Feb. 16, 1932. W. MANDEL 1,845,883

KNOCKDOWN STAND FOR GARBAGE CANS AND SIMILAR ARTICLES.

Filed Oct. 9, 1930

Fig. 2.

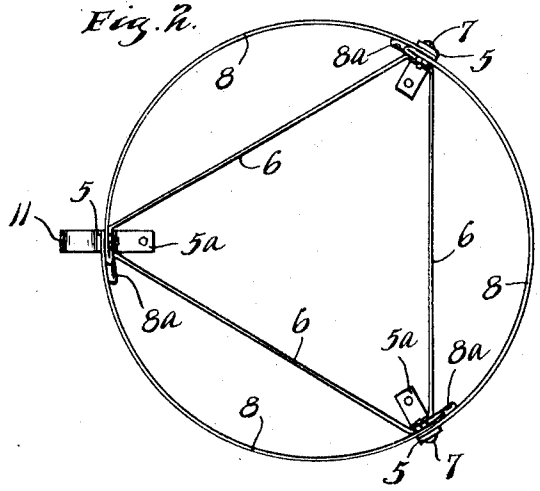


Fig. 1.

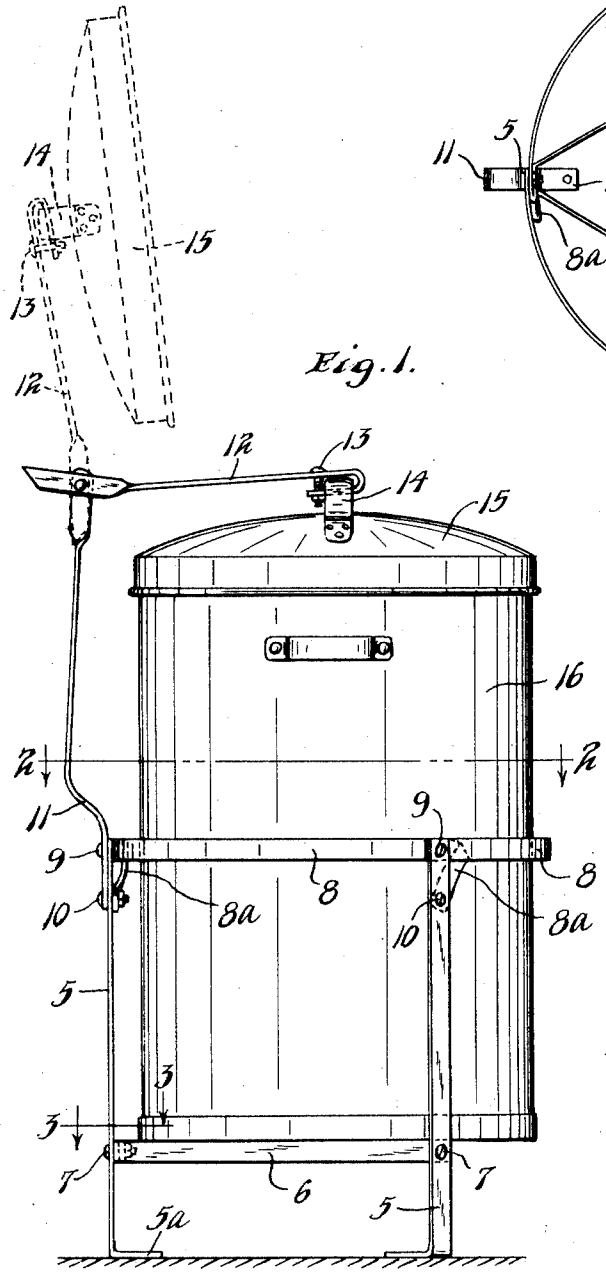


Fig. 4.

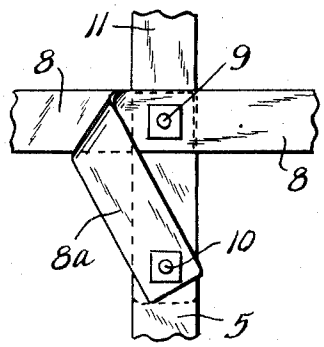
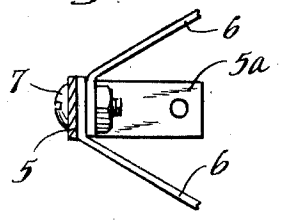


Fig. 3.



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UNITED STATES PATENT OFFICE

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KNOCKDOWN STAND FOR GARBAGE CANS AND SIMILAR ARTICLES

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My invention has for its object to provide a knock-down stand, for supporting garbage cans and similar articles, and, to this end, my invention consists of the novel devices and combinations of devices hereinafter described and pointed out in the claim.

