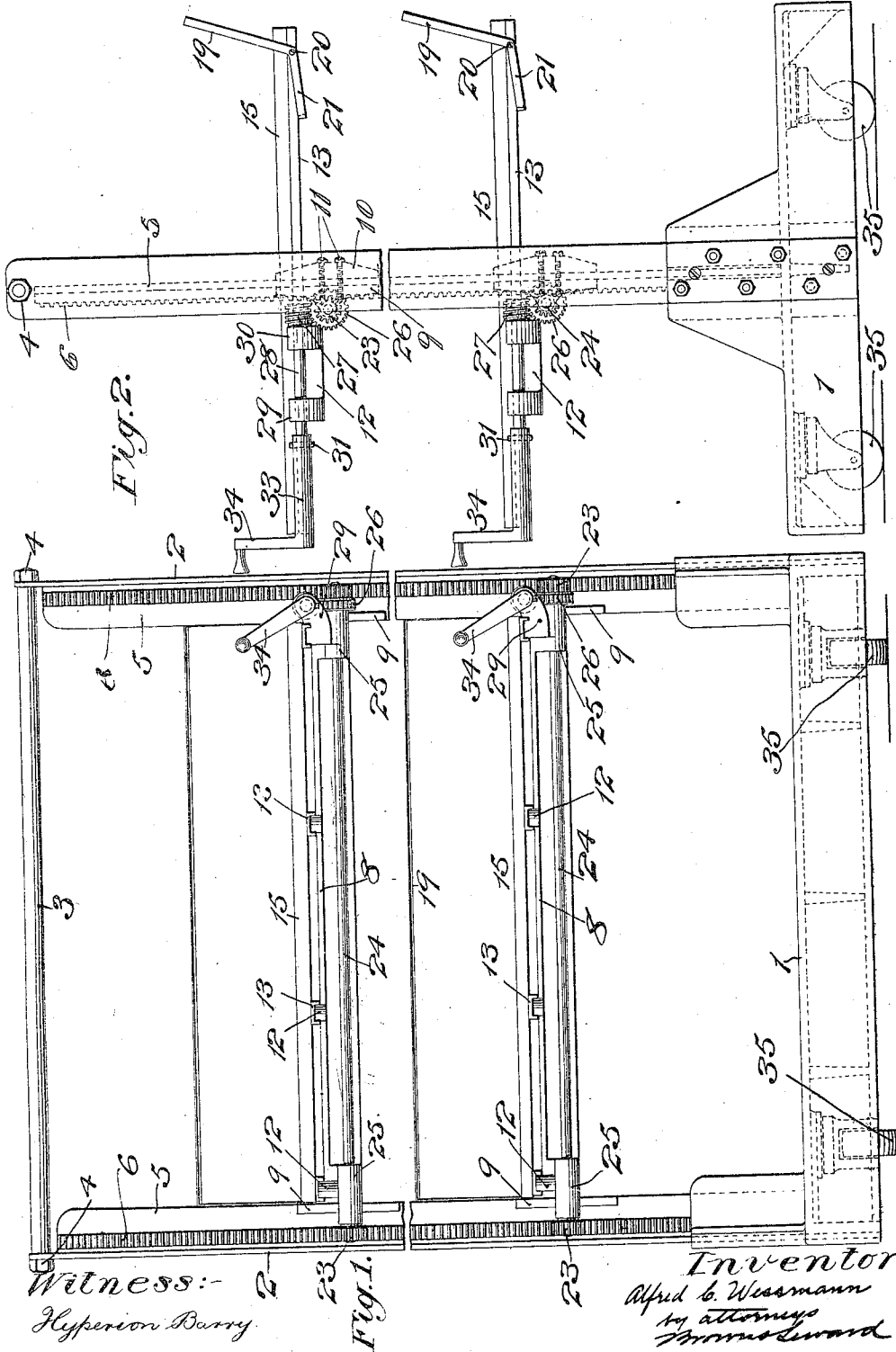


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 RACK FOR BOOK COVERS AND THE LIKE.
 APPLICATION FILED DEC. 29, 1915.

Patented Mar. 18, 1919.
 3 SHEETS—SHEET 1.

