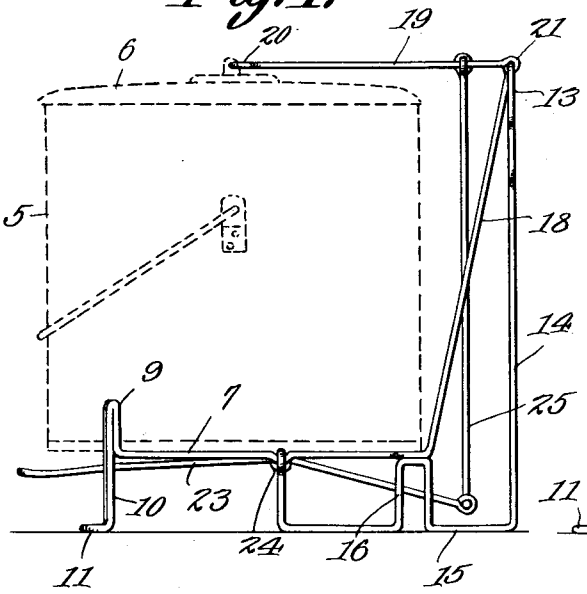
M. J. TIERNEY.

STAND AND LID OPERATING MEANS FOR GARBAGE CANS AND OTHER RECEPTACLES.

APPLICATION FILED MAR. 25, 1914.

1,130,774. Patented Mar. 9, 1915.

Fig. 1.



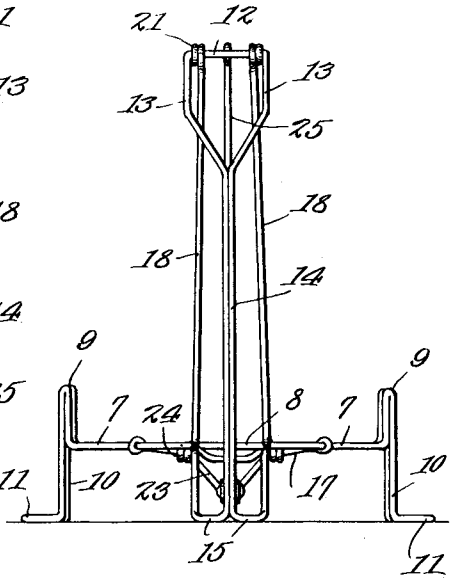


Fig. 3.

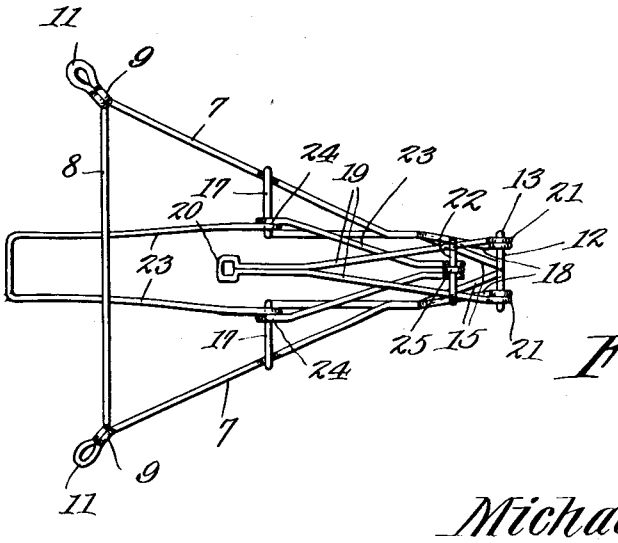


Fig. 2.

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UNITED STATES PATENT OFFICE.

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STAND AND LID-OPERATING MEANS FOR GARBAGE-CANS AND OTHER RECEPTACLES.

1,130,774. Specification of Letters Patent. Patented Mar. 9, 1915.

Application filed March 25, 1914. Serial No. 827,162.

To all whom it may concern:

Be it known that I, MICHAEL J. TIERNEY, a citizen of the United States, residing at Pittsfield, in the county of Berkshire and State of Massachusetts, have invented certain new and useful Improvements in Stands and Lid-Operating Means for Garbage-Cans and Other Receptacles, of which the following is a specification.

The device which is the subject matter of the present application for patent is designed to provide a stand for supporting garbage cans and other receptacles, means being also provided for operating the lid of the receptacle.

It is the object of the invention to provide a stand of the kind stated which is simple and durable in construction and one which keeps the receptacle in a sanitary condition.

This object is attained by means of a novel combination and arrangement of parts to be hereinafter described and claimed, reference being had to the accompanying drawing, in which—

Figure 1 is a side elevation of the stand; Fig. 2 is a plan view, and Fig. 3 is a rear elevation thereof.

