F. ARNETT.

CASTER FOR CHAIRS.

APPLICATION FILED JULY 1, 1915.

1,249,882.

Patented Dec. 11, 1917.

2 SHEETS—SHEET 1.

Fig. 1.

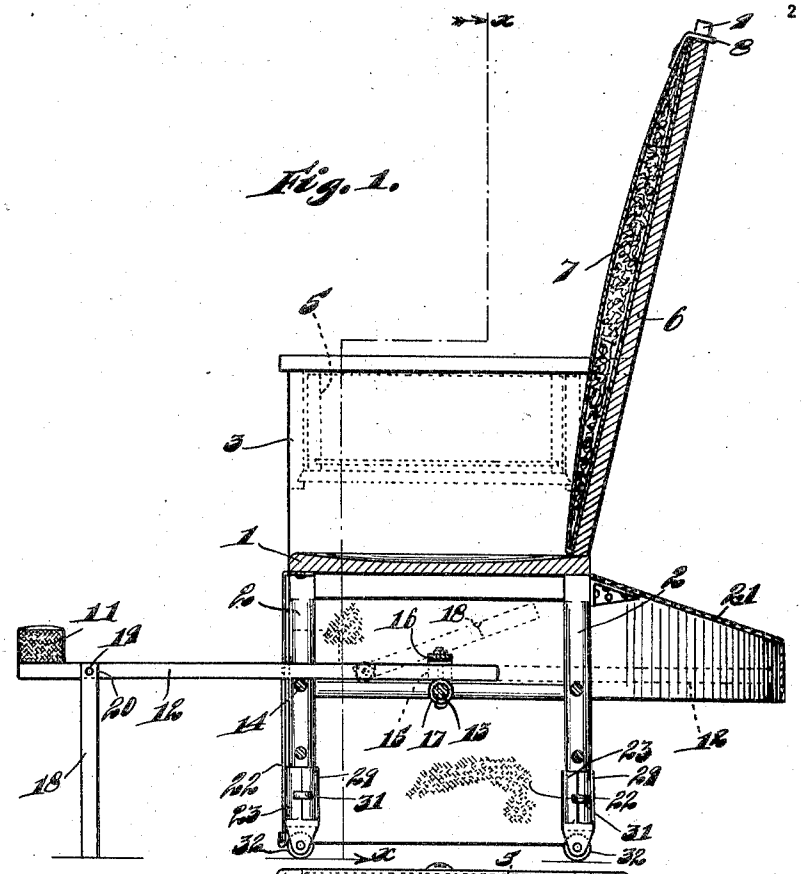
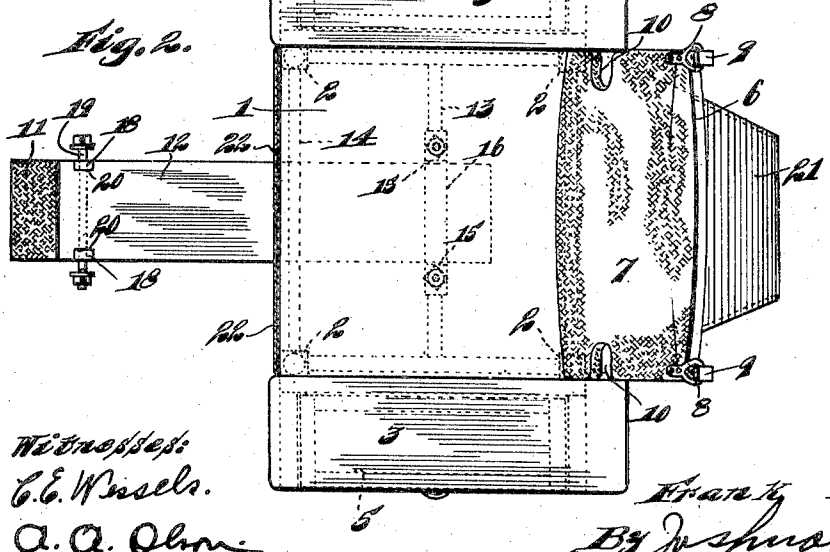


Fig. 2.



Witnesses:
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A. A. Olson.

Inventor:
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2 SHEETS—SHEET 2.

Fig. 3.