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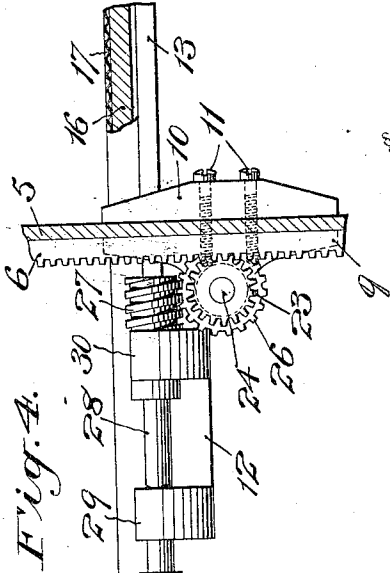


Fig. 4.

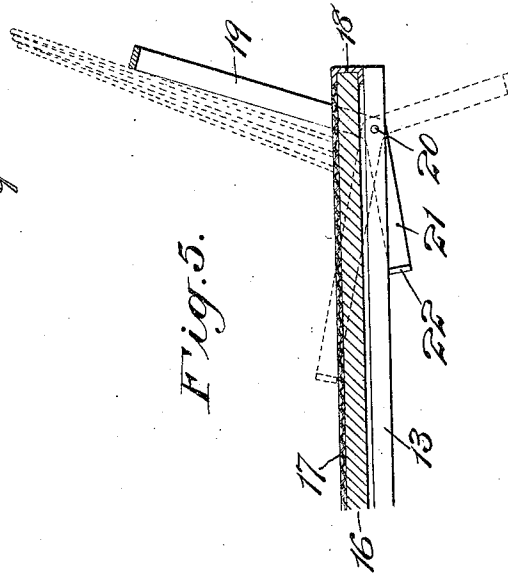


Fig. 5.

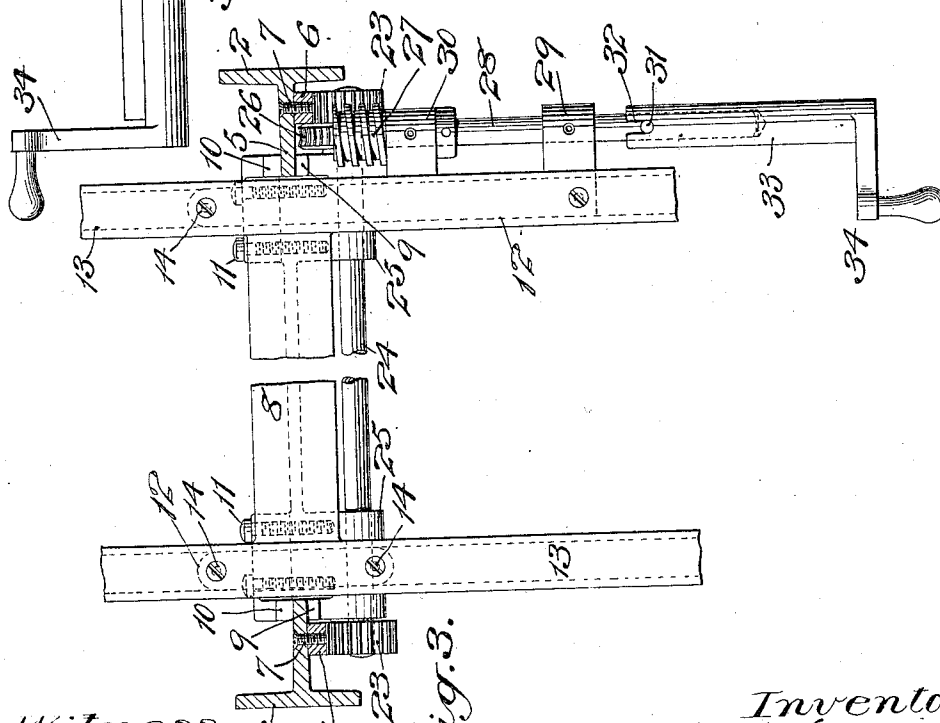


Fig. 3.

