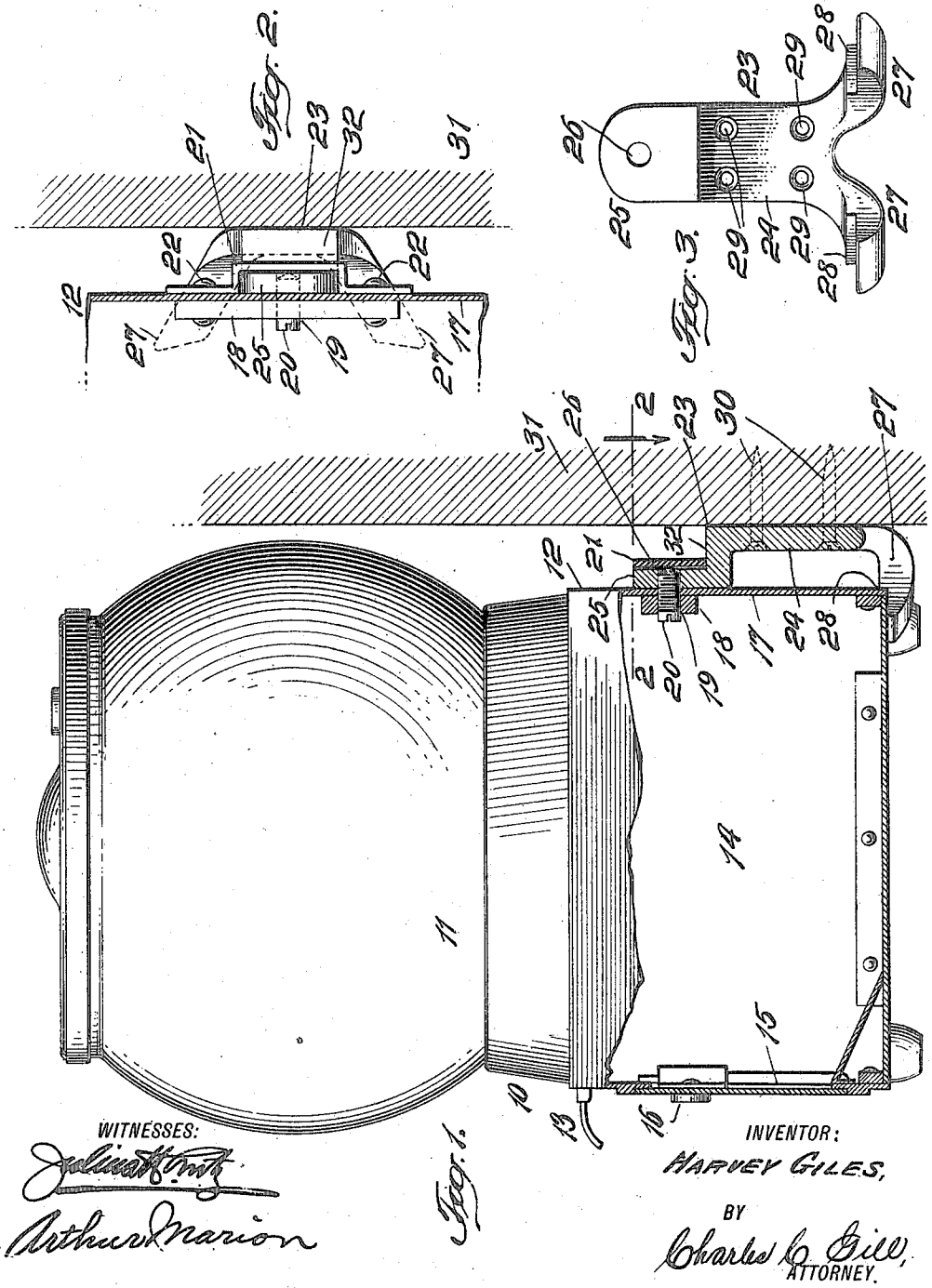
H. GILES.

COIN CONTROLLED VENDING MACHINE.

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WITNESSES:

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COIN-CONTROLLED VENDING-MACHINE.

1,208,137. Specification of Letters Patent. Patented Dec. 12, 1916.

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To all whom it may concern:

Be it known that I, HARVEY GILES, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Coin-Controlled Vending-Machines, of which the following is a specification.

The invention pertains more particularly to coin-controlled vending machines of the smaller type having a superposed goods receptacle and a base-portion forming a coin-receiving chamber and equipped at its front with a door which may be locked in closed position and opened when necessary, and the invention resides more especially in special means for securely fastening the machine to a vertical wall or corresponding surface.

It has been found that small machines of the character referred to herein are liable to be stolen, and hence the object of my invention is to provide such adequate securing and supporting means for the machine as to render it substantially impossible for the machine to be stolen.

