

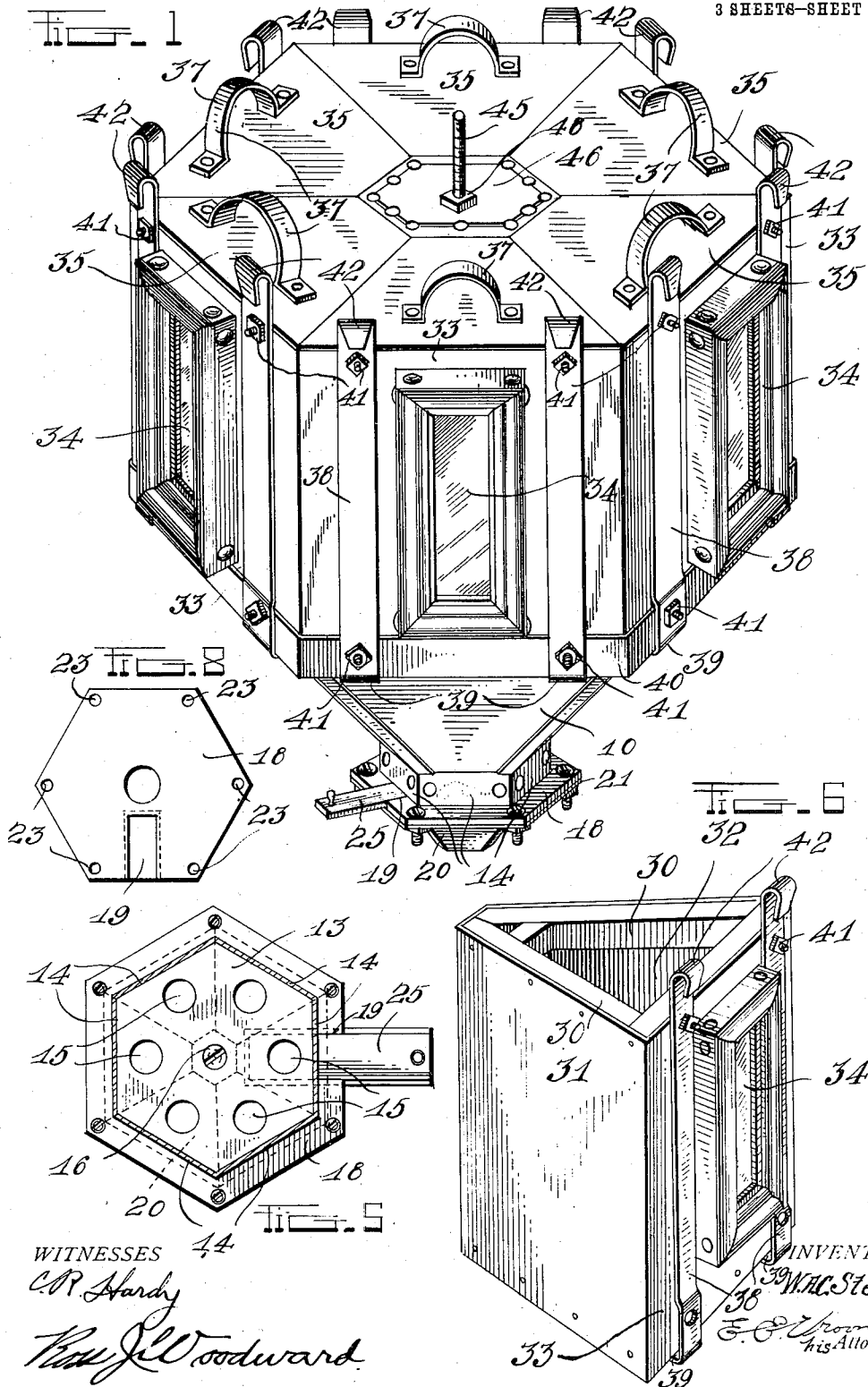
W. A. C. STEPHEN.
CABINET.

APPLICATION FILED JUNE 22, 1912.

1,059,781.

Patented Apr. 22, 1913.

3 SHEETS-SHEET 1.



WITNESSES

C. P. Hardy

Wm J Woodward

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CABINET.