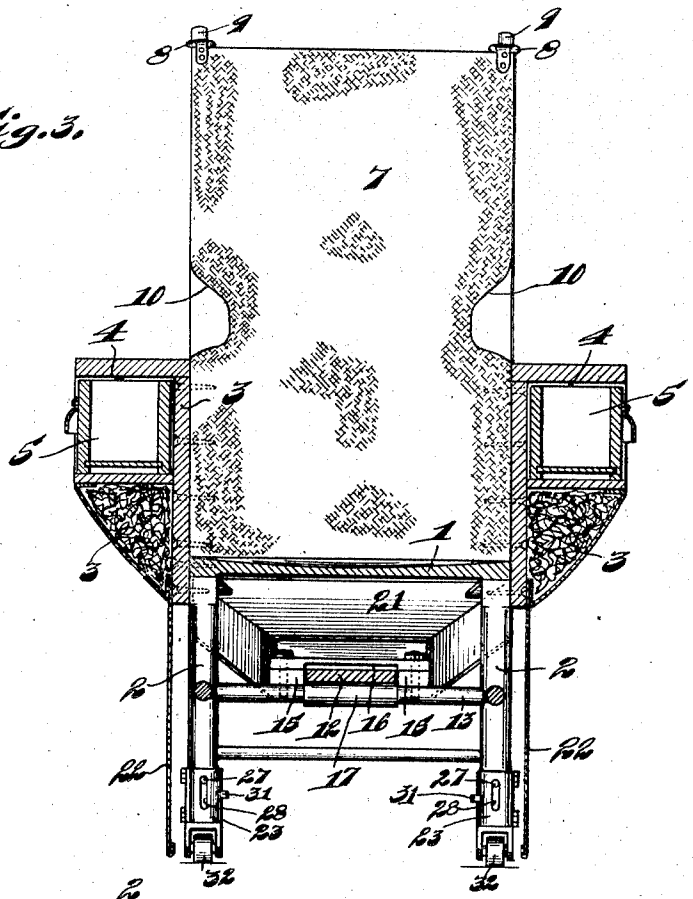


Fig. 4.

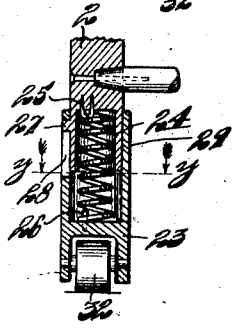
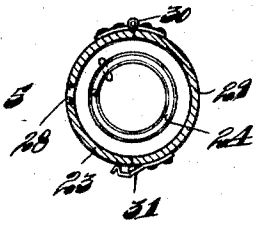


Fig. 5



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UNITED STATES PATENT OFFICE.

FRANK ARNETT, OF CHICAGO, ILLINOIS.

CASTER FOR CHAIRS.

1,249,882. Specification of Letters Patent. **Patented Dec. 11, 1917.**

Application filed July 1, 1915. Serial No. 37,487.

To all whom it may concern:

Be it known that I, FRANK ARNETT, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Casters for Chairs, of which the following is a specification.

My invention relates to improvements in chairs, and particularly to casters.

The object of my invention is to provide an improved caster for chairs which shall constitute a cushioning element for the same. A further object of my invention is to provide a caster as mentioned which may be readily applied to the leg of a chair and of such construction that access may be readily had to the interior thereof for the purpose of repair. A further object of my invention is to provide a device as mentioned which will not weaken the leg of a chair by application thereto.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is a substantially central vertical section of a chair embodying the invention,

Fig. 2 is a top plan view of the chair,

Fig. 3 is a section taken on line *x*—*x* of Fig. 1,

Fig. 4 is an enlarged detail central section of the lower end portion of one of the legs of the chair, and

Fig. 5 is an enlarged section taken on line *y*—*y* of Fig. 4.

Referring to the drawings 2 indicates the leg of a chair, the detail construction of said chair forming no part of the present application, the same being covered in a divisional application.

Arranged at the lower end of each of the legs 2 is a cup 23 which loosely embraces the leg, a helical compression spring 24 being interposed between the bottom of the cup and the under surface of the leg, as shown in Fig. 4. The under side of each leg is recessed, as shown, in order to accommodate the upper end portion of the corresponding spring. Securing devices 25 and 26 coöperate with the respective ends of each spring for fastening the same to the corresponding leg and cup 23. Projecting laterally from each leg adjacent the lower end thereof is a lug or pin 27 which loosely engages in a vertically extending elongated slot 28 provided in the side of the corresponding cup for limiting relative vertical movement thereof. With this arrangement, it will be seen that the chair in reality is supported by the springs 24, which of course, results in a yielding support for the chair, hence conducing to the ease and comfort of the occupant.

One side 29 of each cup 23 is hinged as at 30, as shown in Fig. 5, so as to permit of ready access being gained to the interior of the cup for attachment or adjustment of the spring or for any other reason. A spring latch 31 coöperates with each of the cup members 29 for holding the same in closed or operative position. Mounted at the under side of each cup 29 is a roller or caster 32.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. A chair leg comprising a body; a cup inclosing the lower end of said body and vertically movable thereon; and a compression spring interposed between the bottom of said cup and the under surface of said body, the under side of said body being recessed for the reception of the upper end portion of said spring, substantially as described.

2. A chair leg comprising a body; a cup inclosing the lower end of said body and vertically movable thereon; and a compression spring interposed between the bottom of said cup and the under surface of said body, one side of said cup being hingedly mounted to permit of access being gained to the interior of said cup, substantially as described.

3. A chair leg comprising a body; a cup inclosing the lower end of said body and vertically movable thereon; a compression

spring interposed between the bottom of said cup and the under surface of said body, one side of said cup being hingedly mounted to permit of access being gained to the interior of said cup; and a detent for releasably locking said side of the cup in closed position, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANK ARNETT.

Witnesses:

JOSHUA R. H. POTTS,

B. G. RICHARDS.

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