Aug. 24, 1926. **1,597,548**

J. E. SHARP

DISPLAY DEVICE

Filed August 16, 1924 2 Sheets-Sheet 1

Fig. 1.

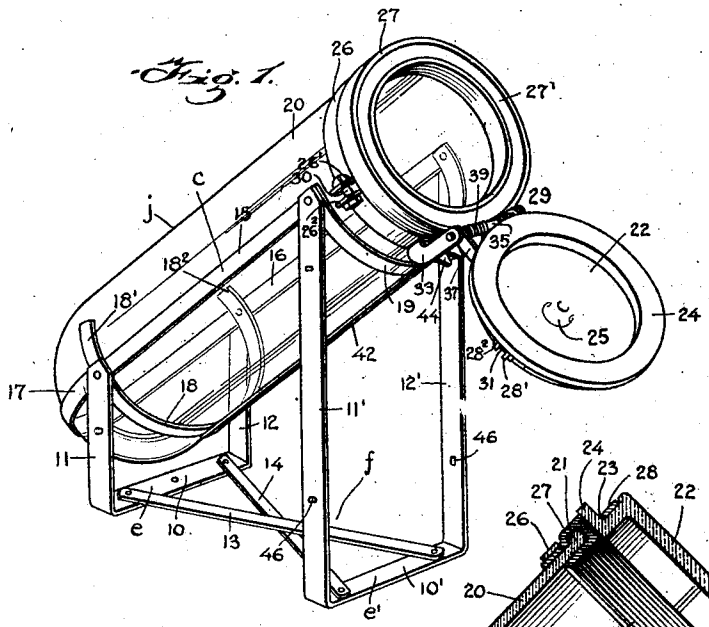
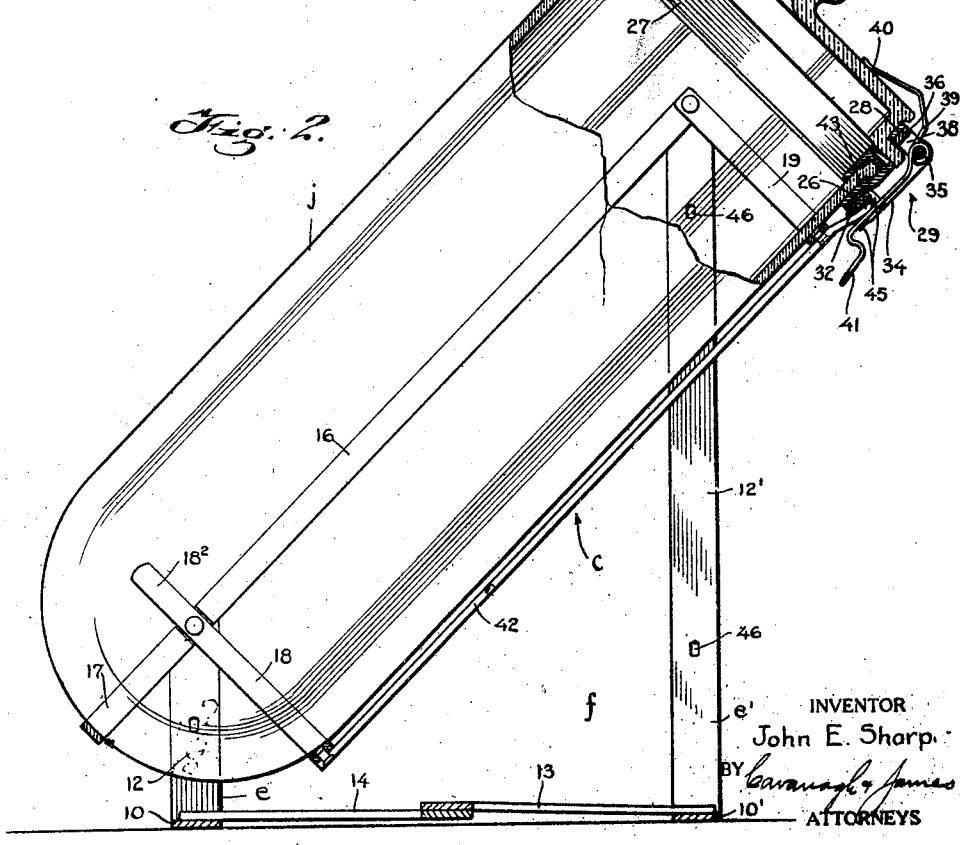


Fig. 2.



