W. BALLARD.

BAG HOLDER.

APPLICATION FILED SEPT. 23, 1909. RENEWED MAY 26, 1910.

965,360. Patented July 26, 1910.

Fig. 3.

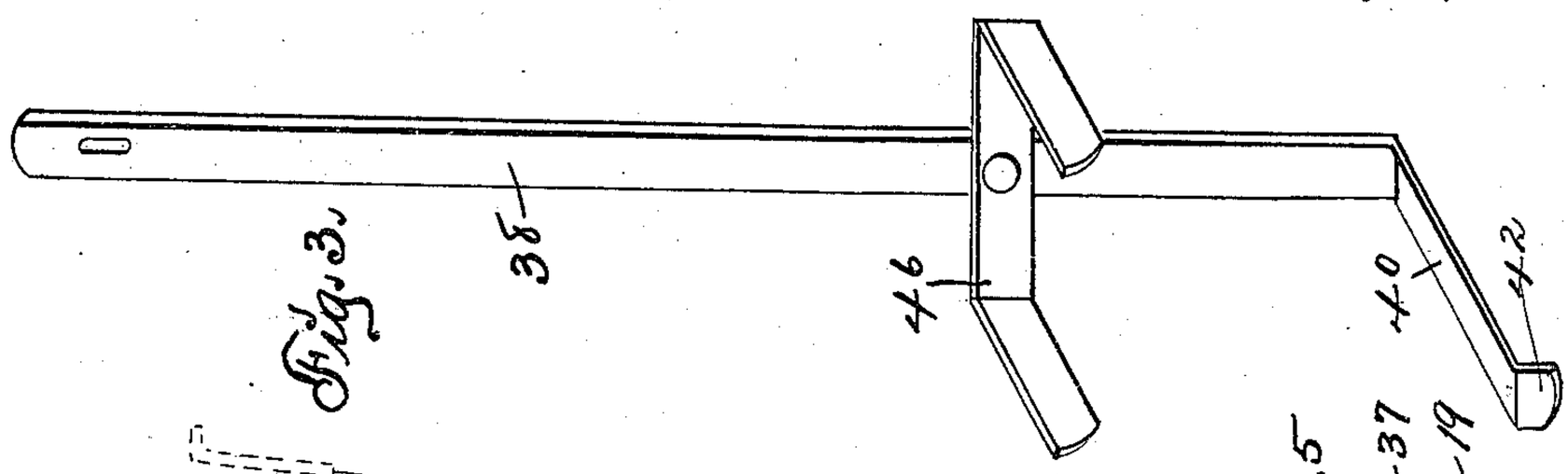

Fig. 2.