In accordance with my invention I equip the front of the coin-chamber of the machine with a door having a lock, and the back of said chamber with an inner transverse bar containing a locking-screw which may be reached by means of a screw-driver through the door-way of the machine when the door is opened or removed, and I provide the back of the base of the machine with an iron loop extending transversely and securely riveted at its ends through said back and through the aforesaid bar, and with the base portion of the machine I associate a bracket of special construction adapted to be screwed to a supporting wall and having at its lower end claws entered below and engaging the bottom of the machine and at its upper end a member adapted to snugly fill the aforesaid loop and having a hole within the confines of said loop into which the aforesaid locking screw may be entered. The concealed locking screw prevents the withdrawal of the machine from the bracket, and the back of the machine is so close to the body of the bracket as to prevent the removal of the screws by which the bracket is fastened to the supporting wall. I first screw the bracket to the supporting wall and then apply the machine on the bracket and thereafter through the front doorway of the machine, and with the use of a screw-driver, cause the concealed locking screw to enter the hole in the upper end of the bracket, after which I lock the front door of the machine so that an unauthorized person may not be able to reach the concealed locking screw.

The invention will be fully understood from the detailed description hereinafter presented, reference being had to the accompanying drawings, in which:

Figure 1 is a side elevation, partly broken away and partly in section, of a machine and bracket embodying my invention, the same being shown as applied to a wall which is also indicated in section; Fig. 2 is a horizontal section through a portion of the same, taken on the dotted line 2—2 of Fig. 1, and Fig. 3 is a detached inner face view of the bracket.

In the drawings 10 designates a coin-controlled vending machine which, except for the features of my invention, may be considered of usual type, said machine comprising a goods receptacle 11, a base 12, an operating rod 13 for the delivery mechanism, not shown, and a coin-receiving chamber 14 formed in the base 11 and accessible by means of a front door 15 equipped with a suitable lock 16. The base 12 may vary in outline, but I prefer to make use of a rectangular form of base, as shown.

Within the chamber 14 and against the back 17 of the base, I secure a reasonably thick bar 18 having a screw-threaded hole 19 containing a screw 20 whose head is exposed within the chamber 14. The back 17 is apertured in line with the hole 19 so that the screw 20 may extend through said back as well as through the bar 18. Upon the outer or exposed face of the back 17 is secured a metal loop 21 whose ends are riveted, as at 22, to the back 17 and also to the bar 18, the rivets 22 extending through the end portions of the loop 21 and also through the back 17 and bar 18. The bar 18 is thicker than the back 17, and when riveted against said back and to the loop 21 materially strengthens the back and renders the structure as a whole capable of resisting certain strains which might be applied in attempting to tear the machine from its support.

The bracket is designated as a whole by the numeral 23 and comprises a body portion 24, an upper bar member 25 containing a hole 26 and lower foot or claw members 27, there preferably being two claw members 27 diverging from each other and adapted to extend below the rear lower edges of the base 12. The claw members 27 are formed on their upper surface with shoulders 28 adapted to abut against the lower rear vertical edge of the base 12, as shown in Fig. 1. The body-portion 24 of the bracket is formed with counter-sunk screw holes 29 to receive the screws 30 by which the bracket is fastened to the supporting wall 31.

In assembling the parts the bracket 23 is first secured to the wall 31 by means of the screws 30, and through the front doorway of the base 12 the screw 20 is, by means of a screw-driver, retracted into the openings in the back 17 and bar 18 so as to leave the loop 21 clear, and thereupon the machine is applied to the bracket 23, the loop 21 being passed downwardly upon and snugly receiving the upper member 25 of the bracket, and the lower rear corner portions of the base resting upon the diverging claws 27 of said bracket. The screw 20 is then by means of a screw-driver screwed rearwardly into the hole 26 of the bracket 23 or to the position shown in Fig. 1, and thereupon the door 15 is returned to its position and locked, so that the head of the screw 20 may be concealed and not reached by an unauthorized person. The body portion 24 of the bracket 23 is offset rearwardly, as shown, to afford a shoulder 32 adapted to receive the lower edge of the loop 21 and aid in supporting the machine. The offset of the body portion of the bracket 23 becomes necessary at times as a means of preventing the goods-receptacle 11 from engaging the wall 31, but I prefer that the body-portion of the bracket be offset outwardly to as limited an extent as may be convenient, so as to leave as little space as possible between the back 17 of the base 12 and the body portion 24 of the bracket, this being for the purpose of making it difficult for anyone to reach the screws 30, which, as may be seen, are substantially concealed behind the back 17.

The claws or feet 27 materially aid in supporting the machine, and they may vary considerably in outline, but I illustrate two diverging claws or feet of a construction I have found to be highly efficient in use and to afford an adequate support in a bracket whose upper portion is not of undue width. The bracket 23 is of metal and of considerable strength, so that it may resist strains tending to tear it from the wall 31, as well as strains tending to tear the machine from the bracket.

