No. 734,919. PATENTED JULY 28, 1903.

F. A. MAST.

TRUCK FOR STOOLS OR CHAIRS.

APPLICATION FILED AUG. 29, 1902.

NO MODEL.

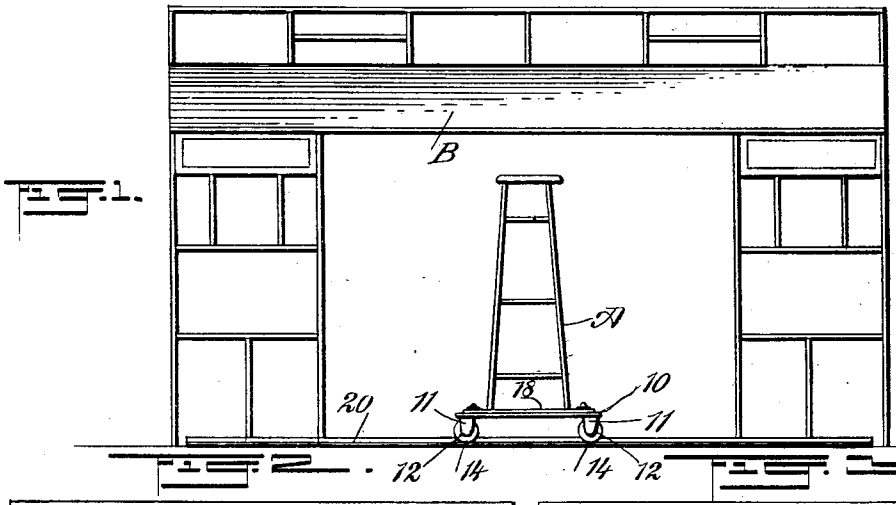
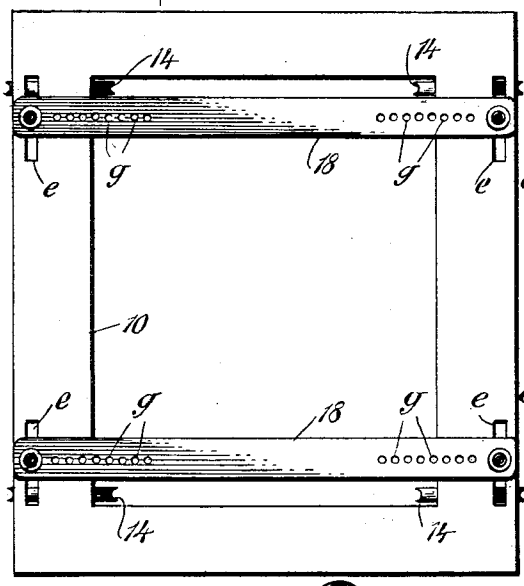


FIG. 1.

FIG. 2.



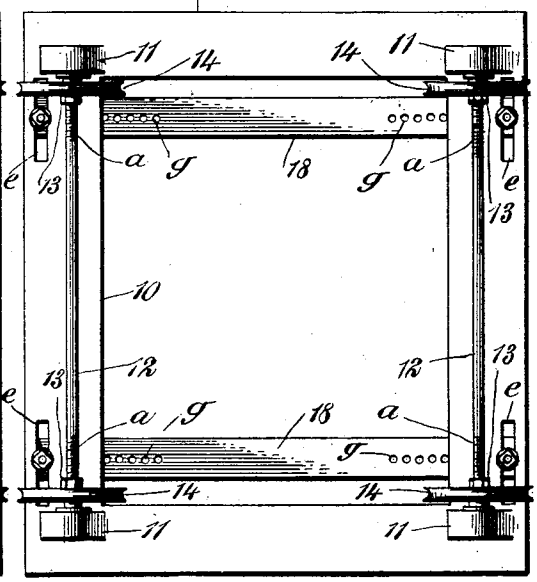
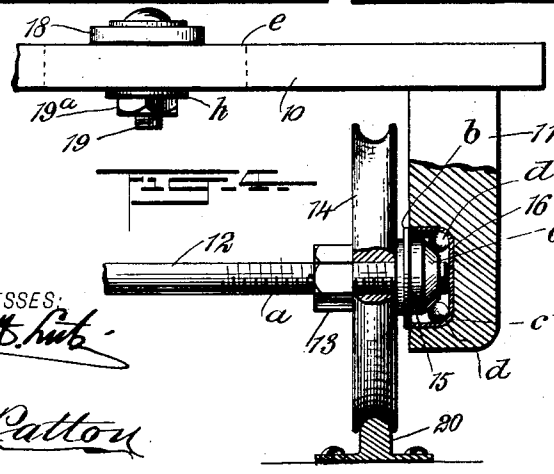


FIG. 3.



WITNESSES:

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No. 734,919. Patented July 28, 1903.

UNITED STATES PATENT OFFICE.

FRANK ALBERT MAST, OF DAVENPORT, IOWA.

TRUCK FOR STOOLS OR CHAIRS.

SPECIFICATION forming part of Letters Patent No. 734,919, dated July 28, 1903.

Application filed August 29, 1902. Serial No. 121,477. (No model.)