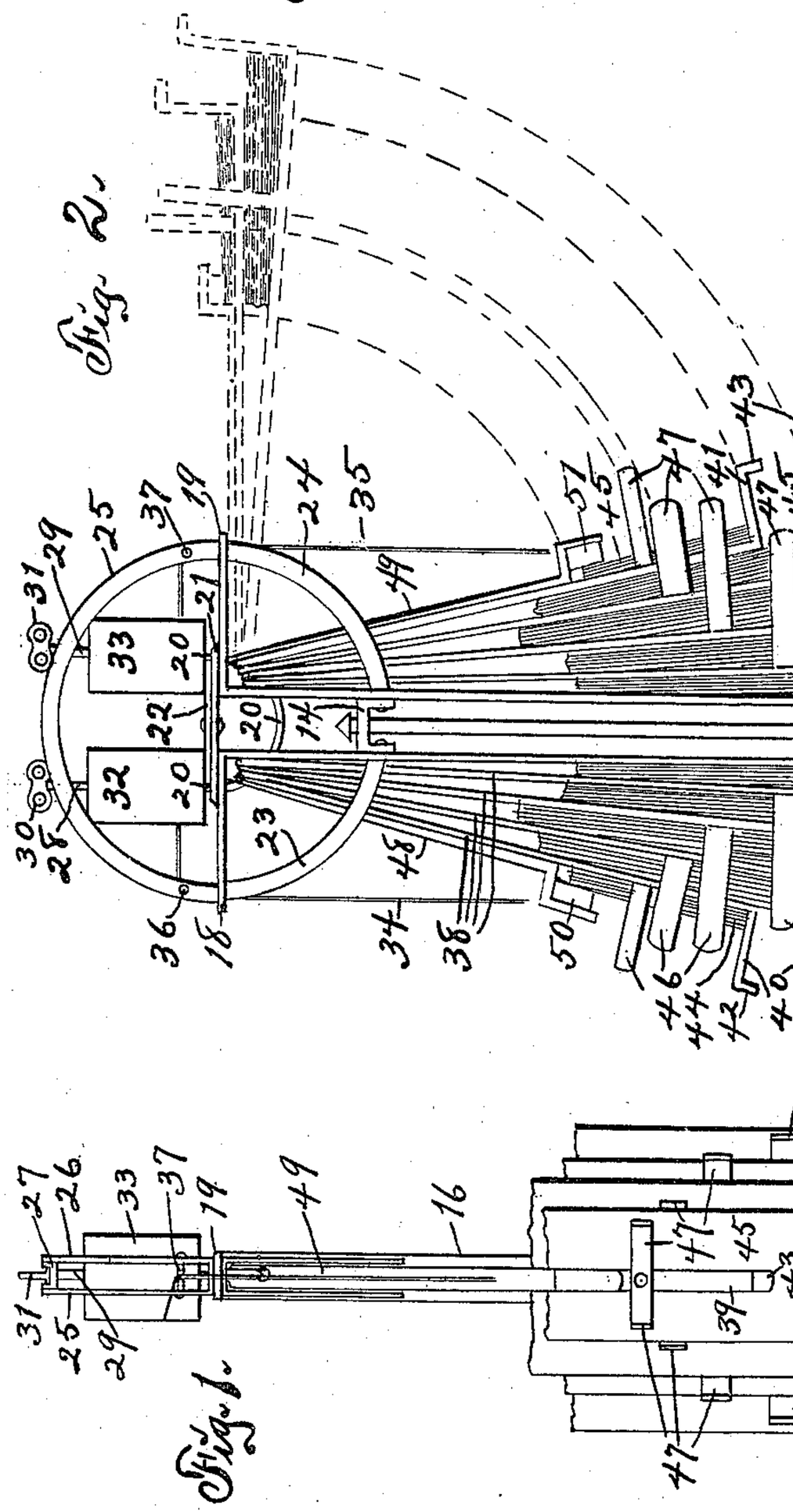

Fig. 4.

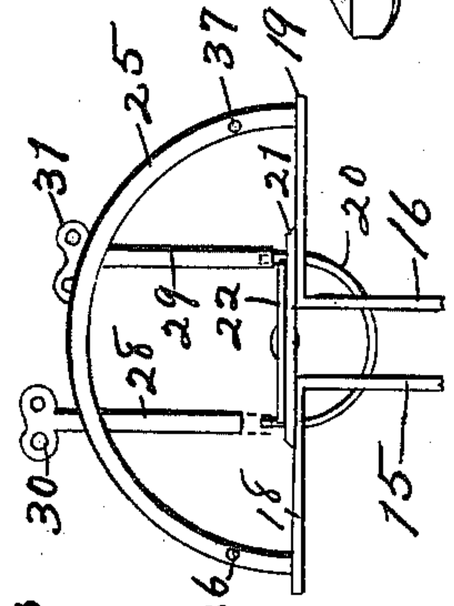

Fig. 1.

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WILLIAM BALLARD, OF PERRY, IOWA.

BAG-HOLDER.

965,360. Specification of Letters Patent. Patented July 26, 1910.

Application filed September 23, 1909, Serial No. 519,648. Renewed May 26, 1910. Serial No. 563,624.

To all whom it may concern:

Be it known that I, WILLIAM BALLARD, a citizen of the United States, residing at Perry, in the county of Dallas and State of Iowa, have invented a new and useful Bag-Holder, of which the following is a specification.

The object of this invention is to provide improved means for holding assorted sizes of bags prior to the use thereof in packaging commodities.

A further object of this invention is to combine a twine holder with a bag holder.

My invention consists in the construction, arrangement and combination of elements hereinafter set forth, pointed out in my claims and illustrated by the accompanying drawing, in which—

Figure 1 is an elevation of the complete device. Fig. 2 is an elevation of the device at right angles to Fig. 1. Fig. 3 is a detail perspective of one of the holders detached from the frame. Fig. 4 is a side elevation of a part of the device.

