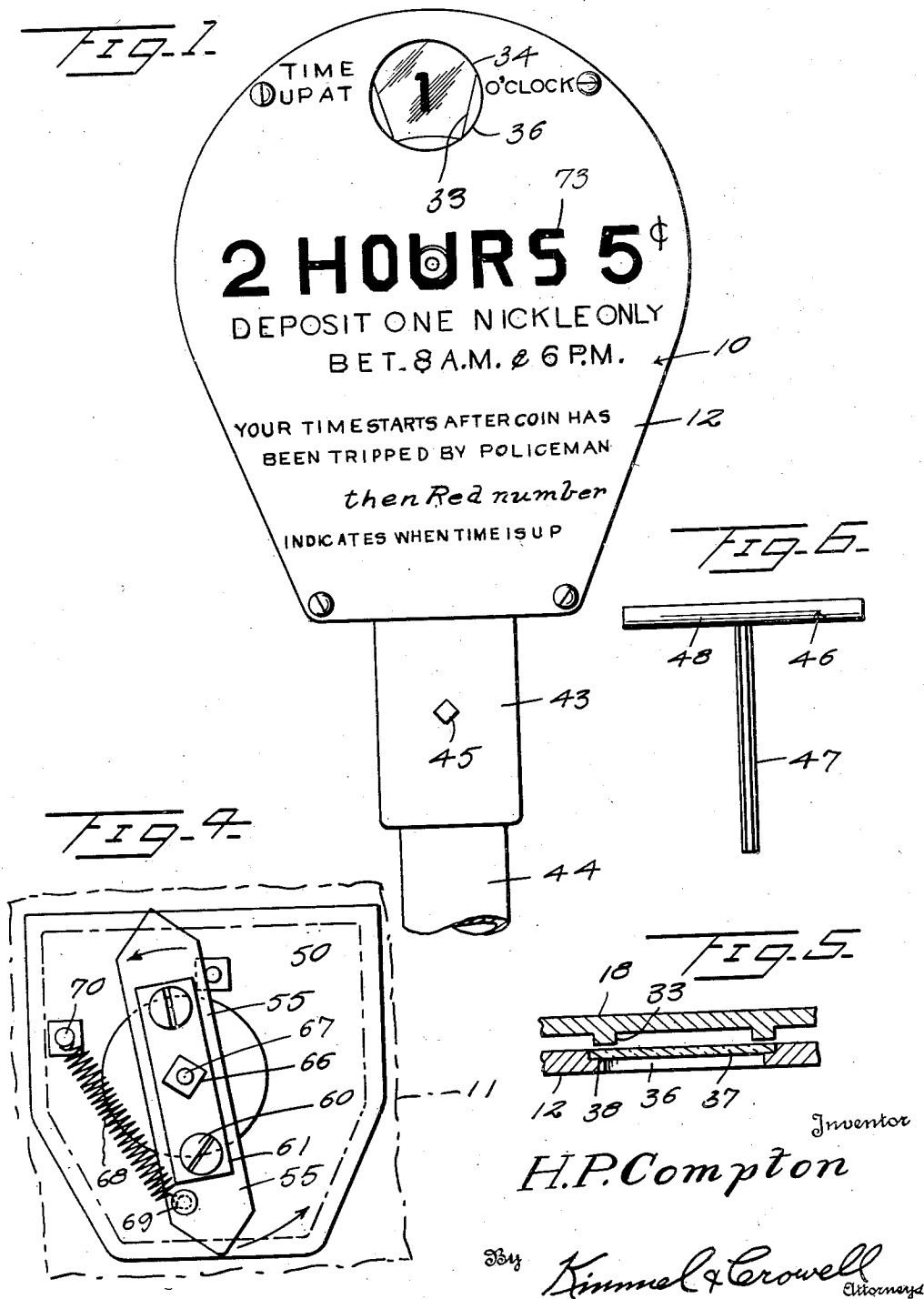


Feb. 20, 1945.

