

W. A. COVENTRY.  
TOY BANK.  
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1,274,010.

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Fig. 1.

Fig. 2.

Fig. 3.

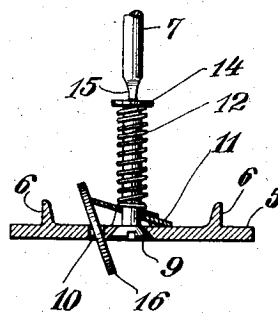
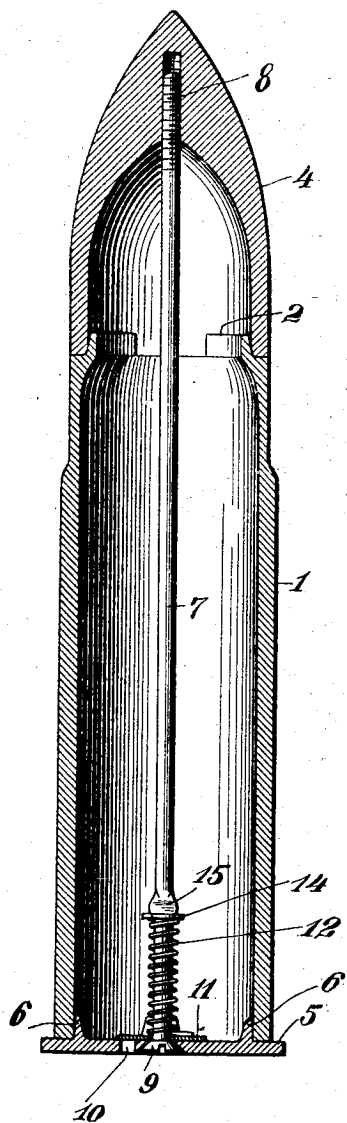
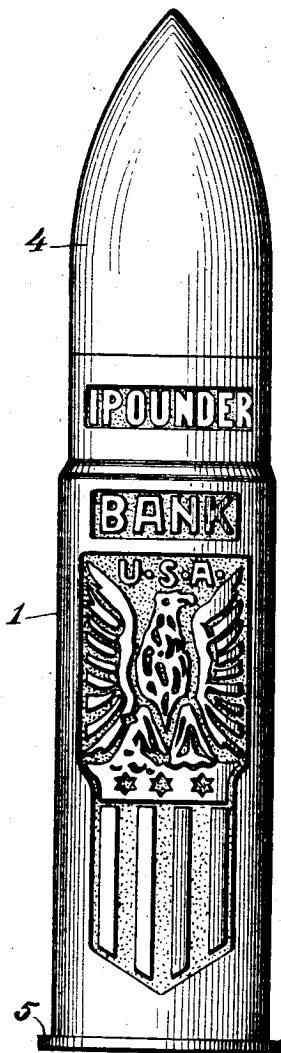
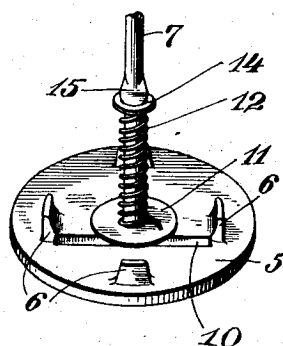


Fig. 4.



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# UNITED STATES PATENT OFFICE.

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TOY BANK.

1,274,010.

Specification of Letters Patent.

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*To all whom it may concern:*

Be it known that I, WILLIAM A. COVENTRY, a citizen of the United States, residing at Lancaster, in the county of Lancaster, State of Pennsylvania, have invented certain new and useful Improvements in Toy Banks, of which the following is a specification.

This invention relates broadly to toys and more especially to toy banks.

The principal object of the present invention is to provide a toy bank comprising several parts with a fastener for securing the parts together and with a coin shield mounted for movement upon the fastener, whereby the fastener and coin shield mechanism comprises a unitary member when the bank is disassembled.

Another and further object of the present invention is a bank of the character described wherein the connecting member may comprise a screw-threaded rod carrying a spring-pressed disk which partly covers a coin slot provided in the part which carries the connecting member.

Still further and more specifically, the present invention includes a toy bank of the character specified, which comprises, when assembled, the replica of a loaded shell and wherein the connecting member extends longitudinally of the shell with the axis of the connecting member substantially coincident with the axis of the shell, in such manner that the head of the connecting member is seated in the base of the shell and the screw-threaded portion of the connecting member engages with the projectile portion of the shell, so that tension on the connecting member tightly clamps the parts together.