INVENTOR
John E. Sharp
BY Cavanagh & James
ATTORNEYS

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Fig. 3.

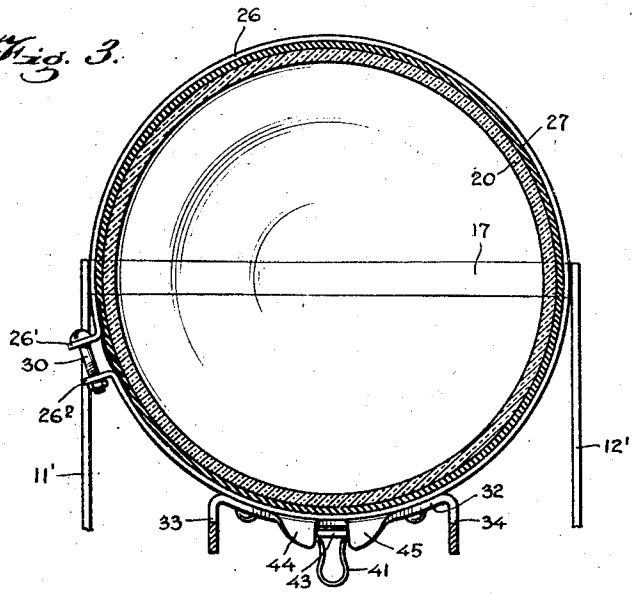


Fig. 4.

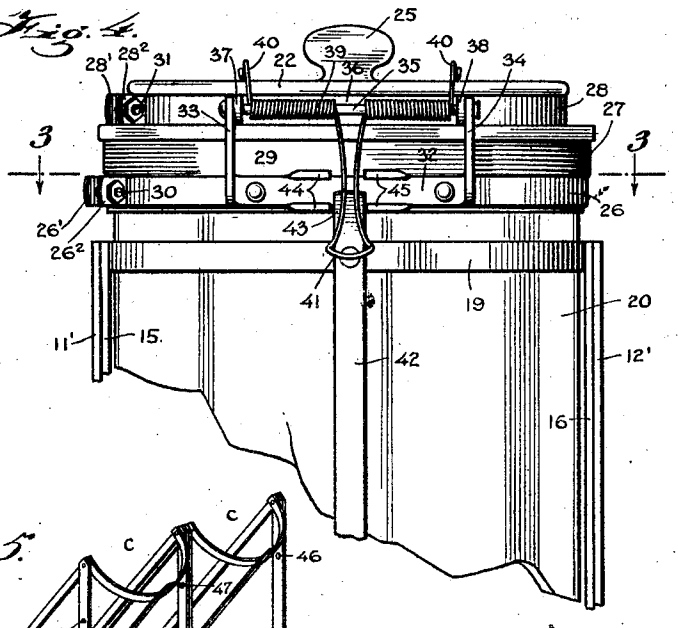
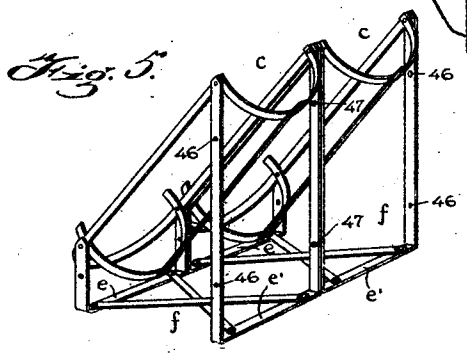


Fig. 5.



INVENTOR
John E. Sharp
BY Cavanagh & James
ATTORNEYS

Patented Aug. 24, 1926. 1,597,548

UNITED STATES PATENT OFFICE.

JOHN E. SHARP, OF MILWAUKEE, WISCONSIN, ASSIGNOR TO PANAY HORIZONTAL SHOW JAR COMPANY, OF MILWAUKEE, WISCONSIN, A CORPORATION OF WISCONSIN.

DISPLAY DEVICE.

Application filed August 16, 1924. Serial No. 732,421.