In carrying out the present invention, there is provided a stand on which the garbage can or other receptacle, shown dotted at 5 in Fig. 1, is supported, said stand carrying a swinging arm which carries the lid 6 of the receptacle and is connected to a treadle, whereby the lid may be swung open. The stand is constructed entirely of wire and comprises two converging base members 7 connected at their widest portion by a cross piece 8 formed by bending the wire. At the junction of the parts 7 and 8, the wire is bent upward and downward to form an upstanding retaining member 9 for the receptacle, said member rising a suitable distance above the parts 7. The receptacle seats on the part 7 between the members 9, and the latter prevent the receptacle from slipping off the stand. The downward bend of the parts 9 are continued below the parts 7, as indicated at 10, to form supporting legs for the front end of the stand. In forming the parts 9 the wire is doubled and at the base of the downward bends 10 the two ends are bent into horizontal loops 11 forming supporting feet. The wire is then carried across to form the connecting cross piece 8.

At the rear of the stand is an upright standard which serves as a support for the arm which carries the lid 6. This standard is also formed of a single piece of wire which is bent intermediate its ends to form a cross bar 12, at the ends of which latter the wire is bent downward, as indicated at 13, and then brought closely together, as indicated at 14, and carried downward. At the bottom the two ends of the wire are bent laterally in opposite directions, and carried forward, as indicated at 15, to the parts 7 and connected thereto. The forward bends 15 are on the same level as the feet 11 and serve to support the rear portion of the stand. Intermediate the bends 15, the wire has upward bends 16 which extend into engagement with the rear portions of the parts 7, whereby the latter are braced and prevented from sagging under the weight of the receptacle. The bends 15 terminate inside the parts 7 substantially midway between the front and rear ends thereof and have inward bends 17 which are connected to said parts 7. The rear ends of the parts 7 are bent upward, as indicated at 18, and carried to the cross bar 12, to which latter they are connected.

The supporting arm of the lid 6 is also formed of wire which is bent into two branches 19 having an eye 20 at one end for connection to the lid, and pivoted at their other ends to the cross bar 12, as indicated at 21, and connected adjacent thereto by a cross bar 22.

The treadle is a piece of wire bent into two branches 23 which are looped intermediate their ends around the parts 17, as indicated at 24, said parts therefore serving as the fulcrum of the treadle. A wire or rod 25 connects the treadle to the cross bar 22 of the lid supporting arm.

It will be evident from the foregoing that upon pressing down on the treadle the lid 6 is lifted off the receptacle 5, and when the treadle is released, the lid drops back to close the receptacle.

The device is very simple in construction and as it is made entirely out of wire, it is light and can be easily and cheaply manufactured.

As the stand is an open-work structure and the receptacle is held clear of the ground, air can circulate freely around the receptacle.

The lid always swings closed, thereby pre-

venting the gathering and breeding of flies, and the device therefore enables the receptacle to be kept in a sanitary condition.

I claim:

1. A stand for receptacles having a lid, said stand comprising converging base bars on which the receptacle seats, said bars having upward bends at their converging ends, the other ends of the bars having upward and downward bends extending respectively above and below the bars, the upward bends forming retaining means for the receptacle seating on the bars, and the downward bends serving as supporting legs for the bars, a standard at the converging ends of the base bars composed of component members having a cross bar at the top to which the aforesaid upward bends at the converging ends of the base bars are connected, and said members having horizontal bends at their lower ends forming supports for the converging ends of the base bars, said horizontal bends being connected to the base bars and having bracing portions engaging said base bars, a lid supporting member pivoted to the aforesaid cross bar, and treadle-operated means for swinging said lid supporting member.

2. A stand for receptacles having a lid, said stand comprising converging base bars on which the receptacle seats, said bars having upward bends at their converging ends, the other ends of the bars having upward and downward bends extending respectively above and below the bars, the upward bends forming retaining means for the receptacle seating on the bars, and the downward bends serving as supporting legs for the bars, a standard at the converging ends of the base bars composed of component members having a cross bar at the top to which the aforesaid upward bends at the converging ends of the base bars are connected, and said members having horizontal bends at their lower ends forming supports for the converging ends of the base bars, said horizontal bends having outward bends connected to the base bars, and also having bracing portions engaging said base bars, a treadle fulcrumed on said outward bends, a lid supporting member pivoted to the aforesaid cross bar, and a connection between the treadle and the lid supporting member.

3. A stand for receptacles having a lid, said stand comprising base bars on which the receptacle seats, said bars having upward bends at one end, the other ends of the bars having upward and downward bends extending respectively above and below the bars, the upward bends forming retaining means for the receptacle seating on the bars, and the downward bends serving as supporting legs for the bars, a standard at the first-mentioned ends of the base bars composed of component members having a cross bar at the top to which the first-mentioned upward bends of the base bars are connected, and said members having horizontal bends at their lower ends forming supports for the first-mentioned ends of the base bars, said horizontal bends being connected to the base bars and having bracing portions engaging said base bars, a lid supporting member pivoted to the aforesaid cross-bar, and treadle-operated means for swinging said lid supporting member.

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

MICHAEL J. TIERNEY.

Witnesses:

C. F. MARTIN,

HORTENSE E. PLATT.