A still further object of the present invention is a bank of the character described in the foregoing paragraph and wherein the connecting member adjacent the base of the shell is flattened to provide an abutment against which rests a small washer to constitute the support for a light coiled spring that normally maintains a coin shield washer pressed against the base of the shell to partly close the coin slot therein.

Other and further objects of the present invention will in part be obvious and will in part be pointed out hereinafter in the specification following by reference to the

accompanying drawings, throughout which the same characters are used to designate the same parts in the several figures thereof.

Figure 1 is an elevational view of the bank as assembled.

Fig. 2 is an elevational sectional view on substantially the mid-plane of the bank.

Fig. 3 is a detailed view showing the coin shield acting as a ratchet or catch to prevent retraction of a coin once inserted through the coin slot.

Fig. 4 is a detailed view illustrating in perspective the relation of the coin slot protector relative to the coin slot and base of the shell.

Heretofore in the art of toys, including toy banks, it has been customary to utilize screw-threaded bolts or members for fastening the parts together. In the banks heretofore constructed as replicas of loaded shells it has been the custom to provide the body portion and the projectile as a single piece of material and to secure the base or flange of the shell to the body portion by means of a plurality of short screw bolts. Such construction is disadvantageous for the reason that the body portion and flange of the shell are usually finished in imitation of brass where the projectile is usually nickel-plated in imitation of polished steel. The double plating of the single member introduces complications in manufacture which increase expense and which produce an unsatisfactory finished article unless extreme care is exercised in the plating and finishing operations. It is also customary in the art of toy banks to provide coin slot shields so constructed that it is difficult to extract the coins from the bank by shaking or turning the bank to attempt to cause the coins to drop through the coin slot. Toy banks are usually low-priced merchandise, and the margin of profit depends very largely on the adaptability of the bank to manufacturing facilities, and elaborate coin slot protectors are prohibitive because of cost.

The present invention overcomes the difficulties of the known prior art by providing a toy bank comprising the replica of a shell and wherein the projectile, the body portion of the shell, and the base or flange of the shell, are all separate and distinct

parts, each of which may be separately plated or finished and then assembled to comprise the article of manufacture. The assembling is accomplished by means of a

5 connecting member comprising a screw-threaded rod extending from the base or flange of the shell upwardly through the body portion and engaging the projectile so that the axis of the connecting member is

10 substantially coincident with the axis of the bank. The several parts are provided with interlocking lugs so that the parts are automatically adjusted in proper position when placed together for assembly. This construction is exceeding simple, very strong,

15 and produces a well-finished, durable bank. The coin slot is provided in the base or flange of the shell adjacent the head of the connecting member so that the coin slot protector may comprise a spring-pressed washer

20 carried by the connecting member, which also carries the spring for maintaining the coin-slot-protector washer in operative position.

25 Referring now more particularly to the drawings, the bank comprises a body portion 1 which corresponds to the body portion of the shell and which may comprise a cast cylindrical member which is provided,

30 on its upper end, with lugs 2 that are adapted to guide and seat the hollow projectile 4 in proper position over the body portion. The flange 5 comprises a flat plate being provided with outstanding lugs 6, preferably four in number, and adapted to engage

35 the interior of the body portion 1 to accurately position the flange over the end of the body portion. The connecting member 7 comprises a screw bolt being threaded as at 8 and provided with a kerfed head 9

40 which is adapted to be seated in a suitable opening in the center of the flange plate 5. The flange plate 5 is also provided with a coin slot 10 which is adjacent the head 9 on the connecting member 7. A relatively

45 large washer 11, a coiled spring 12, and a smaller washer 14 are threaded, in the order mentioned, over the connecting member 7 and, with the coiled spring 12 slightly compressed, the connecting member is flattened

50 as at 15 in order to provide an abutment to prevent longitudinal movement of the washer 14 and consequently to maintain the coiled spring 12 under compression, whereby the larger washer 11 is compressed

55 against the flange plate 5 to yieldingly cover a portion of the coin slot 10, whereby the washer 11 becomes a coin slot protector. In operation of inserting a coin into the bank

60 (Fig. 3) it will be noted that the coin 16 lifts the coin slot protector 11 in such manner that the coin may be pushed inwardly through the coin slot. It will be noted, however, that the inclination of the coin protector 11 is such that an attempt to withdraw

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a coin once inserted past the coin protector wedges the coin between the side walls of the slot and the coin protector so that the withdrawal of the coin once started is prevented. This feature is desirable since toy

70 banks are usually the property of children and preferably should be so constructed that where the act of inserting a coin is begun the mechanism will prevent the retraction of the coin after it is started into the

75 bank.