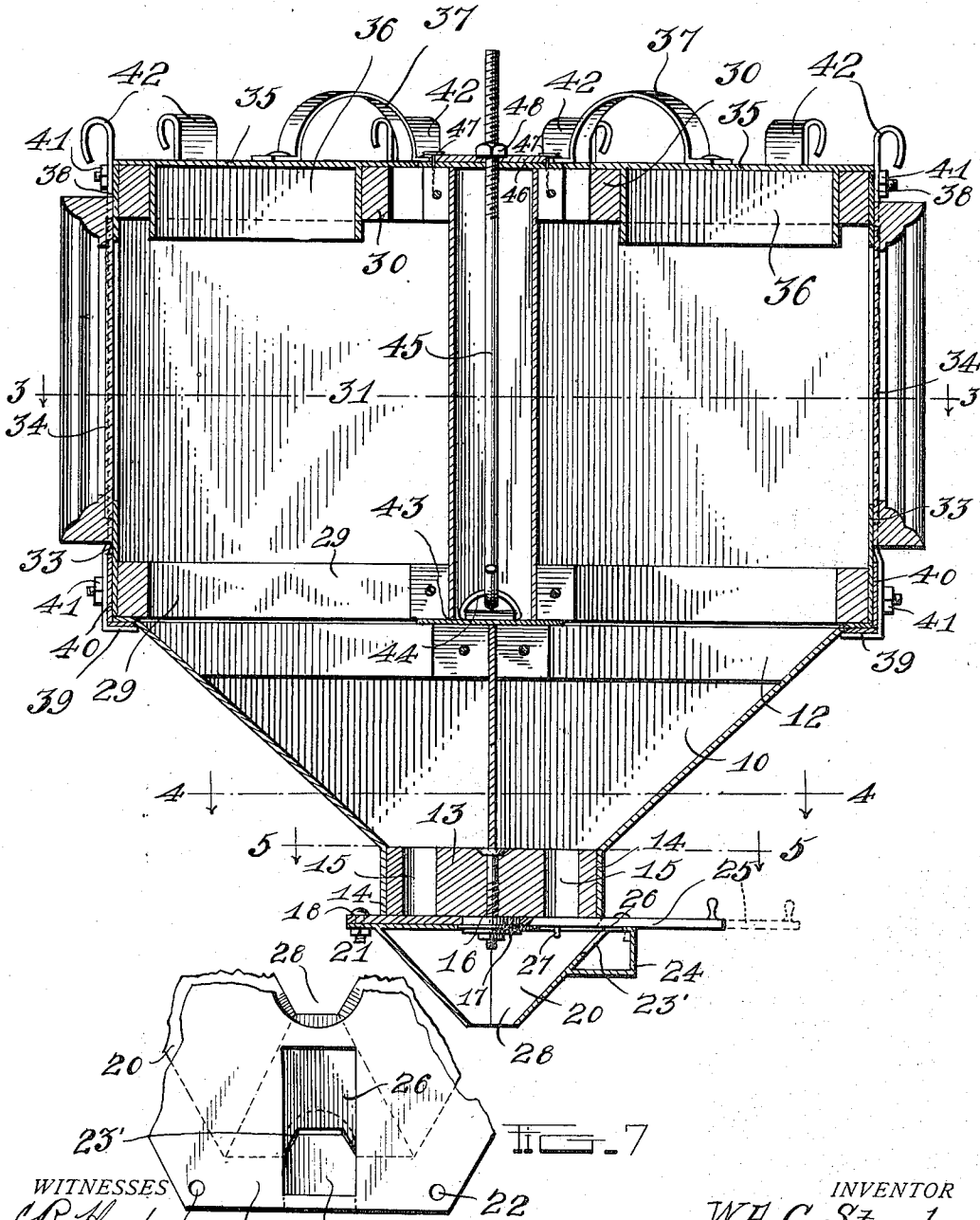
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3 SHEETS—SHEET 2.