This invention relates to a display device, and more particularly to a display device for transparent receptacles or show jars; and has special reference to the provision of improvements in a transparent show jar and support.

One of the prime objects of the present invention comprehends the provision of a support for transparent display or show jars constructed and designed to removably receive and seat cylindrical jars or receptacles in inclined positions, the support being able to receive the jar and lock the same in a registered position against accidental or other movement or displacement, with the construction such that the jar can be readily lifted from the support when desired for removal and replacement purposes.

Other prime objects of my invention include the provision of a support constructed as a unit which is fashioned or designed to permit an unobstructed exposure of the contents of the transparent show jar supported, the unit being adapted for attachment to other and similar units to produce a gang or multiple display assembly; the further provision of a combined show jar and support in which means are provided on the show jar and the support which are adapted to inter-register when the show jar is received by the support to position and lock the show jar in position against accidental or other displacement; and the further provision of an improved show jar or receptacle of the transparent glass type in which improved means is provided for movably supporting the receptacle cover on the receptacle body and for sealing the contents of the jar.

A further correlated and important object of the invention relates to the provision of a show jar support made of strip metal fashioned to produce an open framework in which the parts are few in number and are relatively arranged so as to afford an inexpensive, strong, rigid and durable supporting unit.

To the accomplishment of the foregoing and such other objects as may hereinafter appear, my invention consists in the elements and their relation one to the other, as hereinafter particularly described and sought to be defined in the claims; reference being had to the accompanying drawings which show a preferred embodiment of my invention, and in which:

Fig. 1 is a perspective view of the improved show jar and support,

Fig. 2 is an elevational view thereof with parts shown in cross-section and with other parts broken away,

Fig. 3 is a view taken in cross-section on line 3—3, Fig. 4,

Fig. 4 is an enlarged fragmentary rear elevational view, and

Fig. 5 is a perspective view showing the supporting units arranged in multiple or gang assembly formation.

Referring now more in detail to the drawings, the improved support and show jar of my present invention comprises a supporting open framework consisting of a base frame generally designated as *f* and a cradle frame generally designated as *c* secured to and supported by the base frame for supporting in display fashion the transparent show jar *j*, the construction being such that the display jar is supported in inclined position substantially mid-way between the vertical and the horizontal, the cradle frame *c* being designed to reinforce or brace the base frame *f* to produce a strong and rigid unit, and the said cradle frame *c* being fashioned to receive and seat the jar *j* in the inclined position shown in the drawings and to lock the same in a registered position against undesirable movement.

The base frame *f* is fashioned from strip metal and comprises front and rear end frames *e* and *e'*, each of which is made from a single strip of metal bent into U-shaped configuration so as to provide for the front end frame, a base portion 10 and two upright arm portions 11 and 12, and for the rear end frame *e'*, the base portion 10' and the upright arm portions 11' and 12', the upright arms of the front end frame *e* being relatively short, and the upright arms of the rear end frame *e'* being relatively long, as clearly depicted in the drawings, the base frame further including means for connecting the end frames and for bracing the same in spaced relation, such means comprising the crossed braces 13 and 14 which are securely attached as by being riveted to the base portions 10 and 10' of the end frames *e* and *e'* respectively.

The cradle frame *c* is constructed to pro-

vide a cylindrical seat section and a lower ball seat section so as to fit transparent show jars of cylindrical configuration having ball-shaped bottoms, and as heretofore mentioned, is supported by and attached to the base frame *f* so as to reinforce or brace the latter to produce a strong and a rigid supporting unit. The cradle frame *c* is further designed so as to receive the jar *j* when the latter is lowered into the support, and to permit a facile removal of the jar by a lifting of the latter from the support, the jar when in received and seated position being securely held by the cradle frame against any tendency to axial, lateral or rotary movement. To accomplish these desired ends, while maintaining a simplicity of construction to permit an unobstructed exposure of the contents of the transparent jar *j*, the cradle frame *c* is made to comprise a pair of longitudinal members 15 and 16 forming side supports for the jar, a substantially semi-circular member 17 lying in the plane of the longitudinal members and a pair of substantially semi-circular members 18 and 19 arranged in parallel planes normal to the plane of the longitudinal members, the construction being such that the longitudinal side members 15 and 16 and the substantially semi-circular members 18 and 19 form a cylindrical seat for the body of the jar *j* and the semi-circular members 17 and 18 which are arranged substantially at right angles to each other form a ball seat for the ball shaped bottom of the transparent jar *j*. Preferably the members 15, 16 and 17 are fashioned from a single strip of metal bent to provide the side sections 15 and 16 and the bottom sections 17; and the substantially semi-circular members 18 and 19 are also made of strip metal bent into the desired configuration. The members forming the cradle frame are secured together and to the end frames *e* and *e'* in any approved manner, and in the preferred construction as exemplified in the drawings, the longitudinal side sections 15 and 16 connect and are secured as by being riveted to the ends of the upright arms 11, 11' and 12, 12' of the end frames and the top and bottom metal strip members 19 and 18 connect and are secured as by being riveted to the arms of the end frames 11', 12' and 11, 12 respectively.

