No. 875,245. PATENTED DEC. 31, 1907.

A. DARROW.

BASE OF COOK STOVES.

APPLICATION FILED AUG. 28, 1907.

2 SHEETS—SHEET 1.

Fig. 2.

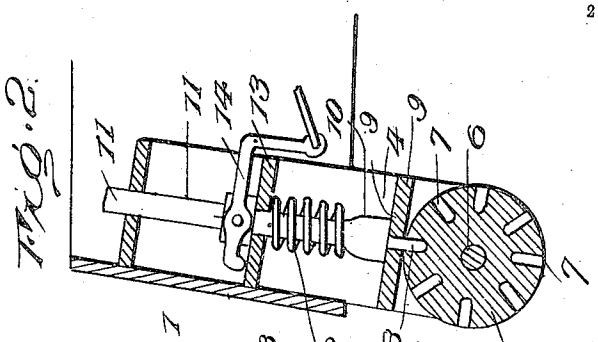
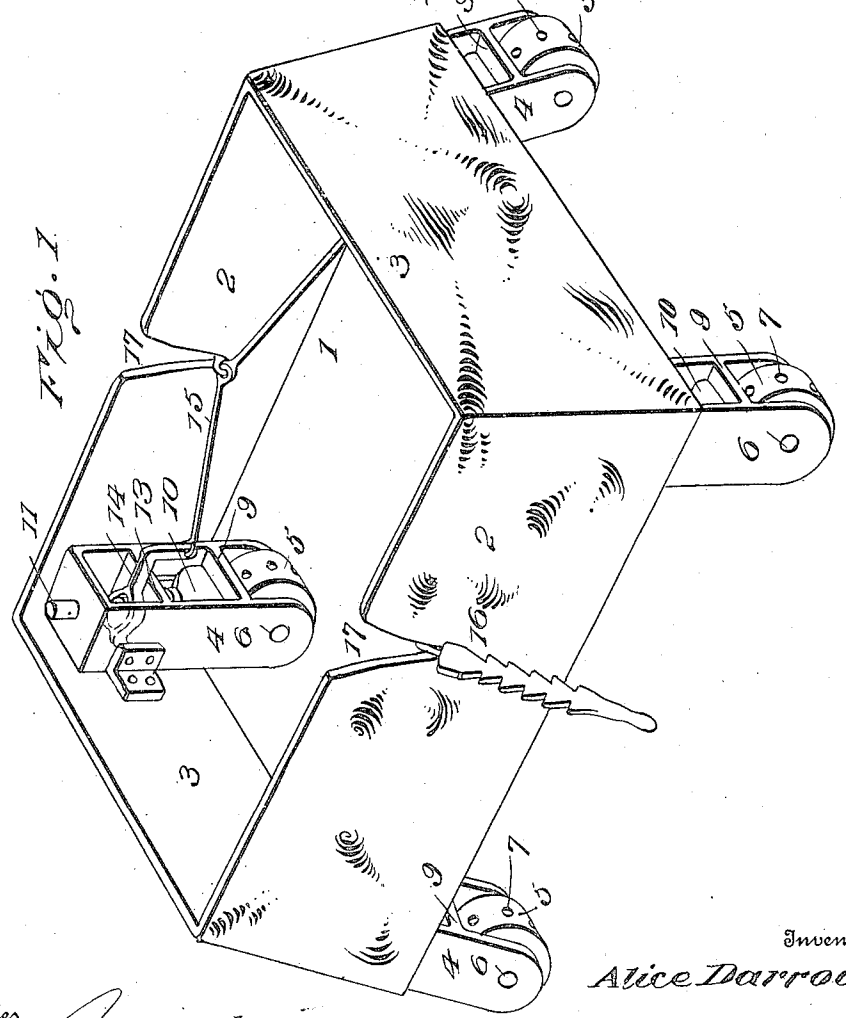


Fig. 1.



Witnesses

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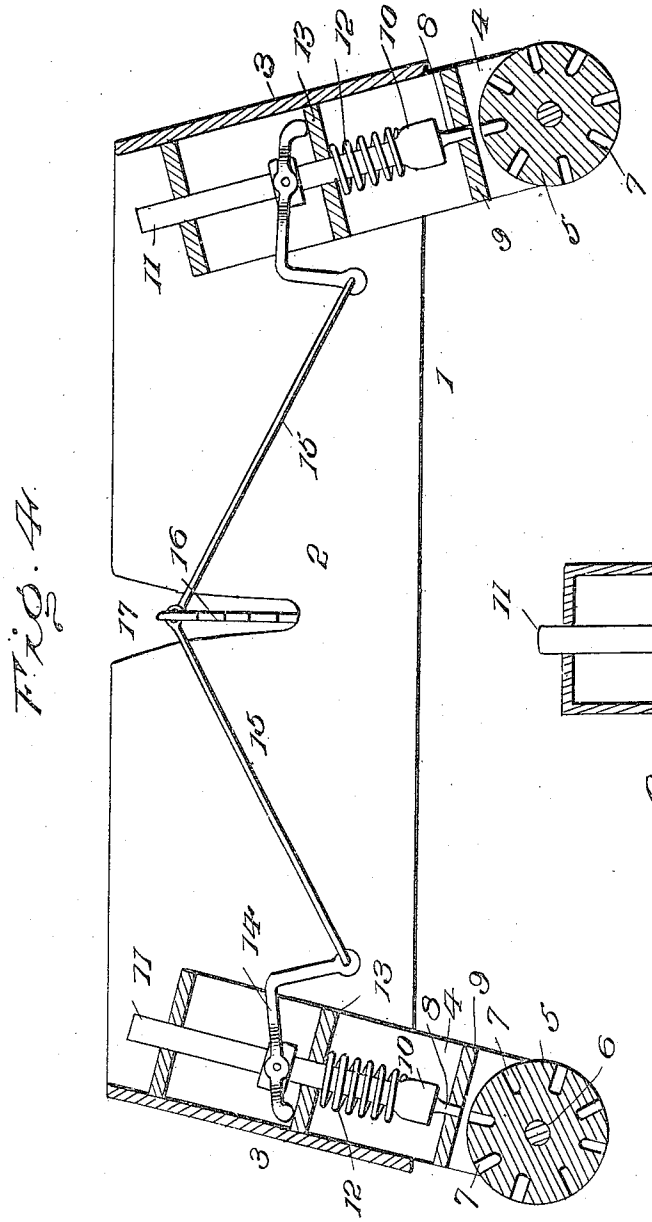


Fig. 4.