FIG. 2



WITNESSES

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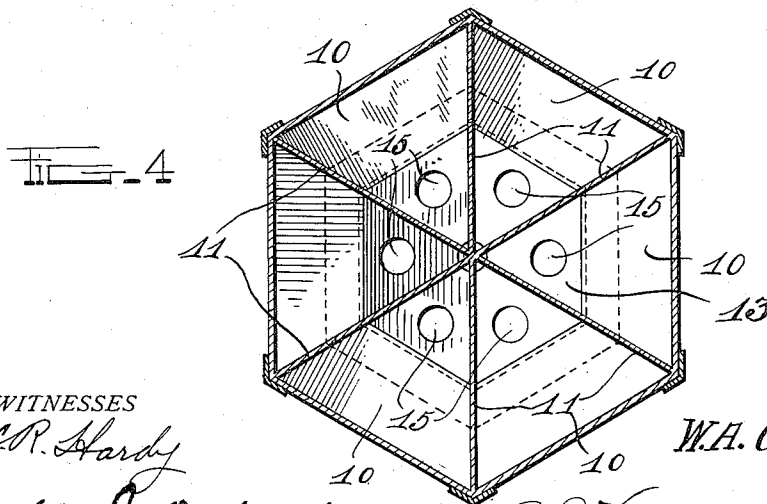
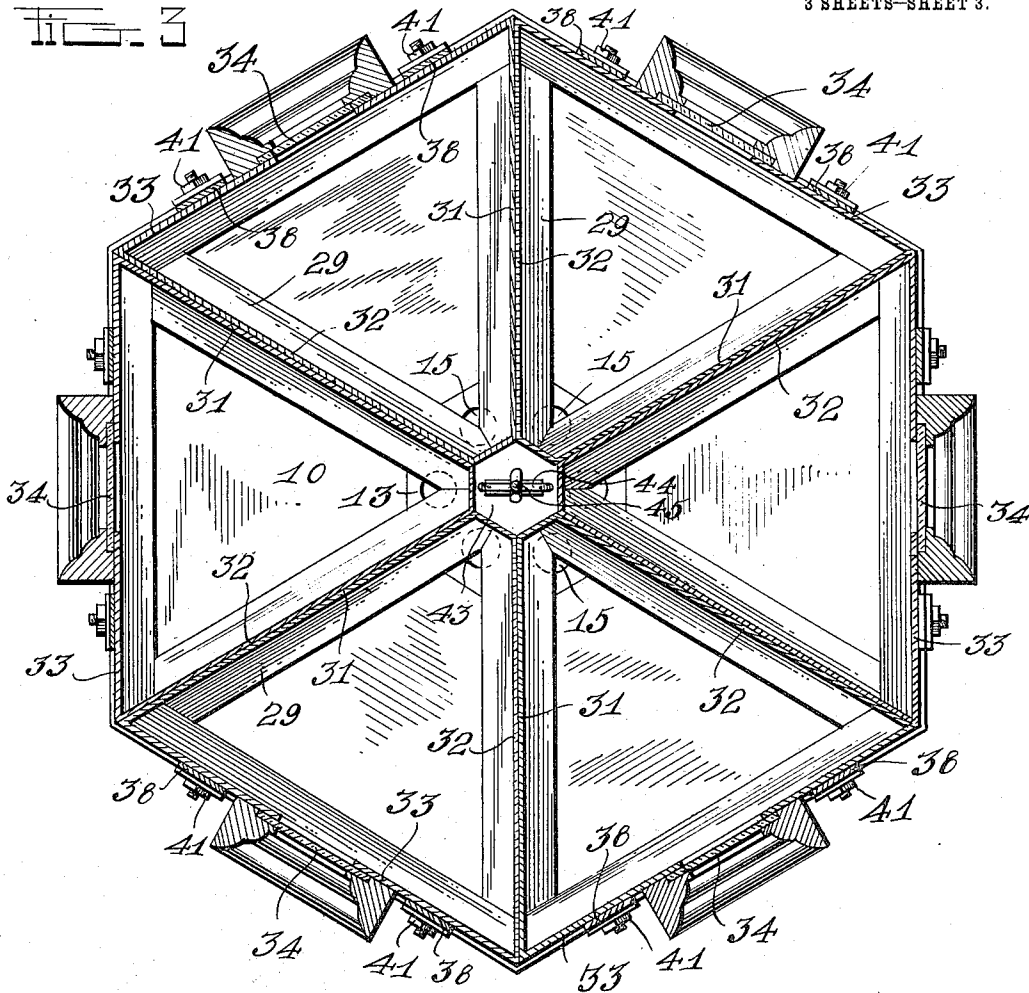
By E. E. Swoman, ^{his} Attorney

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3 SHEETS-SHEET 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

WILLIAM A. C. STEPHEN, OF REED, OKLAHOMA.

CABINET.

1,059,781.

Specification of Letters Patent.

Patented Apr. 22, 1913.

Application filed June 22 1912. Serial No. 705,317.