Realizing that the present invention may be carried out in structures differing slightly from the specific disclosure herewith, I desire that it be understood that this specific

80 disclosure is illustrative and not to be taken in the limiting sense.

Having thus described my invention what I claim is:

1. A device of the character described

85 comprising a body portion, a cover member for one end of said body portion, a base plate covering the other end of said body portion, a screw bolt passing through said

90 base plate and threaded into said cover member to maintain the parts in assembled relation, said base plate being provided with a coin slot, in combination with a yielding cover for a portion of said coin slot and comprising a coin slot protector.

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2. In a toy bank of the character described, a plurality of members adapted to be interlocked to form the casing of the bank, a screw bolt operatively connecting the terminal members whereby tension on

100 the screw bolt places the members of said housing under compression to maintain the parts in assembled relation, one of said members connected with said screw bolt being provided with a coin slot, in combination

105 with a coin slot protector comprising a washer carried by said screw bolt and partially covering said coin slot, and spring means permitting said washer to yield and normally maintaining said washer in position to cover a portion of the said coin slot.

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3. In a toy bank of the character described, a plurality of members adapted to be interlocked to form the housing of the bank, a screw bolt connector operatively connected with the terminal housing members

115 so that tension on said screw bolt produces compression on said housing members to maintain the parts in assembled relation, the housing member adjacent one end of said

120 screw bolt being provided with a coin slot, a washer slidably mounted on said screw bolt and covering a portion of said coin slot, a coiled spring around a portion of said screw bolt and normally holding said

125 washer pressed against the housing member to cover a portion of said coin slot, a second washer mounted on said screw bolt, and means carried by said screw bolt to prevent a longitudinal movement of said second

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washer on said screw bolt whereby said spring is normally maintained under compression.

4. In a toy bank of the character described, a plurality of interlocking members adapted to form the housing for the said bank, a screw bolt connector for securing the members together, one of said members adjacent one end of said screw bolt being provided with a coin slot, in combination with a coin slot protector comprising a washer threaded on said screw bolt and normally covering a portion of said coin slot, a coiled spring also threaded on said screw bolt, a second washer comprising an abutment for said coiled spring, and a flat end portion on said screw bolt to prevent longitudinal movement of said second washer on said screw bolt whereby said coiled spring normally is maintained under compression, the opening in the first-mentioned washer being of such size as to permit said washer to be inclined when a coin is inserted through the coin slot and to act as a ratchet preventing the retraction of the coin once inserted past said washer.

5. In a toy bank of the character specified a plurality of members adapted to be joined together to form the housing of the bank, a connector device for securing these members together, one of the members adjacent one end of the connector being provided with a coin slot, in combination with a coin slot protector comprising a washer slidable on the connector and normally covering a portion of the coin slot, a coiled spring carried by said connector and normally in engagement with said washer, an abutment on said connector for normally maintaining said coiled spring under compression whereby said washer is normally pressed over said coin slot, the opening in the washer being of such size as to permit the washer to be inclined when a coin is inserted through the coin slot in order that the edge of the washer may engage the side of the coin and prevent retraction of the coin once inserted past the washer.

6. A coin slot protector for toy banks and the like comprising a bank having a coin slot in one wall thereof, a guiding member secured to the side wall adjacent the said coin slot and extending from the inner side of said side wall, a washer slidable upon the said member and with a portion of said washer normally covering a portion of the coin slot, a coiled spring carried by said guiding member and normally in engagement with said washer, and an abutment on said guiding member for normally maintaining said coiled spring under compression whereby said washer is normally pressed over the said coin slot, the opening in the washer being of such size as to permit the washer to be inclined when a coin is inserted through the coin slot in order that the edge of the washer may engage the side of the coin at an acute angle and prevent retraction of the coin once inserted past the washer.

7. A toy bank of the character specified comprising a cylindrical body portion in the form of the body of a shell, a cover for one end of said body portion and being substantially in the form of a projectile, a base plate adapted to be seated on the other end of the body portion, said base plate being provided with wedge-shaped lugs constructed to extend within said body portion to seat said base plate over said body portion whereby said base plate corresponds to the flange of the shell, in combination with a screw bolt carried by said base plate and being adapted to be screw-threaded into the cover member in the form of a projectile, said base plate being provided with a coin slot adjacent the slot of the screw bolt, and a coin slot protector comprising a washer on said screw bolt and normally covering a portion of said coin slot, a coiled spring, and an abutment on said screw bolt whereby said coin slot protector normally maintains the said screw bolt at substantially right angles to the said base plate to facilitate assembly of the parts.

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