In the construction of the device as shown the numeral 10 designates a base of dome shape and formed with a weighted rim 11. A pivot 12 is mounted in and rises from the apex of the base 10. An angle plate 13 is loosely mounted on the lower portion of the pivot 12 and an angle plate 14 is mounted loosely in inverted position on the upper portion of said pivot. Frame bars 15, 16 are mounted in vertical positions on opposite sides of and are fixed to the flanges of the angle plates 13, 14. Arms 17, 17ª are formed on and extend in opposite directions from the lower end portions of the frame bars 15, 16 and are turned downwardly at their outer ends. Arms 18, 19 are formed on and extend laterally from upper end portions of the frame bars 15, 16. A semi-circular hanger 20 is mounted loosely in apertures formed in the upper portions of the frame bars 15, 16 and the arms 18, 19 and said hanger is movable longitudinally in a circular path through said apertures. The end portions of the hanger 20 normally extend through apertures in end portions of a connecting bar 21 fixed to the arms 18, 19 and a latch 22 is pivoted at its center to the central portion of said connecting bar and engages at its end in notches (Fig. 4) in end portions of said hanger. It is the function of the latch 22 to retain the hanger 20 in its normal position with its end portions projecting upward through the end portions of the connecting bar. Braces 23, 24, of arc shape, are arranged in pairs on and connect the frame bars 15, 16 adjacent the angle plate 14 to outer end portions of the arms 18, 19. The braces 23, 24 are spaced apart and arranged parallel in the pairs. Arches, or arc-shaped members 25, 26, of semi-circular shape, are arranged parallel with each other and are fixed at their ends to end portions of and arch above the arms 18, 19. A bearing block 27 is mounted between and fixed to the apices of the arches 25, 26. Tubular stems 28, 29 are mounted loosely through apertures in end portions of the block 27 and are adapted to engage at their lower ends over and inclose end portions of the hanger 20. Heads 30, 31 are fixed to the upper ends of the tubular stems 28, 29 and are adapted for manual operation to move said stems as desired. The heads 30, 31 are adapted for positioning between the arches 25, 26 to limit and determine rotary movement of the stems on the upper end portions of the hanger 20. Cylindrical balls of twine 32, 33 may be mounted loosely on the stems 28, 29 and end portions 34, 35 of said twine extend between the trusses 25, 26 and over pins 36, 37 carried by said trusses and depend therefrom within reach of the user.

A plurality of arms 38, of various lengths, are mounted on the hanger 20 outside of the frame bar 15 and beneath the arm 18. A plurality of arms 39, of various lengths, are mounted on the hanger 20 outside of the frame bar 16 and beneath the arm 19. The arms 38, 39 are connected to the hanger by engagement of said hanger through apertures in the upper ends of said arms and are placed in position or removed therefrom by such longitudinal movement of said hanger as will bring one or the other end thereof beneath an arm 18 or 19 so that the arms 38 or 39 may be hooked over or removed from the hanger. The arms 38 and 39 extend within the pairs of braces 23, 24 respectively and may be moved through arcs within said braces as indicated by dotted lines in Fig. 2. Each of the arms 38, 39 is formed with an outwardly extending base member 40 or 41 turned downward at its outer end to form a lip 42 or 43. The base members 40, 41 serve to engage the central portion of the bottom and support a quantity of sacks 44 or 45. The arms 17 or 17ª also have the same function. The lips 42,

43 serve as hand holds whereby the arms 38, 39 and the sacks thereon may be moved through arcs as indicated by dotted lines in Fig. 2. Transverse yokes 46, 47 are fixed to the frame bars 15, 16 and arms 38, 39 respectively and are of assorted widths corresponding to and adapted to receive the assemblages of bags 44, 45. The base members 40, 41 vary in length in the same ratio as the yokes 46, 47 vary in width and the arms 38, 39 vary in length to correspond with the different sizes of bags mounted therein, it being understood that the larger sizes of bags are carried by the arms 17, 17ª and that the bags graduate to smaller sizes in the outermost arms. Retaining arms 48, 49 also are pivoted at their upper ends on the hanger 20 and lie against and in contact with the outermost assemblages of bags in the outermost and uppermost arms 38, 39. Weights 50, 51 are mounted in angular lower end portions of the retaining arms 48, 49 and acting through said arms apply pressure to the series of assemblages of bags. The entire quantity of bags of assorted sizes carried on the frame bars and arms is rotatable relative to the base 10 on the standard, post or shaft 12 and the weighted rim 11 of said base prevents accidental tipping of the complete device. The balls of twine and their depending ends also may be moved rotatably relative to the post or standard 12, since they are carried by the frame bars. Indices corresponding with the numbers or sizes of the bags are formed on or affixed to the outer faces of the end portions of the yokes 46, 47.

Any bag desired may be withdrawn from the outer face of a bunch or collection thereof by manual force applied to the lower end of the bag and directed to move the same outwardly along an arm 17, 17ª or base member 40, 41, the bags and arms above and outside of the bag removed yielding to such manual force sufficiently that such withdrawal may be effective.

A lining of felt or similar material may be secured to the bottom of the base 10 to prevent injuring the surface of a table or counter by said base.

I claim as my invention—

1. The combination of a base, a post thereon, spaced angle plates pivoted on said post, frame bars connecting said angle plates and formed with arms extending from their opposite ends, a hanger carried by said frame bars, superposed arms mounted on said hanger on opposite sides of said frame bars, and retaining arms mounted on said hanger on opposite sides of the first arms.

