Jan. 19, 1926. 1,570,018

D. T. WADDELL

CONTAINER

Filed June 28, 1924 2 Sheets-Sheet 1

Fig. 1.

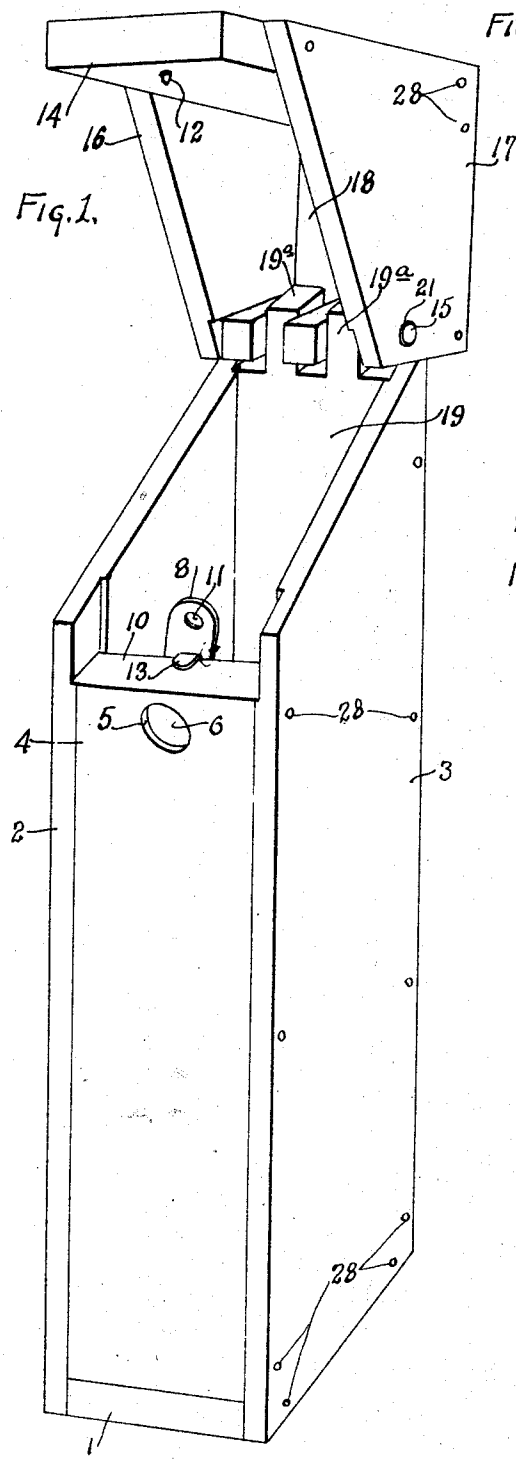
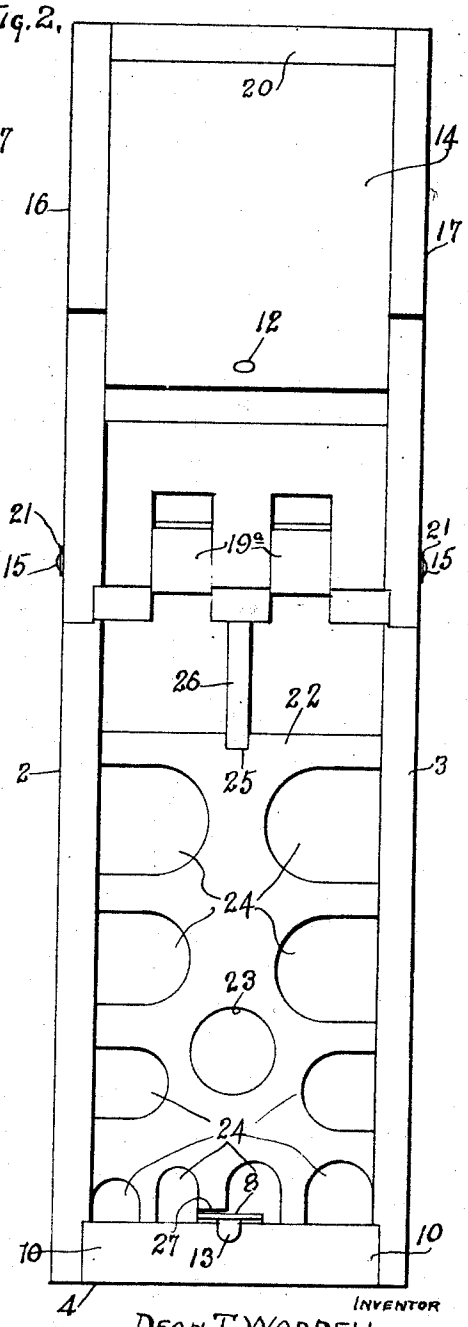


