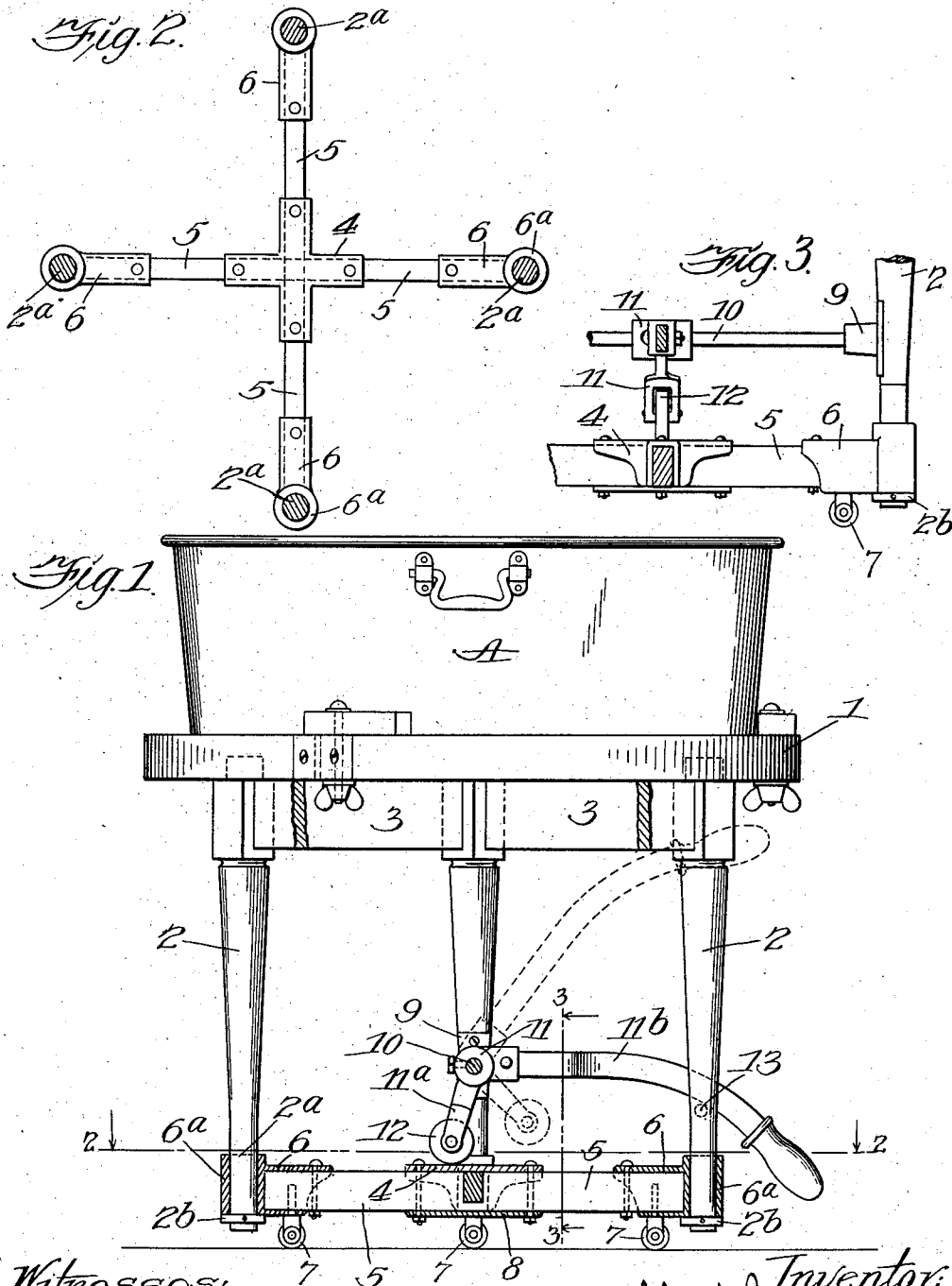


A. GRUB.
LEG LIFTING CASTER DEVICE.
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1,021,773.

Patented Apr. 2, 1912.



Witnesses:
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UNITED STATES PATENT OFFICE.

ALBERT GRUB, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-FOURTH TO FREDERICK GRUB
AND ONE-FOURTH TO BENJAMIN GRUB, BOTH OF CHICAGO, ILLINOIS.

LEG-LIFTING-CASTER DEVICE.

1,021,773.

Specification of Letters Patent.

Patented Apr. 2, 1912.