H. P. COMPTON
PARKING TIME INDICATOR
Filed Nov. 30, 1942

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2 Sheets-Sheet 1



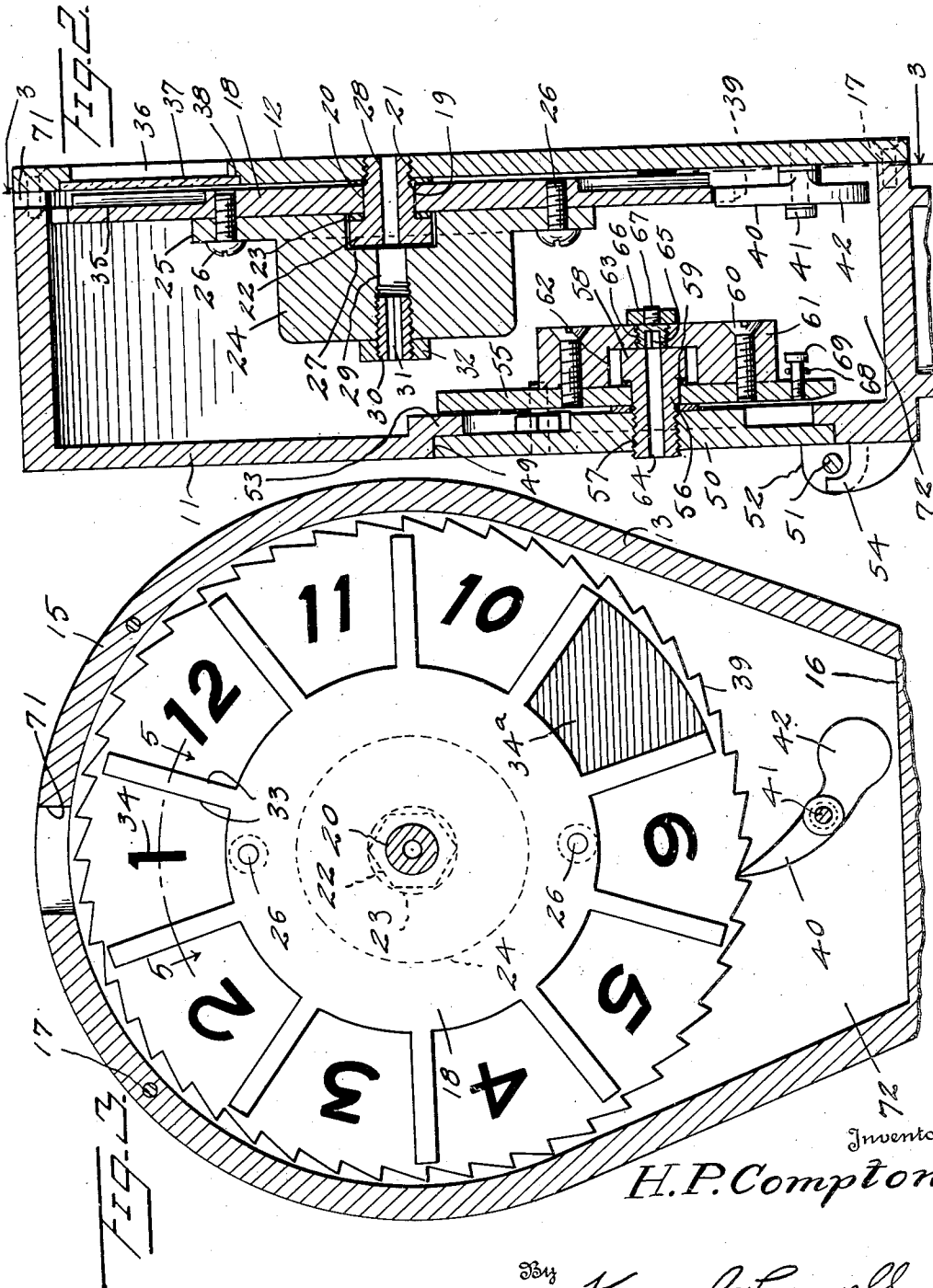
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UNITED STATES PATENT OFFICE

2,369,717

PARKING TIME INDICATOR

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Application November 30, 1942, Serial No. 467,371

1 Claim. (Cl. 232—1)

This invention relates to parking time period expiration indicators.