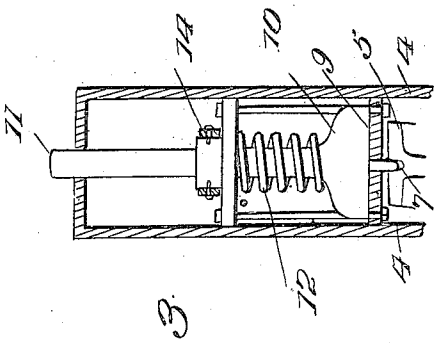


Fig. 3.

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UNITED STATES PATENT OFFICE.

ALICE DARROW, OF SIMPSON, KANSAS.

BASE OF COOK-STOVES.

No. 875,245. Specification of Letters Patent. Patented Dec. 31, 1907.

Application filed August 28, 1907. Serial No. 390,562.

To all whom it may concern:

Be it known that I, ALICE DARROW, citizen of the United States, residing at Simpson, in the county of Mitchell and State of Kansas, have invented certain new and useful Improvements in Bases of Cook-Stoves, of which the following is a specification.

This invention has for its object a simple, durable and efficient construction of stove casters arranged in the base of a stove and so constructed that the casters may be held from turning in order to hold the stove in a perfectly rigid or stable condition on the floor, and capable of being easily released from locked position, so that the stove may be moved along the floor whenever desired.

With this and other objects in view, as will more fully appear as the description proceeds, the invention consists in certain constructions, arrangements and conditions of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of my invention. Fig. 2 is a detail transverse section of one of the legs. Fig. 3 is a similar view at right angles to Fig. 2. Fig. 4 is a vertical section taken through the base, showing the casters in unlocked position.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawings, the numeral 1 designates the base of a stove equipped with the improved casters of my invention, said base embodying two sides 2 and ends 3. At the corners of the frame-like base 1 are the bifurcated legs 4, which project downwardly from the base and in which are journaled roller casters 5, mounted upon the shafts or spindles 6. Each caster 5 is formed in its periphery with a circumferentially extending series of notches 7, into any one of which a locking pin 8 is designed to enter, whereby to hold the casters from rotation. The pin 8 projects downwardly through the cross bar 9 secured within the lower ends of the legs 4, and is carried by and projects downwardly from the block or head 10 formed on the lower end of a vertically extending stem 11. A coil spring 12 encircles each stem 11 and bears against the head 10 and against an upper cross bar 13, so as to have a tendency to move the stem and head downwardly in a direction to cause the pin 8 to enter the notches 7.

In order to retract the pins 8 from the notches of the roller casters 5, a fork 14 is fulcrumed intermediate of its ends on the upper end of the respective stems 11, the members of the fork embracing a preferably stationary collar or the like formed on the stem, and the ends of said forks are adapted to bear upon the upper surfaces of the respective upper cross bars 13, so that when the rear ends of the forks are pulled upwardly, they will cause the upward movement of the stem to take place.

Opposite forks 14 are connected together for simultaneous actuation by means of the link rods 15, said rods being connected together at their adjoining ends and operatively attached to front and rear operating levers 16 that are notched, as shown, and that are adapted to extend outwardly through slots 17 formed in the front and rear sides of the base 1.

From the foregoing description in connection with the accompanying drawings, the operation of my improved locking caster will be obvious. Whenever the operating levers 16 are pulled upwardly or rocked in the bottoms of the slots 17 in a direction to pull upwardly upon the link rods 15, it is manifest that the forks 14 will be rocked and cause the stems 11 to move upwardly so as to disengage the locking pins 8 from the roller casters 5.

Having thus described the invention, what is claimed as new is:

1. A stove base, legs projecting downwardly from said base and secured thereto, roller casters journaled in the lower ends of said legs and provided with notched peripheries, locking pins adapted to enter the notches of said casters, stems having a vertical movement in the respective legs and carrying said pins, said stems being spring pressed downwardly, and means for moving said stems upwardly so as to carry the pins out of engagement with the casters.

2. A stove base, bifurcated legs secured thereto and projecting below the base, roller casters journaled in the lower ends of said legs and provided in their peripheries with notches, cross bars secured within the respective legs above the casters, stems mounted to move vertically within the legs

and spring pressed in a downward direction, pins projecting from the respective stems and adapted to extend through the cross bars into engagement with the notches of the casters, forks pivotally connected to said stems to raise the same, supports for said forks, and means for rocking said forks on their supports.

3. A base for stoves, provided with bifurcated legs, roller casters journaled in said legs, vertically movable stems mounted in said legs and provided with locking devices arranged to engage the casters to hold the same stationary, means for raising the stems out of engagement with the casters, link rods connected to the raising means of opposite stems, and operating levers operatively connected to the adjoining ends of the link rods.

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

ALICE DARROW. [L. S.]

Witnesses:

CHAS. W. BUELL,

FRANK C. BROWN.