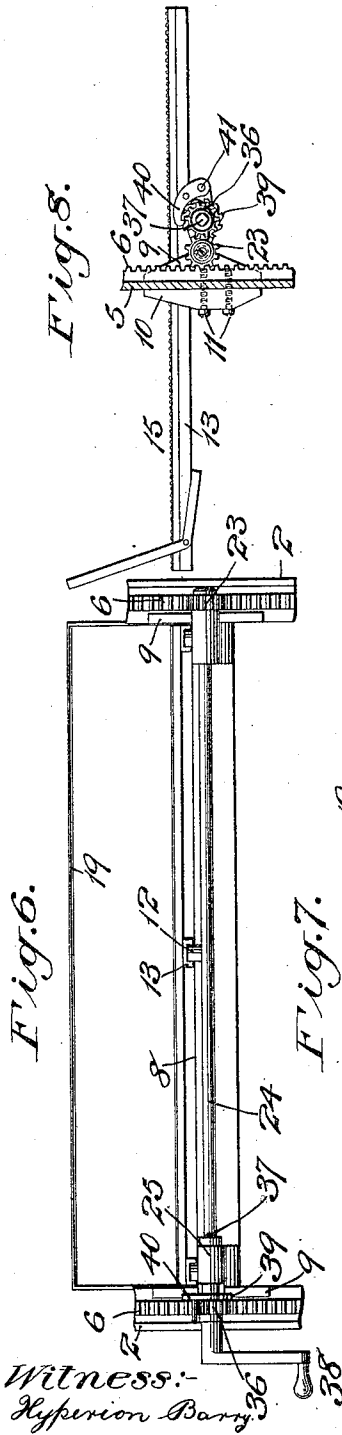
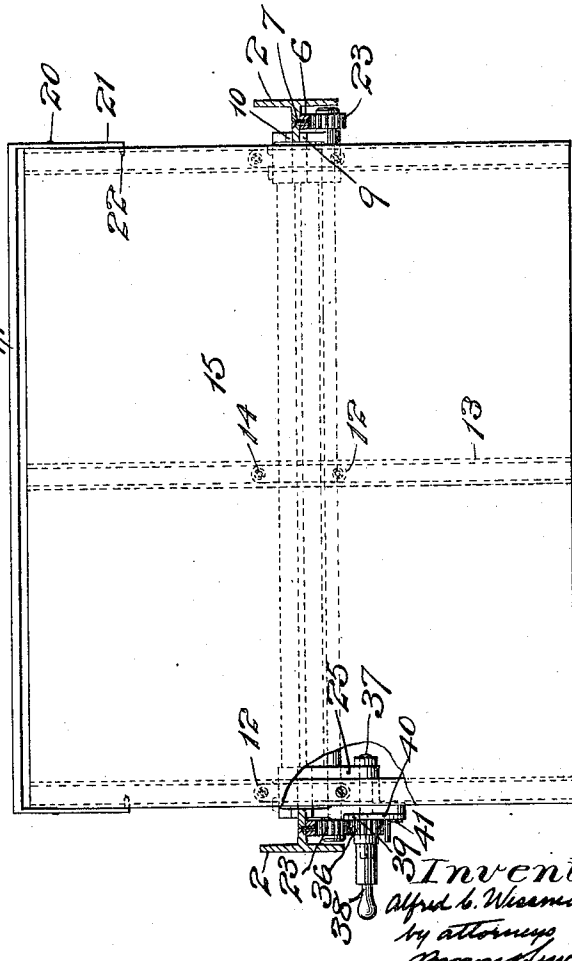
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UNITED STATES PATENT OFFICE.

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RACK FOR BOOK-COVERS AND THE LIKE.

1,297,619.

Specification of Letters Patent.

Patented Mar. 18, 1919.

Application filed December 29, 1915. Serial No. 69,204.

To all whom it may concern:

Be it known that I, ALFRED C. WESSMANN, a citizen of the United States, and resident of the borough of Queens, in the city and State of New York, have invented a new and useful Improvement in Racks for Book-Covers and the like, of which the following is a specification.

This invention relates to an improvement in racks for book covers and the like, with the object in view of providing a device which is capable of holding a large quantity of book covers standing upright on their ends on trays arranged one above the other, for the purpose of being dried, after which they may be easily transported for further manipulation.

Another object is to provide a device which comprises a plurality of tray frames having trays thereon, which tray frames may be independently adjusted vertically in the frame, so as to accommodate covers of different heights between and on the trays, as well as to bring each tray within the reach of the operator at the desired time.

Another object is to provide certain improvements in the form, construction and arrangement of the various parts whereby the above mentioned objects may be carried out.

A practical embodiment of my invention is represented in the accompanying drawings, in which,

Figure 1 represents a front elevation of the rack,

Fig. 2 represents a side elevation of the same,

Fig. 3 represents a detail horizontal section on an enlarged scale, the tray being removed to show the tray frame below,

Fig. 4 represents a side elevation of the same, partly in section,

Fig. 5 represents a detail central section taken through the back end of a tray, showing one of its supports and the article supporting means,

Fig. 6 represents a detail front elevation of a modified form of a means for raising and lowering the tray frames,

Fig. 7 represents a plan view of the same, and

Fig. 8 represents a side elevation of the same partly in section.

The device comprises a truck having a horizontal rectangular base or platform, de-

noted by 1, and uprights 2, uprising from the base upon opposite sides, which uprights are spaced apart by a rod 3 held by nuts 4 threaded thereon.