For securing the jar in locked position against outward or lateral movement without obstructing a full exposure of the front of the show jar, the semi-circular strip member 18 is provided with ends 18' and 18^2 which project beyond and above the plane of the longitudinal members 15 and 16 so as to embrace more than half of the cylindrical body of the show jar when the latter is placed in the cradle frame, and as will be seen from a consideration of the drawings, with this construction the members 17 and 18 so embrace and fit the ball-shaped bottom of the show jar as to minimize any tendency of lateral or outward movement of the show jar from the cradle frame.

As heretofore mentioned, the show jar of my invention is of the transparent glass type in which improved means is provided for movably supporting the receptacle cover on the receptacle body and for sealing the contents of the jar. The show jar of the present invention comprises the vitreous receptacle body 20 having an upper marginal bead 21, the receptacle body being provided with the vitreous cover 22 shaped to provide an annular depression 23, a marginal flange 24 and a finger or hand knob 25. The cover 22 is hingedly mounted on the receptacle body 20 by means of a cover frame which is secured to the receptacle body 20 so as to prevent injury to the latter and so as to produce an air-tight seal between the receptacle body and the cover, the said cover frame comprising an annular band 26 which is secured to the outer wall of an annular U-shaped gasket 27, which gasket is seated over the open end and bead of the receptacle body, the cover frame further including a second annular band 28 received by the annular depression 23 of the cover 22, and a hinge structure generally designated as 29 connects the said annular bands in relatively movable relationship. By means of this construction, the cover frame is protectively secured to the receptacle body below the bead thereof so as to minimize any tendency towards breakage of the jar body or movement of the cover frame, and the said frame secures the gasket firmly in position, producing an efficient and air-tight seal for the jar at the joints between the cover frame and the receptacle body and between the upper end of the gasket and the marginal flange 24 of the receptacle cover.

The annular bands 26 and 28 each preferably comprises a metal strip bent into the desired configuration and having their ends out-turned to produce apertured ears for reception of a tightening or securing bolt, the band 26 being provided with the ears 26' and 26^2 receiving the tightening and securing bolt 30, and the band 28 being provided with the outwardly turned ears 28' and 28^2 receiving a tightening and securing bolt 31. The hinge structure 29 comprises a metallic strip bent to provide a central portion 32 riveted to the band 26 and end portions 33 and 34 apertured to receive the hinge pintle 35, and a second metal strip bent to provide the central portion 36 riveted to the annular band 28 and the end portions 37 and 38 also apertured to pivot or hinge upon the hinge pintle 35. The cover 22 is acted upon by a hinge spring 39, the coils of which sur-

round the hinge pintle 35, the outer ends 40, 40 of the spring being anchored against the closure or cover 22, and an inner end of the spring 41 being anchored against any stationary part of the cover frame, the construction being such that the spring resiliently urges the cover against the gasket when the cover is in closed position, but permits the cover to remain in open position as shown in Fig. 1 of the drawings, sustaining the weight of the cover to permit free access to the contents of the jar.