It has been customary to secure small vending machines to their supports by means of exposed pad-locks and the like, but it has been found that these means are inadequate, the pad-lock being fully exposed. In accordance with my invention, the locking screw 20 is concealed and can only be reached when the door 15 is opened and then only by means of a screw-driver extended through the coin-chamber 14. The lock 16 on the door 15 will be of a type not capable of being easily manipulated, except with the use of a proper key.

What I claim as my invention and desire to secure by Letters Patent, is:

1. In combination, a coin-controlled vending machine having a base containing a chamber equipped at one side with a door and lock therefor and at its opposite side with an inner screw whose head is accessible only from within said chamber when the door is open and an outer loop secured to said side in line with said screw, said side having an opening behind the loop for the passage of said screw, and a supporting bracket having an apertured member to enter said loop and receive the outer end of said screw and a body-member to be fastened, behind said opposite side of the base, to a wall.

2. In combination, a coin-controlled vending-machine having a base containing a chamber equipped at one side with a door and lock therefor and at its opposite side with an inner screw whose head is accessible only from within said chamber when the door is open and an outer loop secured to said side in line with said screw, said side having an opening behind the loop for the passage of said screw, and a supporting bracket having an apertured member to enter said loop and receive the outer end of said screw, a body-member to be fastened, behind said opposite side of the base, to a wall and a lower member extending below and receiving the adjacent portion of said base.

3. In combination, a coin-controlled vending-machine having a base containing a chamber equipped at one side with a door and lock therefor and at its opposite side with an inner screw whose head is accessible only from within said chamber when the door is open and an outer loop secured to said side in line with said screw, said side having an opening behind the loop for the passage of said screw, and a supporting bracket having an apertured member to enter said loop and receive the outer end of said screw, a body-member to be fastened, behind said opposite side of the base, to a wall and a lower member extending below and receiving the adjacent portion of said base and having a shoulder to engage the vertical side of said lower portion of the base.

4. In combination, a coin-controlled vending machine having a base containing a chamber equipped at one side with a door and lock therefor and at its opposite side with an inner screw whose head is accessible only from within said chamber when the door is open and an outer loop secured to said side in line with said screw, said side having an opening behind the loop for the passage of said screw, and a supporting bracket having an apertured member to enter said loop and receive the outer end of said screw, a body-member to be fastened, behind said opposite side of the base, to a wall and a lower member extending below and receiving the adjacent portion of said base and composed of diverging feet having on their upper sides shoulders to engage the vertical side of said lower portion of the base.

5. In combination, a coin-controlled vending machine having a base containing a chamber equipped at one side with a door and lock therefor and at its opposite side with an inner screw whose head is accessible only from within said chamber when the door is open and an outer loop secured to said side in line with said screw, said side having an opening behind the loop for the passage of said screw, and a supporting bracket having an apertured member to enter said loop and receive the outer end of said screw and a body-member to be fastened, behind said opposite side of the base, to a wall, said bracket having a shoulder to receive the lower edge of said loop.

6. In combination, a coin-controlled vending-machine having a base containing a chamber equipped at its front side with a door and lock therefor and on its rear side with an inner bar having a threaded hole, a screw in said hole whose head is accessible only from within said chamber when the door is open and an outer loop riveted at its ends to said side and said inner bar and being in line with said screw, said side having an opening behind said loop for the passage of the screw, and a supporting bracket having an apertured member to enter said loop and receive the outer end of said screw and a body member to be fastened, behind said rear side of the base, to a wall.

7. In combination, a coin-controlled vending-machine having a base containing a chamber equipped at its front side with a door and lock therefor and on its rear side with an inner bar having a threaded hole, a screw in said hole whose head is accessible only from within said chamber when the door is open and an outer loop riveted at its ends to said side and said inner bar and being in line with said screw, said side having an opening behind said loop for the passage of the screw, and a supporting bracket having an apertured member to enter said loop and receive the outer end of said screw, a body-member to be fastened, behind the rear side of the base, to a wall and a lower shouldered member to receive the lower angular rear edge portion of said base.

8. In combination, a coin-controlled vending-machine having a base containing a chamber equipped at its front side with a door and lock therefor and on its rear side with an inner bar having a threaded hole, a screw in said hole whose head is accessible only from within said chamber when the door is open and an outer loop riveted at its ends to said side and said inner bar and being in line with said screw, said side having an opening behind said loop for the passage of the screw, and a supporting bracket having an apertured member to enter said loop and receive the outer end of said screw, a body-member to be fastened, behind the rear side of the base, to a wall and a lower shouldered member to receive the lower angular rear edge portion of said base, said body-member being offset outwardly and affording a shoulder to receive the lower edge of said loop.

Signed at New York city, in the county of New York and State of New York, this 16th day of June, A. D. 1916.

HARVEY GILES.

Witnesses:
ARTHUR MARION,
CHAS. C. GILL.

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