An object of this invention is to provide a parking time period expiration indicator which is manually operated by means of an inserted key, the device embodying a rotary disk carrying numbers indicating the expiration of the parking time, and including a coin slot for dropping a coin within a numbered space.

Another object of this invention is to provide a device of this kind including a numbered and chambered disk and means for holding the disk against rotation in one direction.

A further object of the invention is to provide an improved means for mounting the rotary disk within the selected housing.

A further object of this invention is to provide a rotary time indicating disk which is adapted to release inserted coins when the disk is rotated, the coins gravitatingly dropping into the lower portion of the housing which constitutes a coin receptacle.

A further object of this invention is to provide an improved means for locking the entrance door to the lower portion of the housing, the key for rotating the numbered disk being insertable in the lock of the door to effect opening of the latter.

With the above and such other objects in view, the invention consists of such parts and such combination of parts as will be more specifically described and are as illustrated in the accompanying drawings wherein are shown embodiments of the invention, but it is to be understood that changes, variations and modifications may be resorted to which fall within the scope of the invention, as claimed.

In the drawings:

Figure 1 is a detail front elevation of a parking time indicator constructed according to an embodiment of this invention;

Figure 2 is a fragmentary vertical section of the device;

Figure 3 is a sectional view taken on the line 3—3 of Figure 2;

Figure 4 is an inner elevational view of the locking mechanism;

Figure 5 is a fragmentary sectional view taken on the line 5—5 of Figure 3;

Figure 6 is a detail side elevation of the operating key.

Referring to the drawings the numeral 10 designates generally a housing which includes a rear wall 11, a front wall 12, opposite side walls 13 and 14, the latter merging with an arcuate top wall 15. The side walls 13 and 14 are disposed

in downwardly convergent relation and formed integral with the bottom wall 16. Preferably, the housing 10 is cast from metal, the side walls 13 and 14, the top and bottom walls 15 and 16, and the rear wall 11, being formed as an integral unit. The front wall 12 is constructed in the form of a plate which is secured by fastening members 17 to the forward open side of the housing.

A disk 18 is rotatably mounted in the housing 10 in confronting position to the rear side of the front wall 12. The disk 18 is rotatably mounted on a bolt 19 which is extended through an opening 20 formed in the disk 18 and the bolt 19 is threaded as at 21 from the inside into the front wall 12. The outer end of the bolt or stationary pivot member 19 is preferably substantially flush with the outer side of the front wall 12. The bolt or pivot member 19 has a head 22 thereof innermost and a washer 23 is interposed between the head 22 and the adjacent inner face of the disk 18. A block 24, which is formed with an annular flange 25, is secured by fastening devices 26 to the rear face of the rotary disk 18. The block 24 is provided with an outwardly facing opening or socket 27 within which the head 22 of the bolt 19 is adapted to loosely engage. The bolt 19 is formed with an axial bore 28 which, at its inner end, communicates with a bore 29 formed centrally of the block 24. A threaded socket member 30 is threaded into the inner end of the block 24 and is formed with a polygonal opening 31 which is in axial alinement with the bore 28 of the bolt 19. The threaded socket member 30 is locked against rotation with respect to the block 24 by means of a lock nut 32.

The front face of the disk 18 is provided with a plurality of segmental coin receiving pockets 33 which open forwardly and also open through the periphery of the disk 18. The pockets 33 have indicia 34 on the rear wall 35 thereof, and the indicia 34 is adapted to be exposed through a window opening 36 which is formed in the front wall 12 adjacent the upper portion thereof. A transparent panel 37 is mounted in a rabbeted seat 38 formed on the inner side of the front wall 12 so that the selected indicia 34 on the disk 18 may be viewed from the front of the housing. The disk 18 has one pocket 34a thereof which is painted red, or other suitable color, the red indicating that the parking meter is not in use. The numerals or indicia 34 indicate the limit of time for which the parking charge has been paid and therefore, expiration of the parking time.

