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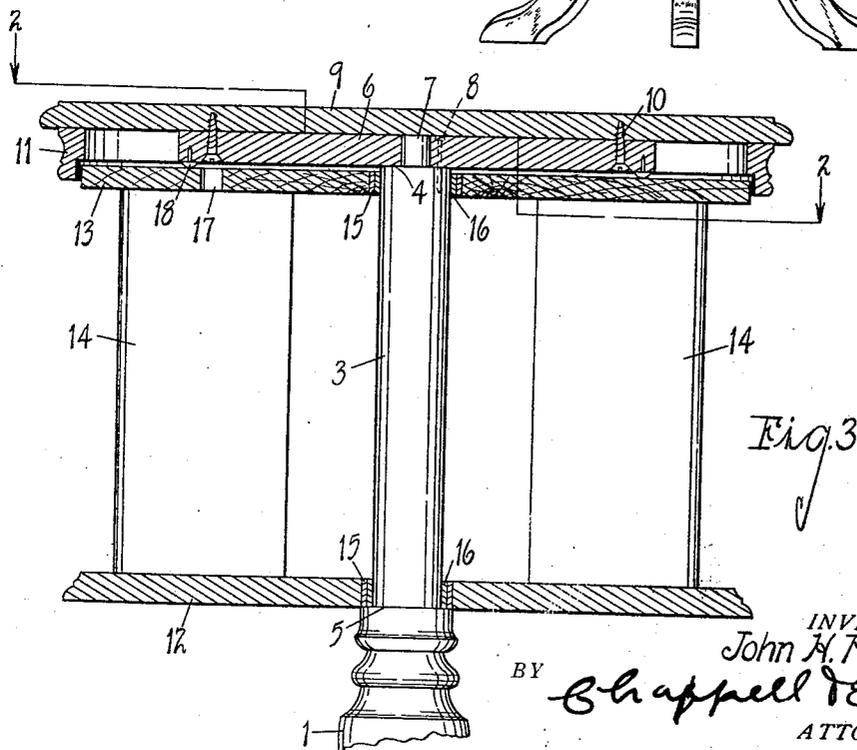
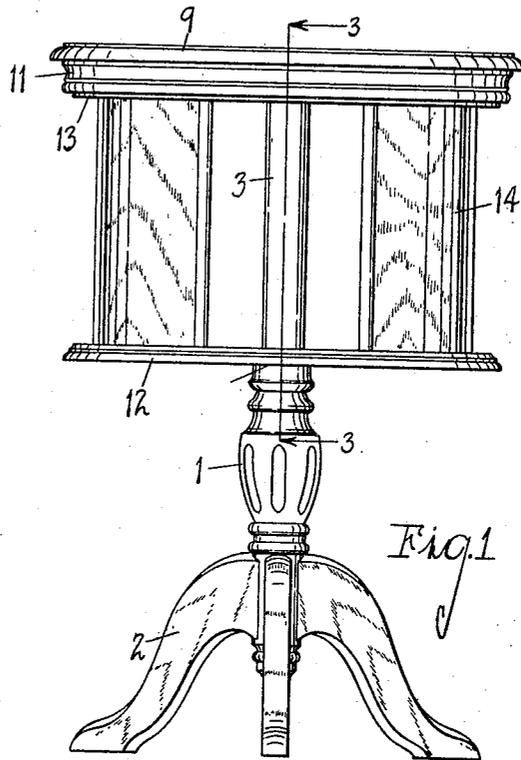
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1,892,408

COMBINED BOOK TABLE AND RACK

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2 Sheets-Sheet 1



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# UNITED STATES PATENT OFFICE

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## COMBINED BOOK TABLE AND RACK

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The main object of this invention is to provide a combined book table and rack which is compact, attractive in appearance, and at the same time of sturdy and economical construction.

Objects pertaining to details and economies of my invention will definitely appear from the description to follow. The invention is defined in the claims.

A structure embodying the features of my invention is clearly illustrated in the accompanying drawings, in which:

Fig. 1 is a side elevation of my improved combined table and rack.

Fig. 2 is a plan view partially broken away and partially in section on line 2—2 of Fig. 3.

Fig. 3 is a detail view mainly in vertical section on line 3—3 of Figs. 1 and 2.

Fig. 4 is a fragmentary section corresponding to that of Fig. 3 of a modified form or embodiment of my invention.

In the embodiment of my invention illustrated I provide a pedestal 1 having diverging legs 2 at its lower end. The pedestal carries an upright spindle 3 having a shoulder 4 at its upper end. I provide a shoulder 5 at the lower end of the spindle. The spindle and pedestal may be turned from a single piece of wood, the spindle in practice being of wood.

On the upper end of the spindle I mount a top supporting plate 6 having a central bore to receive the reduced portion 7 of the spindle, the plate resting upon the shoulder 4 at the upper end of the spindle and being fixedly secured by means of the nail shown by dotted lines at 8, Fig. 3. The table top 9 is secured to this top supporting plate by means of screws 10 manipulated from the under side of the plate. These screws are arranged through the plate and extend into the top. The top is provided with an annular rim 11.