Application filed February 25, 1911. Serial No. 610,729.

To all whom it may concern:

Be it known that I, ALBERT GRUB, a citizen of the United States, residing at 2108 West Twenty-second Place, Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in a Leg-Lifting-Caster Device, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

The purpose of this invention is to provide a table with an auxiliary set of wheels or rollers, upon which it may be conveniently moved across the floor when supporting a considerable weight.

It consists of the features and elements described and shown in the drawings, and as indicated in the claims.

In the drawings, Figure 1 is an elevation partly in section, of a table embodying this invention. Fig. 2 is a sectional plan view, section being made as indicated at line 2, 2 on Fig. 1. Fig. 3 is a detail section taken as indicated at line 3, 3 on Fig. 1.

As illustrated in the drawings, this invention is applied to a small table or stand intended as a support for a wash tub, but obviously could be adapted to many other forms of tables which it is desirable to move frequently without unloading them and in which the use of the ordinary form of caster, applied directly to the foot of the table leg, would render the table insufficiently steady for use in a stationary position.

The table or stool shown comprises the top 1, which is preferably though not necessarily, made circular in form rather than square and is shown supporting a wash tub "A". The legs 2, are secured to the top and are additionally braced by the underframing 3. A four-armed spider made up of a central casting 4, arms 5, and terminal castings 6, forms the auxiliary supporting frame to which are secured rollers or casters 7 of any familiar type. Preferably the arms 5 consist of two bars, each notched at the middle and let into each other to form a cross, the central casting 4, being slipped over the crossed bars at their intersection and bolted thereto through a bottom plate 8. It will be understood that the invention is not limited to this form of framing any suitably stiff construction being adaptable for the purpose. To the end of each arm 5, is bolted the terminal casting 6, having a

sleeve portion 6^a, dimensioned to receive the cylindrical lower end 2^a of the corresponding leg 2, and to serve as a guide for the said leg when the table is raised or lowered with respect to the spider or underframe by means hereinafter described.

Mounted upon each of one pair of diagonally opposite legs, there is shown a journal casting 9 carrying a rock shaft 10 to the middle of which is secured a bell crank 11. One arm 11^a of this bell crank carries a roller 12 in position to encounter the top surface of the casting 4; and the other arm consists of a hand lever 11^b.

The operation of this device is as follows: Supposing that the table is supported on its legs in a stationary position and it is desired to move it to another part of the room; for example, for emptying and refilling the tub, the hand lever 11^b is depressed from dotted line position shown in Fig. 1, to the full line position. The table is thus raised to a slight distance and its weight transferred from the lower ends of the legs 2, to the rollers 7 on the auxiliary frame. Since in this position, the weight of the table is borne by the frame at one point only, viz: at the point of contact between the roller 12 and the casting 4, it is found desirable to steady the table against rocking about this point and for this purpose each leg is provided at its lower end with a ring or flange 2^b, positioned for encounter with the lower end of the sleeve 6^a when the table is in elevated position. The return of the table to stationary position with the weight supported directly upon its legs is accomplished by merely raising the hand lever 11^b to its dotted line position indicated in Fig. 1; and to prevent such return from being accidentally accomplished by any slight upward movement of the hand lever, the lower limiting position of such lever is so determined by a stop pin 13 as to bring the roller 12 somewhat beyond the center of the casting 4 so that it will be automatically biased to this position by the weight of the table and so that the said weight must be slightly raised before the roller can be moved past this center point and the table lowered to its original position.

I claim:—

1. A stand comprising two members, one member comprising a top and rigid legs, and the other member having supporting

rollers and guides for the legs of the first member, and means on one member operable against the other for moving the two members apart.

- 5 2. A stand comprising two members, one member having a top and rigid legs and the other member having supporting rollers and guides for the legs of the first member; means on one member operating against the
10 other to separate the two members, and stops on the legs of the first member positioned to encounter the guides of the second member at the limit of separation of the two members.
15 3. A stand comprising two members, one member having a top and rigid legs and

the other member having supporting rollers and being mounted for movement toward and from the first member; a rock shaft mounted upon the legs of the first member, 20 and a bell crank on the rock shaft having one of its arms positioned for operating against the second member for separating the two members, and having its other arm extending to serve as an operating handle. 25

In testimony whereof, I have hereunto set my hand at Chicago, Illinois, this 23d day of February, 1911.

ALBERT GRUB.

Witnesses:

ROBT. N. BURTON,
LUCY I. STONE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."