To all whom it may concern:

Be it known that I, WILLIAM A. C. STEPHEN, citizen of the United States, residing at Reed, in the county of Greer and State of Oklahoma, have invented certain new and useful Improvements in Cabinets, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to cabinets which are intended to be used in stores and kitchens, and the principal object of the invention is to provide a cabinet provided with a number of removable compartments in which various articles, such for instance as 15 spices, coffee, or sugar or any other granular material, may be placed so that this article used in cooking will be convenient to reach.

20 Another object of the invention is to so construct the cabinet that the articles will be fed through a single spout, a disk valve being provided so that the desired article may be obtained and the remaining articles 25 prevented from flowing out of the cabinet.

This invention is illustrated in the accompanying drawings, wherein:—

Figure 1 is a perspective view of a cabinet. Fig. 2 is a vertical sectional view 30 through the cabinet. Fig. 3 is a section along the line 3—3 in Fig. 2. Fig. 4 is a section along the line 4—4 in Fig. 2. Fig. 5 is a section along the line 5—5 in Fig. 2. Fig. 6 is a perspective view of one of the receptacles. Fig. 7 is a fragmentary top plan view of the discharge spout. Fig. 8 is a 35 plan view of the valve plate.

Referring to the accompanying drawings, it will be seen that this invention comprises 40 a supporting frame which forms the base of the cabinet and also forms the lower portion of the receptacles, the upper portion of the receptacles being removable so that if a very large cabinet is being constructed for 45 use in a store, the base portion may be separated from the upper portion of the receptacles thus making it more convenient to handle the cabinet when shipping the same or setting it up in the store.

50 The base comprises the side walls 10 which form the outer walls of the lower portions of the receptacles, the base being divided into the receptacles by means of the partitions 11 which have their upper portions 55 braced by means of the bars 12. These receptacles converge toward the bases so that

the outer walls 10 are sloping, thus causing the sugar or whatever is placed in the receptacle to have a tendency to move toward the bottom of the receptacle. A flooring 13 60 is mounted in the lower portion of the base between the flanges 14 carried by the side walls 10, the floor being provided with openings 15 so that the contents of the receptacles may pass out.

65 A bolt 16 is carried at the center of the flooring 13; and a bar 17 is mounted upon the bolt 16 and forms a bearing for the valve plate 18. This valve plate is provided with a slot 19 which passes in the track of the 70 openings 15 so that when the plate 18 is rotated, the slot 19 will be brought into registry with the openings 15 thus permitting the contents of the receptacle with which the opening communicates, to pass out and into 75 the discharge spout.

The discharge spout comprises a funnel shaped lower portion 20 which is secured to a plate 21 provided with openings 22 which register with openings 23 formed in the 80 valve plate 18 so that securing bolts may be passed through the openings to connect the discharge spout with the valve plate. One edge portion of the discharge spout 20 is provided with a notch 23, and an extension 85 24 is carried by the discharge spout 20 and plate 21, and incloses the opened space which would be formed underneath the discharge spout by the slot 19 if it were not for this extension. A gate 25 is mounted in the slot 90 26 and carries a pin 27 which extends downwardly and is adapted to be brought in contact with the plate 21 at the outer end of the slot 26, thus limiting the outward movement of the door. This door may be opened a 95 sufficient distance in order to uncover a desired opening formed in the flooring 13, thus permitting the contents of a desired receptacle to pass through its opening 15, through the aligned slots 19 and 26 and into the spout 100 20, from whence it can pass out through the opening 28.

Hoppers which form the upper portion of the receptacles are mounted upon the base and they are removably connected therewith 105 by means of bolts, so that when desired, the hoppers may be removed, thus making it more convenient to move the cabinet from one place to another. In the illustrated form of cabinet, there has been provided six 110 receptacles, and, therefore, there must be provided six hoppers, the hoppers when be-

ing connected together forming a cabinet which is hexagonal in cross sections. These hoppers are identical in construction and, therefore, a description of one of the hoppers will suffice for them all. Substantially
 5 triangular frames 29 and 30 are provided at the upper and lower ends of each of the hoppers, the frames being connected by the side walls 31 and 32 and the front wall 33.
 10 The hopper is open at both ends so that the contents of the hopper may pass through the same, the frame 32 at the lower end of the hopper being provided with beveled upper faces so that the contents of the hopper will
 15 not collect upon the upper edge of the frame. A window 34 is provided in the front wall 33 in order that the contents of the hopper may be ascertained without it being necessary to remove the cover 35. This cover 35
 20 is provided with depending flanges 36 which fit into the open upper end of the hopper and also carry handles 37 so that the cover may easily be removed when it is desired to refill the hopper.