The disk 18, on the periphery thereof, is provided with a plurality of ratchet teeth 39, and a

dog or pawl 40 is mounted on a pivot 41 carried by the front wall 12 of the housing adjacent the lower portion thereof, and is adapted to engage the teeth 39.

The pawl 40 is gravitatingly maintained in contact with the teeth 39 by means of a weight 42 which may be formed integral with the pawl 40, and positioned oppositely therefrom. The housing 10 is formed integral with the bottom wall thereof, with a downwardly opening socket 43 which is adapted to telescope the upper end of a supporting post or standard 44. The socket 43 may be fixedly secured relative to the post or standard 44 by means of a set screw 45, or other suitable fastening means. The disk 18 is adapted to be rotated to a selected position by means of a key 46.

The key 46 is formed of a polygonal stem 47 having a right angular head or handle 48 secured to one end thereof. The polygonal stem 47 is adapted to be inserted through the bore 28 of the bolt 19 and to telescope into the socket 31 of the threaded member 30. Rotation of the handle 48 in a clockwise direction, as viewed in Figures 1 and 3, will effect rotation of the disk 18, to the desired position for exposing the desired indicia 34.

The housing 10 has an opening 49 formed in the rear wall thereof, and a closure 50 is adapted to engage in the opening 49. The closure 50 is pivotally mounted on a hinge member or pivot 51 which engages through ears 52 carried by the closure 50 and also by the rear wall 11 of the housing. An inwardly offset flange 53 is formed integral with the inner side of the rear wall 11 and provides a seat or stop for the closure 50. An outwardly offset lug 54 is formed integral with the lower portion of the housing wall 11, and is adapted to limit the downwardly swinging movement of the closure 50 when the latter is swung to an open position.

The closure 50 is adapted to be locked by means of a pivoted locking bolt 55. The bolt 55 is pivotally mounted on a threaded bolt 56 which is threaded as at 57 into the closure 50 from the inner side of the latter. The threaded bolt 56 is formed with a head 58 and a washer 59 is interposed between the head 58 and the inner side of the locking bolt 55. The locking bolt 55 has secured by fastening devices 60 to the inner side thereof, a block 61. The block 61 is formed with an opening 62 for encompassing the head 58 of the threaded bolt 56. The key socket member 63 is threaded into the block 61 in axial alinement

with a bore 64 which is formed through the bolt 56. The threaded socket member 63 is formed with a polygonal socket 65, similar to the socket 31, and socket member 63 is locked against turning with respect to the block 61 by means of a lock nut 66 which may be threaded onto a reduced threaded portion 67 formed integral with the socket member 63. The locking bolt 55 is constantly urged to a locking position by means of a spring 68 which has one end thereof mounted on a headed pin 69 carried by the locking bolt 65. The opposite end of the spring 68 is mounted on a pin or bolt 70 which is carried by the rear side of the closure 50.

In the use and operation of this parking time indicator, a coin of suitable dimension is inserted through a coin slot 71, which is formed in the top wall 15. This coin is adapted to drop into a pocket 33 which is in registry with the window 36. The coin will be exposed through the transparent panel 37. The attendant having the key 46 will insert this key through the front wall 12 and rotate the disk 18 to expose the desired numeral 34 through the window 36. The inserted coin in the pocket 33 may not immediately drop into the coin receiving chamber 72 which is formed in the housing 10 below the disk 18 as the disk 18 may only rotate for one or two numerals. However, when the disk 18 is rotated to position the inserted coin in a lowermost position, the coin will gravitatingly drop out of the pocket into the coin chamber 72.

The front wall 12 of the housing may have printing 73 indicating the time allowed for a given coin in addition to other instructions relating to the use and operation of the device. This device is of simple construction, and is manually rotated by an attendant who may be a policeman or other attendant.

I claim:

In a parking time indicator, the combination of an open faced housing, a closure plate for said housing, means carried by said plate for receiving a coin or the like and for giving a predetermined time indication, the said means including a non-reversible rotatable element provided with a series of circumferentially arranged coin receiving pockets, the said pockets having indicia on the faces thereof, the said plate being provided with a window means whereby said indicia may be selectively viewed, and key operated means whereby said rotatable element may be manually rotated.

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