Fig. 2.



INVENTOR

DEAN T. WADDELL,

By Coulmin & Coulmin,

ATTORNEYS

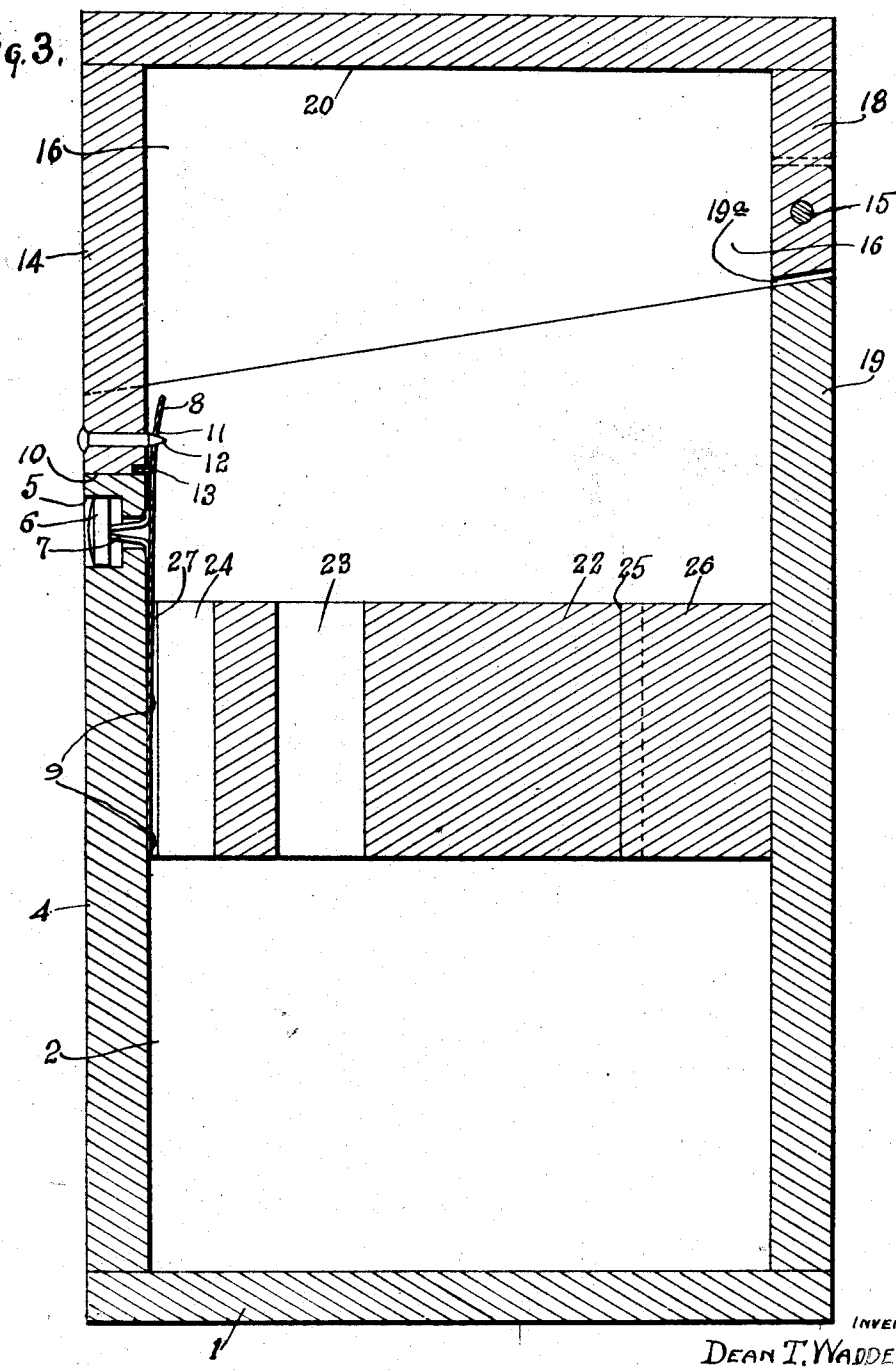
Jan. 19, 1926. 1,570,018

D. T. WADDELL

CONTAINER

Filed June 28, 1924 2 Sheets-Sheet 2

Fig. 3.



INVENTOR
DEAN T. WADDELL,
By Dauelmin & Dauelmin
ATTORNEYS.

Patented Jan. 19, 1926. 1,570,018

UNITED STATES PATENT OFFICE.

DEAN T. WADDELL, OF GREENFIELD, OHIO, ASSIGNOR TO THE IRWIN AUGER COMPANY, OF WILMINGTON, OHIO, A CORPORATION OF OHIO.

CONTAINER.

Application filed June 28, 1924. Serial No. 723,001.

To all whom it may concern:

Be it known that I, DEAN T. WADDELL, a citizen of the United States, residing at Greenfield, in the county of Highland and State of Ohio, have invented certain new and useful Improvements in Containers, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to containers, and in particular to containers for sets of auger bits.

The object of my invention is to provide a container or case for a set of auger bits which are to be used for related purposes. It is my object to provide such a container which, when open, will fully display the various types of bits contained in it, each bit in a separate compartment where it will not come in contact with any other bit and become injured or damaged.

It is a further object to provide a construction which may be readily and cheaply made, but which will be very rigid and strong. It is my object to provide varying sizes of compartments, the walls of which, in combination with the walls of the receptacle, will furnish an interlocking structure of minimum weight with the maximum strength.

It is a further object to provide a cover which may be readily opened so as to permit the ready introduction or extraction of bits into or from their respective compartments. It is my object to provide a supporting member for the top which will maintain it in proper position rigidly when either open or closed.

It is a further object to provide a top which, when closed, will not only be locked to the body of the box, or receptacle, but also interlocked to prevent lateral shifting or the tearing off of the top of the box during transportation or rough handling by any side blow applied to the top or body. It is a further object to provide a box that is substantially moisture-proof and dust-proof when closed.

It is also an object to provide a novel lock or catch for fastening the top and body of the box to one another.

Referring to the drawings:

Figure 1 is a perspective, with the top partially open, of a box for a small kit of bits.

Figure 2 is a plan view of the box with the top open.

Figure 3 is a vertical section.

Referring to the drawings in detail:

1 is the bottom of the box, while 2 and 3 designate the side walls of the box. The front wall of the box is composed of the body portion 4 provided with the aperture 5 for the actuating head and pin, respectively designated 6 and 7. On the inner wall of the front 4 is provided the locking clip 8 which is fastened by the screws, nails or tacks 9 to the inside of the front wall 4, with its free end projecting above the top 10 of the front wall of the box. This free end is provided with an eye 11 into which there is introduced the locking pin 12 when the top is locked to the body of the box. The movements inwardly and outwardly of 8 are carried by the guiding tongue 13 which is arranged in engagement with the top 10 of the front wall 4. The side walls of the box are projected above the top of 4 so that the front wall 14 of the top, which carries the pin 12, when closed projects into a space formed by the top of the front wall 4 and the top of the side walls 2 and 3. This prevents any lateral blow on the front of the top from dislodging it from the body of the box. To this end I have also provided means for hinging the top to the body of the box consisting of pins 15 passing through the side walls 16 and 17 of the top, thence into the back wall 18 of the top having spaces formed therein in which project portions 19^a extending from the rear wall 19 of the box, such pins also passing through these portions 19^a. This not only insures accurate carrying of the top into engagement with the body of the box and prevents any twisting of the top or damage to the hinges when the box top is open or closed, but also insures that when the box top is closed, the pin 12 will be accurately carried into engagement with the eye 11 in the locking clip 8. This positive alignment of the parts is a feature of my boxes, which gives them accurate operation and long life. The groups of bits in these boxes are placed in the hands of farmers, artisans and similar workmen, and are subjected to rough usage. It is further essential that the greatest strength be secured consistent with the requisite lightness of the parts of the box so that the weight of handling and shifting

will not be excessive. and the boxes will not be cumbersome.

A top board 20 is provided which is located between the side walls 16 and 17. In order to prevent the hinge pins 15 from burrowing into the wood, I have provided a washer 21.

To form the compartments, I provide a member 22 consisting of a block of wood of a width equal to the distance between the interior of the side walls 2 and 3 and of a length less than the distance between the interior of the front wall 4 and rear wall 19. This block is made relatively thin so as to make the box as light as practical in order to secure a box of the desired strength. In the present instance I have formed in this member 22 a round hole 23 in the forward half and several sizes of openings 24 distributed throughout the block around the front and sides of the same. These openings form pockets to receive particular sizes of bits or tools. In the rear of the block 22 is a groove 25 adapted to receive a brace member 26. A portion of the front of the block 22 is cut away at 27 to accommodate the lower end of the locking clip 8. The block 22 is held in position in the box proper by gluing or otherwise securing the portions of the front and sides which come in contact with the walls of the box. The brace member 26 at the rear of the block is also suitably secured to the back wall of the box. In addition to the compartments formed by the clock and the walls of the box, two additional compartments are formed by the brace or wedge member. This manner of providing compartments for the various sizes of auger bits going to make up a set serves to strengthen the box as a whole as well as provide strong and durable compartments.

Attention should also be directed to the fact that the tops of the side walls 2 and 3 and the bottoms of the side walls 16 and 17 of the top are cut at an angle to the horizontal, thus providing further rigidity of the top and eliminating strain upon the hinges in case a blow is delivered to the front wall 14, or the forward edges of the side walls 16 and 17 of the top.

The several parts of the box may be attached together in any desired fashion, but I prefer the use of adhesive and small brads 28 which are suitably countersunk to form a neat appearance and a smooth surface for the box.

It will be understood that I desire to comprehend within the scope of my invention the suitable and necessary modifications of it which may occur to one skilled in the art in adapting my invention to varying uses.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

In a new article of manufacture consisting of a receptacle for bits, a bottom, side walls, a front wall and a rear wall, the front wall being shorter than the height of the side walls, and portions of the rear wall extending above the height of the side walls, a top pivotally mounted on said extended portions of the rear wall, portions of the back wall of the top interlocking with the portions on the rear wall of the box and the front of the top extended into a space formed between the side walls of the box, the side walls of the top and body of the receptacle being cut on an angle to the horizontal.

In testimony whereof, I affix my signature.

DEAN T. WADDELL.

Certificate of Correction.

It is hereby certified that the assignee in Letters Patent No. 1,570,018, granted January 19, 1926, upon the application of Dean T. Waddell, of Greenfield, Ohio, for an improvement in "Containers," was erroneously described and specified as "The Irwin Auger Company," whereas said assignee should have been described and specified as *The Irwin Auger Bit Company*, as shown by the record of assignments in this office; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 23d day of February, A. D. 1926.

[SEAL.]

WM. A. KINNAN,
Acting Commissioner of Patents.