As heretofore mentioned, the show jar *j* is adapted to be received by the cradle frame *c* in a registered position, an object of the invention comprehending the provision of inter-registering means on the cover frame of the show jar and the cradle frame which functions for locking the show jar against rotation in its seat while permitting ready removal of the show jar as by lifting the same from its seat. The inter-registering means in the preferred construction comprises a member 42 which connects the semi-circular members 18 and 19 medially thereof for reinforcing and bracing the same, the said medial member 42 terminating at its upper end in a locking finger 43 which cooperates with the outwardly turned lugs 44 and 45 formed preferably integrally with a part of the cover frame such as the central portion 32, the locking finger 43 being received by the space defined between the outwardly turned lugs 44 and 45, these parts cooperating to produce a registered positioning of the show jar and to prevent rotation of the show jar in its seat while permitting a ready lifting of the show jar for removal or replacement purposes, as will be fully apparent from a consideration of the drawings.

The manner of making and using my improved show jar and support and the many advantages thereof will in the main be fully apparent from the above detailed description thereof. It will be further apparent that a supporting unit is designed not only to support its show jar in inclined and securely locked position so as to permit an unobstructed disp'ay of the jar contents, but that a plurality of such units may be assembled in plural or gang formation, as shown in Fig. 5 of the drawings, the upright arms of the end frames *e* and *e'* being provided to this end with a plurality of apertures 46, 46, adapted to register to receive securing means such as 47 (see Fig. 5), when the units are assembled in gang formation, the assembled construction permitting free access to the jars for merchandizing the contents thereof, as well as for removal and replacement of each jar, and producing a highly attractive display.

While I have shown my invention in the preferred form, it will be understood that many changes and modifications may be made in the structure disclosed without departing from the spirit of the invention, defined in the following claims.

I claim:

1. A show jar support comprising front and rear end frames, each end frame having a base and upright arms, the upright arms of the front end frame being relatively short and those of the rear end frame relatively long, crossed brace members connecting the bases of the end frames and a cradle frame for a show jar secured to and supported by the end frames, the cradle frame including a pair of substantially semi-circular members one associated with each end frame and connecting the upper ends of the arms thereof and a pair of longitudinal side members each connecting the upper ends of an arm of one end frame and an arm of the other end frame, the semi-circular and longitudinal side members defining a seat for the show jar and forming a bracing structure for the front and rear end frames.

2. A support for cylindrical show jars having ball shaped bottoms comprising front and rear end frames, each end frame having a base and upright arms, the upright arms of the front end frame being relatively short and those of the rear end frame relatively long, crossed brace members connecting the bases of the end frames and a cradle frame for the show jar secured to and supported by the end frames, the cradle frame including a pair of substantially semi-circular members arranged in planes substantially at right angles to each other and connecting the upper ends of the arms of the front end frame, a third semi-circular member connecting the ends of the arms of the rear end frame and a pair of longitudinal side members each connecting the upper ends of an arm of one end frame and an arm of the other end frame, the semi-circular and longitudinal side members defining a seat for the ball shaped bottom and cylindrical body of the show jar and forming a bracing structure for the front and rear end frames.

3. A support for cylindrical show jars having ball shaped bottoms comprising a base frame and a cradle frame secured to said base frame and supported on the base frame in an inclined position, the said cradle frame comprising a front pair of substantially semi-circular members arranged in planes substantially at right angles to each other, a rear semi-circular member and longitudinal members secured to the base frame and to the said semi-circular members, the semi-circular and longitudinal members defining a seat for the ball shaped bottom and cylindrical body of the show jar and forming a bracing structure for the base frame.

4. A show jar support comprising a base frame and a cradle frame secured to said base frame and supported on the latter in an

inclined position, the said cradle frame comprising a longitudinal metal strip member bent to provide a pair of side sections and a semi-circular bottom section, top and bottom substantially semi-circular metal strip members secured to the side sections of the longitudinal member and lying in planes normal to the plane of the longitudinal member, the said semi-circular and longitudinal members defining a seat for cylindrical show jars having ball shaped bottoms.

5. A support for cylindrical show jars having ball shaped bottoms comprising front and rear end frames, each end frame having a base and upright arms, the upright arms of the front end frame being relatively short and those of the rear end frame relatively long, crossed brace members connecting the bases of the end frames and a cradle frame for the show jar secured to and supported by the end frames, the cradle frame comprising a longitudinal metal strip member bent to provide a pair of side sections and a semi-circular bottom section, the side sections connecting the upright arms of the front and rear end frames, and top and bottom substantially semi-circular metal strip members arranged in planes normal to the plane of said longitudinal member, the said semi-circular members connecting the side sections of the longitudinal member and being secured to the arms of the end frames.