My invention, in its preferred form, is illustrated in the accompanying drawings wherein like notations represent like parts throughout the several views.

In said drawings,

Fig. 1 is a side elevation illustrating my knock-down stand as it would appear in use for supporting a garbage can having a cover pivoted to an upwardly extended bracket arm carried by the stand;

Fig. 2 is a horizontal section on the line 2—2 of Fig. 1;

Fig. 3 is a partial horizontal section on the line 3—3 of Fig. 1; and

Fig. 4 is an inside elevation showing a portion of one of the legs, and the end portions of two of the sectional strap iron hoops and their relations to each other and to the respective legs.

All the parts of the stand are made of strap iron and are connected together with stove bolts.

The numerals 5 represent three strap iron legs with inturned feet 5*a*, which three legs are disposed in triangular disposition in respect to each other. The numerals 6 represent three horizontally disposed leg ties having their ends turned at an angle to their bodies, overlapped and bolted to the respective legs by ordinary stove bolts 7, as best shown in Fig. 2. This set of ties 6 is located a short distance above the lower ends of the legs, as clearly shown in Fig. 1.

The numerals 8 represent three curved sections of a strap iron hoop, all struck from a common center, and which hoop sections 8 have portions which overlap and are bolted to each other and to the upper ends of the legs 5 by stove bolts 9. Each of said curved strap iron sections 8 has, at one end, a down-turned bracing portion 8*a* extending downward and rearward at an angle to the plane of the hoop section, having its lower end bolted to the adjacent leg 5 by a stove bolt 10, as best shown in Fig. 4. This down-turned portion 8*a* of each of said hoop sections is of substantial length and is bolted to the adjacent leg at some distance below the point at which the overlapped portions of the hoop sections are bolted to the leg; and in virtue of this feature of the construction, the hoop sections 8 cannot have any pivotal action on the bolts 9 which connect the same to the legs 5 and all of the said parts, to-wit, the legs and the hoop sections, are rigidly connected together with the hoop sections braced from the legs. The numeral 11 represents an offset vertically disposed bracket arm having its lower end bolted to one of the legs 5 by the same bolts 9 and 10 which respectively connect the overlapped portions of the adjacent hoop sections 8 and their down-turned bracing portions 8*a* to that particular leg. To the upper end of this bracket arm 11 is pivoted the rear end of a lever 12, the forward end of which is of hook shape, thereby adapting it to engage with the handle 14 centrally disposed on the top of the can cover 15. This hook portion of the lever 12 is provided with a small headed bolt 13 by which the hook and handle can be so secured together that the handle will not fall off from the hook. The cover 15 is of a size to loosely fit the body portion of the garbage can 16. The can 16 is of greater diameter than any cross section of the triangle formed by the horizontal ties 6 which connect the three legs 5 of the stand; hence, it follows that the bottom of the can will rest on the ties 6 with the lower end of the can projecting outward at the front beyond the front member of said cross ties 6. The body of the can 16 will, of course, be within the hoop formed by the curved hoop sections 8, all as clearly shown in Fig. 1 of the drawings. The bracket arm 11 is shown as flat on its face opposite the can, but its upper end is twisted, in respect to its body, so that it stands with its flat portion at right angles to its body portion; and the lever 12 extends far enough beyond its pivotal connection to the upper end of the arm 11 so that its rear end will strike the lower or body portion of the bracket when the lever 12 is thrown upward and backward to its limit,

and this will be far enough to be beyond the dead center so that it will hold the cover 15 in its elevated position, as shown in dotted lines in Fig. 1 of the drawings.

When it is desired to knock down the stand, all that is necessary is to remove all the stove bolts from their working positions and the sections will all come apart and be adapted to be packed in very small compass for the purpose of storage or shipment; and of course, the sections of the said stand would be packed and stored in their knock-down position at the factory and shipped in that way to the place where the stand is to be sold.

The efficiency of my knock-down stand for holding garbage cans and similar articles is obvious from the construction illustrated and described, but has also been demonstrated by the commercial usage of the device.

What I claim is:

A knock-down stand, for supporting a garbage can or similar article, comprising three strap iron legs in triangular disposition in respect to each other, three horizontally disposed strap iron ties having their ends bent to overlap each other and bolted to their respective legs, and three strap iron hoop sections struck from a common center and having portions which overlap and are bolted to the upper end of said legs, and also are provided, each at one end, with a bracing portion which is turned downward and backward and is bolted to the adjacent leg, substantially as described.

In testimony whereof I affix my signature.

WILLIAM MANDEL.