The uprights 2 are T-shaped in cross section and arranged on the base with the central webs 5 turned inwardly.

A rack 6 is secured to each of the webs 5, by means of screws 7, as shown in Fig. 3, and extend throughout their length. A plurality of tray frames 8 are mounted to slide vertically between the bars 2, and each frame is provided with guides 9, 10, arranged in position to engage each of the webs 5, upon opposite sides to prevent any lateral movement. The guides 10 are secured to the tray frame 8 by means of screws 11. The tray frame 8 is also provided with arms 12 extending laterally therefrom, to which arms channel bars 13 are fastened by screws 14. The channel bars 13 serve to removably support a tray 15 in position between the uprights 2.

The tray may be formed of a thin board 16 having a corrugated top 17, the edges of which board are bound with channel iron 18, which tends to stiffen the tray.

A swinging rest 19 is pivoted at 20 to the back end of the outside channel bars 13, and provided with depending arms 21 having their free ends turned inwardly to form stops 22 which are arranged to engage the lower edges of the channel bars 13. The rest 19 may be swung downwardly, as shown in dotted lines in Fig. 5, when not in use.

The tray frame with its tray 15 is arranged to be independently raised and lowered by means of pinions 23 fixed on a cross shaft 24 mounted in lugs 25 extending from the tray frame, which pinions are adapted to coast with the racks 6 secured to the uprights 2. The shaft 24 is also provided with a worm wheel 26 which is arranged to be rotated by a worm 27 fast on one end of a shaft 28, mounted in brackets 29, 30, extending from one of the lugs 25. The other end of the shaft 28 projects a slight distance beyond the arm 29, and has a pin 31 passing therethrough, so as to be engaged by a slot 32 in the hub 33 of a crank 34. Thus it will be seen that as the crank 34 is rotated, motion will be transmitted to the shaft 24 through the worm 27 and worm wheel 26, rotating the pinions 23 which coast with the racks 6 fast on the uprights 2, thereby rais-

ing or lowering the tray frame according to the direction of rotation of the crank 34.

The base 1 is provided with rollers 35 situated at or near the corners for the purpose of transporting the device from place to place.

In Figs. 6 to 8 inclusive, I have shown a modified form of mechanism for raising and lowering the tray frame, in which a pinion 36 fast on a shaft 37 is journaled in the lugs 25 and has its outer end squared for the reception of a crank 38.

The shaft 37 is also provided with a ratchet wheel 39 which is engaged by a gravity operated pawl 40, pivoted at 41 to an extension of the lug 25, which holds the pinions 23 and 36 locked against any downward movement of the tray frame.

It is evident that various changes may be resorted to in the form, construction and arrangement of the several parts without departing from the spirit and scope of my invention, and hence I do not wish to limit myself to the structure herein set forth, but

What I claim is:

1. A device of the character described comprising a truck having a base, a T shaped upright mounted centrally on each of two opposite sides of said base, said uprights having their longitudinal webs inwardly disposed, a rack secured to each of said webs, a series of frames mounted to slide vertically between the webs, arms extending laterally from said frames, a shaft having pinions fixed thereon carried by the frames in position for the pinions to coact with the racks, trays carried by the arms on the frames and a manually operated means for independently rotating each shaft and

its pinions to raise or lower its frame and tray.

2. A device of the character described comprising a truck having a base, a T shaped upright mounted centrally on each of two opposite sides of said base, said uprights having their longitudinal webs inwardly disposed, a rack secured to each of said webs, a series of frames having vertically arranged guides adapted to engage opposite sides of each web, arms extending laterally from said frames, a shaft having pinions fixed thereon carried by the frames in position for the pinions to coact with the racks, trays carried by the arms on the frames and a manually operated means for independently rotating each shaft and its pinions to raise or lower its frame and tray.

3. A device of the character described comprising a truck having a base, a T shaped upright mounted centrally on each of two opposite sides of said base, said uprights having their longitudinal webs inwardly disposed, a rack secured to each of said webs, a series of frames having vertically arranged elongated guides adapted to engage opposite sides of each web, arms extending laterally from said frames, a shaft having pinions fixed thereon carried by the frames in position for the pinions to coact with the racks, trays removably carried by the arms on the frames and a manually operated means for independently rotating each shaft and its pinions to raise and lower its frame and tray.

In testimony, that I claim the foregoing as my invention, I have signed my name this seventh day of December, 1915.

ALFRED C. WESSMANN.

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