To all whom it may concern:

Be it known that I, FRANK ALBERT MAST, a citizen of the United States, and a resident of Davenport, in the county of Scott and State of Iowa, have invented a new and Improved Truck for Stools or Chairs, of which the following is a full, clear, and exact description.

This invention has for its object to provide a four-wheeled truck of novel, simple, and durable construction that may be conveniently attached upon the legs of a chair or a stool and afford means for the easy and non-laborious propulsion of the seat in either direction laterally in front of a long desk, thus enabling an accountant to quickly obtain access to any of a number of heavy books arranged in sequence on the desk, thus saving time and labor while conducting an examination and entry of accounts in a number of large books.

The invention consists in the novel construction and combination of parts, as is hereinafter described, and defined in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the improvement applied for the support of a stool at the front of a long desk. Fig. 2 is an enlarged plan view of the wheeled attachment removed from the seat. Fig. 3 is a reversed plan view of the same; and Fig. 4 is a fragmentary elevation of a corner of the truck, the frame being partly in section, showing a ball-bearing for the support of an end of the axle that supports the frame, a grooved wheel on said axle, and a track-rail whereon the wheel is seated.

The truck-frame, whereon a stool or chair A is to be mounted, is formed of wood or metal and comprises a flat rectangular structure 10, having four similar bracket-arms 11, secured, respectively, at the corners of the frame and depending therefrom to be engaged by ends of the pair of axles 12.

The novel means employed for a rotatable connection and support of each end of each axle 12 consists of the following details:

The body of the axle for a suitable distance at each end is threaded, as indicated at *a* in Fig. 4, and a nut 13 is screwed upon said thread. A grooved truck-wheel 14, having a central threaded hole therein, is next screwed upon each threaded portion of each axle and is held thereon at a proper point by a jam-nut 13 and a collar 15. The collars 15 are respectively screwed upon the threaded ends of each axle and have enforced contact with the outer side of a respective wheel 14.

In a cavity formed in the inner side of each bracket-arm 11 near its lower end a ball-bearing cup 16 is introduced and secured.

A radial flange *b* is formed on each collar 15 and loosely contacts with the edge of a corresponding cup 16, the relative position of each radial flange permitting an outer portion of a respective collar 15 to enter the cup a suitable distance. The corner of the entering end of each collar 15 is removed to form a bevel thereon, and between said bevel formation *c* on each collar and the rounded corner *c'* on a coacting cup 16 bearing-balls *d* are introduced and loosely held.

The rectangular frame 10, near each corner thereof, is slotted, these similar slots *e* being alined in pairs and formed in opposite parallel members of the frame, as clearly shown in Figs. 2 and 3.

Two similar keeper-bars 18 are provided, consisting of flat strips of suitable material having an equal length that conforms with the width between the outer edges of the slotted members of the truck-frame 10. In each keeper-bar a series of spaced perforations *g* is formed near each end thereof, these perforations being provided to receive the lower ends of the legs of a chair or stool, such as A. (Shown in Fig. 1.) The keeper-bars 18 are secured at their extremities upon the upper side of the truck-frame 10 by screw-bolts 19 and nuts 19^a thereon, these bolts passing through holes in the keeper-bars near their ends and thence through respective slots *e*, a washer *h* being placed on the lower end of each bolt before the nut therefor is screwed up, so as to clamp the keeper-bar at a desired point on the truck-frame.

It will be seen that the plurality of spaced perforations *g* near each end of each keeper-bar 18 will be adapted to receive the legs of chairs or stools which may vary in width between each pair of legs and that the provision

of the slot-and-bolt connections between the keeper-bars and the truck-frame enable the adjustment of said bars, so as to compensate for varying spaces between the front and rear legs of a chair or stool, so that the improved truck may be readily adjusted to receive the legs of a chair or stool without being specially constructed for a particular seat of the kind.

In arranging the device for service a pair of track-rails 20, one being shown in Figs. 1 and 4, are secured parallel with each other and with the desk B in front of the latter, and the truck-wheels 14 are placed upon the track-rails, so that the stool or chair A will be supported upright at a proper distance in front of the desk for the accommodation of an accountant who works at the desk.

As the truck is provided with ball-bearings to support the axles, it will be seen that but a slight exertion is required to transfer the stool along the desk in either direction to enable the occupant of the stool to have access to any of a number of heavy books that may be placed in sequence on the desk.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A structure of the character described, comprising a substantially rectangular wheeled frame, and duplicate parallel members supported upon parallel portions of the frame, each member provided near each end thereof with means for receiving the end of a leg of a stool or chair, and means for adjusting said members toward and away from each other.

2. A stool or chair supporting truck, comprising a wheeled frame, and keeper-bars adjustably mounted on the frame, said bars each having a plurality of perforations therein for the reception of the legs of a stool or chair.

3. A stool or chair supporting truck, comprising a frame having rectangular form, axles, wheels on the axles for movably supporting the frame, two opposite members of the frame having slots therein near the corners of the frame, and keeper-bars securable on the frame by bolts that pass therethrough and through the slots in the frame, each keeper-bar having perforations therein for the reception of the ends of the legs of a stool or chair.

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

FRANK ALBERT MAST.

Witnesses:
JAMES D. MASON,
S. H. MAST.