6. A support for cylindrical show jars having ball shaped bottoms comprising a base frame and a cradle frame secured to the base frame and supported on the latter in an inclined position, the said cradle frame comprising a longitudinal metal strip member bent to provide a pair of side sections and a semi-circular bottom section, and top and bottom substantially semi-circular metal strip members connecting the side sections of the longitudinal member and lying in planes normal to the plane of the said longitudinal member, the ends of the bottom semi-circular member projecting beyond the plane of the longitudinal member and cooperating with the bottom section of such longitudinal member for seating the ball shaped bottom of the show jar and for locking the same in position.

7. A support for cylindrical show jars having ball shaped bottoms comprising a base frame and a cradle frame secured to the base frame and supported on the latter in an inclined position, the said cradle frame comprising a longitudinal metal strip member bent to provide a pair of side sections and a semi-circular bottom section, top and bottom substantially semi-circular metal strip members connecting the side sections of the longitudinal member and lying in planes normal to the plane of the said longitudinal member, the ends of the bottom semi-circular member projecting beyond the plane of the longitudinal member and cooperating with the bottom section of such longitudinal member for seating the ball shaped bottom of the show jar and for locking the same in position, and a member connecting the semi-circular members medially thereof.

8. A support for cylindrical show jars having ball shaped bottoms comprising front and rear end frames, each end frame having a base and upright arms, the upright arms of the front end frame being relatively short and those of the rear end frame relatively long, crossed brace members, connecting the bases of the end frames and a cradle frame for the show jar secured to and supported by the end frames, the cradle frame comprising a longitudinal metal strip member bent to provide a pair of side sections and a semi-circular bottom section, the longitudinal side sections connecting the upright arms of the front and rear end frames, and top and bottom substantially semi-circular metal strip members arranged in planes normal to the plane of said longitudinal member, the said semi-circular members connecting the side sections of the longitudinal member and being secured to the arms of the end frames, the ends of the bottom semi-circular member projecting beyond the plane of the longitudinal member and cooperating with the bottom section of such longitudinal member for seating the ball shaped bottom of the show jar and for locking the same in position.

9. A show jar and support comprising a base frame, an elongated cradle frame secured to said base frame and supported on the same in an inclined position, the said cradle frame including a cylindrical seat section and a ball seat section, a transparent elongated show jar having a cylindrical body and a ball shaped bottom seated in said cradle frame, a cover frame secured to the open end of the show jar body, a cover movably supported on the cover frame, and interengaging means on said cradle and the cover frame for locking the show jar in a registered position against rotation in its seat.

10. A show jar and support comprising a base frame, an elongated cradle frame secured to the base frame and supported on the latter in an inclined position, the said cradle frame comprising top and bottom substantially semi-circular members lying in parallel planes, longitudinal side members secured to the base frame and to the said semi-circular members, and a member connecting the semi-circular members medially thereof, all of the said members defining a substantially semi-cylindrical seat, a transparent elongated show jar seated in said cradle frame, the said show jar including a cylindrical receptacle body, a cover

frame secured to the open end thereof, and a cover pivotally supported on the cover frame, the said cover frame and medial member being provided with interregistering means for locking the show jar against rotation in its seat.

11. A show jar and support comprising a base frame, an elongated cradle frame secured to the base frame and supported on the latter in an inclined position, the said cradle frame comprising top and bottom substantially semi-circular members lying in parallel planes, longitudinal side members secured to the base frame and to the said semi-circular members, and a member connecting the semi-circular members medially thereof, all of the said members defining a substantially semi-cylindrical seat, a transparent elongated show jar seated in said cradle frame, the said show jar including a cylindrical receptacle body, a cover frame having an annular band secured to the open end thereof, and a cover pivotally supported on the cover frame, the said medial member and annular band being provided with inter-registering means functioning for locking the show jar against rotation in its seat while permitting ready removal of the show jar from its seat.

Signed at Milwaukee, in the county of Milwaukee, and State of Wisconsin, this 9th day of August A. D. 1924.

JOHN E. SHARP.