25 Strips 38 are carried by the front walls of the hoppers and have their lower ends formed into hooks 39 which fit beneath the ledge 40 at the upper end of the base. The hoppers fit within the ledge, and bolts 41
 30 are passed through the hopper and ledge so that the hoppers will be secured in place. The upper ends of the strips 38 are formed into the latches 42 and are adapted to engage the outer edge portion of the cover 35
 35 so that the cover will be held in a closed position.

A plate 43 connects the inner ends of the bars 12 and carries an eye 44 with which the inner end of a rod 45 is connected. This
 40 rod 45 extends to a point above the upper edges of the hoppers and carries a plate 46 which is secured to the hoppers by means of the bolts 47, a nut 48 being screwed upon the upper end of the rod 45 so that the rod
 45 will be placed under a tension and the cabinet thus greatly strengthened.

When using this cabinet, the cabinet is suspended so that it may be rotated, the suspending means being connected with the
 50 cabinet by any desired manner. If desired, the suspending means may be connected with the hooks 42. The hoppers are filled with any easily running material, such for instance as sugar or spices or coffee or any
 55 other desired material, and the cabinet is then in condition for use. If it is desired to obtain some of the contents of one of the hoppers, the disk valve 18, together with the discharge spout, is rotated so that the
 60 door 25 is beneath the desired hopper. The door is then drawn outwardly as far as the pin 27 will permit, and the contents of the receptacle can then pass through the alined openings 15, 19, and 26, and into the dis-
 65 charge spout 20 from whence it will pass

out through the opening 28 into a suitable receptacle, such for instance as a box or paper sack.

If it is desired to ship this cabinet away, the bolts 41, 48, and 49, can be removed and
 70 the hopper can then be easily removed from the base, thus making it a great deal more convenient to handle the cabinet since the different portions of the cabinet may be dis-
 75 assembled. It should also be noted that if desired, the discharge spout and valve plate may be removed so that the cabinet may be thoroughly cleansed when desired.

Having thus described my invention, what I claim is:—

80 1. A cabinet comprising a base, partitions mounted in said base and dividing said base into a plurality of receptacles, a flooring for said base provided with a plurality
 85 of openings communicating with said receptacles, a common discharge spout for all of said receptacles adapted to have its inlet brought into registry with a desired one of
 90 said receptacles whereby the contents of said receptacle will flow through an opening formed in said flooring and into said
 discharge spout, and hoppers mounted upon said base above said receptacles.

95 2. A cabinet comprising a plurality of receptacles, a flooring for said receptacles provided with a plurality of outlet openings formed in alinement with said receptacles,
 100 a valve plate rotated and mounted beneath said flooring and provided with a slot adapted to be brought into registry with a desired one of said flooring, a discharge spout
 105 secured to said valve plate and provided with an inlet opening registering with the slot formed in said valve plate, and a door slidably mounted in the slot of said valve
 whereby passage of material from said receptacles into said discharge spout may be controlled.

110 3. A cabinet comprising a base provided with a plurality of outlet openings in its lower portion, a discharge spout rotatably mounted beneath said base and having its
 115 inlet opening adapted to be brought into registry with a selected one of the openings formed in said base, partitions mounted in said base and dividing said base into a plu-
 120 rality of receptacles, a vertical rod connected with said partitions at the center of said base, openings mounted upon said base and removably connected therewith, a plate
 125 mounted upon the upper end of said rod and removably connected with the upper portions of said hoppers, and an adjusting nut mounted upon the upper end of said
 rod whereby said rod will be placed under tension to brace said cabinet.

130 4. A cabinet comprising a base divided into a plurality of receptacles, and an outwardly extending ledge at the upper portion of said base, hoppers mounted upon

said base above said receptacle and fitting within said ledge, securing means connected with the inner ends of said hoppers, strips connected with the outer walls of said hoppers and having their lower end portions formed into hooks engaging said ledge, the upper end portions of said strips being formed into catches overhanging the upper portions of said hoppers, and covers for said

hoppers fitting beneath said catches where- 10
by said covers will be held in position.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

WILLIAM A. C. STEPHEN.

Witnesses:

H. C. DIAL,
M. P. DIAL.