2. The combination of a base, a post thereon, spaced angle plates pivoted on said post, frame bars connecting said angle plates and formed with arms extending from their opposite ends, an arc-shaped hanger carried by said frame bars and adjustable circumferentially therein, superposed arms pivotally mounted on said hanger on opposite sides of said frame bars, and retaining arms mounted on said hanger on opposite sides of the first arms.

3. In a bag holder, a base, a post rising therefrom, spaced angle plates pivoted on said post, frame bars fixed to and connecting said angle plates, said frame bars formed with lower and upper outwardly extending arms, a plate connecting the upper arms of the frame bars above the uppermost angle plate, an arc-shaped hanger mounted in apertures of the frame bars, upper arms and connecting plate and adjustable circumferentially therein, a latch on the connecting plate adapted to engage said hanger, superposed arms pivoted to said hanger and depending on opposite sides of said frame bars, and weighted arms pivoted to said hanger and depending outside of the superposed arms.

4. In a bag holder, a pivoted frame, a semi-circular hanger mounted for longitudinal movement in said frame, a latch engaging said hanger, arms hinged to said hanger, and braces on said frame on opposite sides of said arms.

5. In a bag holder, a base, a post rising therefrom, spaced angle plates pivoted on said post, frame bars fixed to and connecting said angle plates, said frame bars formed with lower and upper outwardly extending arms, a plate connecting the upper arms of the frame bars above the uppermost angle plate, an arc-shaped hanger mounted in apertures of the frame bars, upper arms and connecting plate and adjustable circumferentially therein, a latch on the connecting plate adapted to engage said hanger, spaced arc-shaped braces connecting the frame bars to the extremities of the upper arms thereof, superposed arms pivoted to said hanger and depending on opposite sides of said frame bars between said spaced braces, and weighted arms pivoted to said hanger and depending outside of the superposed arms.

6. In a bag holder, a base, a post rising therefrom, spaced angle plates pivoted on said post, frame bars fixed to and connecting said angle plates, said frame bars formed with lower and upper outwardly extending arms, a plate connecting the upper arms of the frame bars above the uppermost angle plate, an arc-shaped hanger mounted in apertures of the frame bars, upper arms and connecting plate and adjustable circumferentially therein, a latch on the connecting plate adapted to engage said hanger, spaced arc-shaped braces connecting the frame bars to the extremities of the upper arms thereof, superposed arms pivoted to said hanger and depending on opposite sides of said frame bars between said spaced braces, weighted arms pivoted to said hanger and depending

outside of the superposed arms, spaced arches fixed to and rising from and connecting extremities of the upper arms of the frame bars, a block between the apices of the spaced arches, said block formed with vertical apertures, and tubular stems mounted loosely through said apertures and engaging the upper ends of said hanger.

7. In a bag holder, a base, a post rising therefrom, spaced angle plates pivoted on said post, frame bars fixed to and connecting said angle plates, said frame bars formed with lower and upper outwardly extending arms, a plate connecting the upper arms of the frame bars above the uppermost angle plate, an arc-shaped hanger mounted in apertures of the frame bars, upper arms and connecting plate and adjustable circumferentially therein, a latch on the connecting plate adapted to engage said hanger, spaced arc-shaped braces connecting the frame bars to the extremities of the upper arms thereof, superposed arms pivoted to said hanger and depending on opposite sides of said frame bars between said spaced braces, weighted arms pivoted to said hanger and depending outside of the superposed arms, spaced arches fixed to and rising from and connecting extremities of the upper arms of the frame bars, a block between the apices of the spaced arches, said block formed with vertical apertures, and tubular stems mounted loosely through said apertures and engaging the upper ends of said hanger, said tubular stems formed with heads on their upper ends engaging between the spaced arches at times.

8. In a bag holder, a base, a post rising therefrom, spaced angle plates pivoted on said post, frame bars fixed to and connecting said angle plates, said frame bars formed with lower and upper outwardly extending arms, a plate connecting the upper arms of the frame bars above the uppermost angle plate, an arc-shaped hanger mounted in apertures of the frame bars, upper arms and connecting plate and adjustable circumferentially therein, a latch on the connecting plate adapted to engage said hanger, spaced arc-shaped braces connecting the frame bars to the extremities of the upper arms thereof, superposed arms pivoted to said hanger and depending on opposite sides of said frame bars between said spaced braces, weighted arms pivoted to said hanger and depending outside of the superposed arms, spaced arches fixed to and rising from and connecting extremities of the upper arms of the frame bars, a block between the apices of the spaced arches, said block formed with vertical apertures, tubular stems mounted loosely through said apertures and engaging the upper ends of said hanger, said tubular stems formed with heads on their upper ends engaging between the spaced arches at times, and pins extending through and bridging the spaces between said spaced arches at points above the upper arms of the frame bars.

WILLIAM BALLARD.

Witnesses:
ALFRED LOGSDON,
SAMUEL M. KENYON.