Below the top I mount a revolving rack consisting of a shelf 12, a disk-like top member 13 and segmental risers or upright spacing members 14 connected to the shelf and to the top member 13. The shelf is in supporting engagement with the shoulder 5 of the spindle.

The shelf and top member have bearing

openings therein provided with metal bushings 15 which coact with the annular metal bearing members 16 on the spindle. These bearing members 16 are preferably a close fit so that they do not rotate on the spindle and are supported in proper position to coact with the bushings. This provides a metal to metal bearing which insures a good wearing surface and is less likely to cause noise than a wood to wood bearing.

The rim 11 overhangs the top member of the shelf providing an attractive finish for the structure.

The top member of the rack is provided with an opening 17 which may be brought into alinement with the screws 10 by rotating the rack so that in assembling the rack is first placed upon the spindle, the top supporting plate then secured to the spindle, and the table top secured to the top supporting plate. This not only conceals the fastenings but permits very rapid assembly, and the top is rigidly supported so that it is capable of carrying substantial loads.

In the embodiment illustrated I preferably provide the round-headed thrust members 18 which are driven into the under side of the top supporting plate to coact with the rack top member, thereby reducing friction should a lifting stress be applied to the rack in rotating it.

In the modification shown in Fig. 4 the top supporting plate 19 is in the form of a disk, the top member 20 of the rack having a bearing opening 21 of such dimensions as to receive this disk. The bearing opening 21 is provided with a bushing 22 coacting with an annular bearing 23 on the periphery of the disk 19. In this embodiment the thrust bearing members 18 are driven directly into the under side of the table top 24 which is secured to the top supporting plate or disk 19 by the screws 10.

My improved combined table and rack is very attractive in appearance, is economical to produce, and at the same time is strong and rigid.

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

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1. A combined table and rack comprising a pedestal provided with an upright spindle shouldered at its upper end, there being a shoulder at the lower end of the spindle, a top supporting plate fixedly mounted on the upper end of said spindle in supporting engagement with the said shoulder thereof, a table top secured to said top supporting plate by fastenings manipulated from the under side thereof, said top having an annular rim, a rack comprising a shelf, a disk-like top member and upright spaced connecting members, said shelf and rack top member having bearing openings to receive said spindle and provided with annular bushings, the shelf being in supporting engagement with the shoulder at the lower end of the spindle, and annular bearing members on said spindle coacting with said bushings, said rim on said table top being disposed in overlapping relation to the edge of said rack top member, said rack top member having an opening therein adapted to be brought into alinement with said table top fastenings to facilitate the attachment of the table top after the rack has been mounted on the spindle.

2. A combined table and rack comprising a pedestal provided with an upright spindle, a top supporting plate fixedly mounted on the upper end of said spindle, a table top secured to said top supporting plate by fastenings manipulated from the under side thereof, said top having an annular rim, and a rack rotatably mounted on said spindle comprising a shelf, a disk-like top member and upright spaced connecting members, said rim on said table top being disposed in overlapping relation to the edge of said rack top member, said rack top member having an opening therein adapted to be brought into alinement with said table top fastenings to facilitate the attachment of the table top after the rack has been mounted on the spindle.

3. A combined table and rack comprising a pedestal provided with an upright spindle having an upper end of reduced section providing an annular shoulder, a top supporting plate fixedly mounted on the upper end of said spindle and having an opening receiving the same, a table top secured to said top supporting plate, said top having an annular rim, a rack rotatably mounted on said spindle comprising a shelf, a disk-like top member and upright spaced connecting members, said rim on said table top being disposed in overlapping relation to the edge of said rack top member, and round headed thrust members carried by said plate for coaction with the upper surface of said disk-like top member.

4. A combined table and rack comprising a pedestal provided with an upright spindle shouldered at its upper end, there being a

shoulder at the lower end of the spindle, a top supporting plate fixedly mounted on the upper end of said spindle in supporting engagement with the said shoulder thereof, a table top secured to said top supporting plate, and a rack rotatably mounted on said spindle comprising a shelf, a top member and upright spaced connecting members, said shelf and rack top member having bearing openings to receive said spindle, the shelf being in supporting engagement with the shoulder at the lower end of the spindle.

5. A combined table and rack comprising a pedestal provided with an upright spindle, a top supporting plate fixedly mounted on the upper end of said spindle, a table top secured to said top supporting plate, and a rack consisting of a shelf, a top member and spaced connecting members therefor, said shelf and top member having bearing openings provided with annular metal bushings, said spindle being provided with annular metal bearing members coacting with said bushings.

6. A combined table and rack comprising a pedestal provided with an upright spindle, a top supporting plate fixedly mounted on the upper end of said spindle, a table top secured to said top supporting plate by fastenings manipulated from the under side thereof, and a rack rotatably mounted on said spindle and consisting of a shelf, a top member and spaced connecting members therefor, the table top having a depending rim overhanging and overlapping the top member of said rack.

7. A combined table and rack comprising a pedestal provided with an upright spindle, a flat plate secured to said spindle, a table top fixedly mounted on said plate, a rack comprising a shelf, a top member and upright connecting members rotatably mounted on said spindle below said top, said top member of said shelf being provided with an opening to receive said plate, said opening having a bushing, said plate being provided with a bearing member coacting with said bushing.

8. A combined table and rack comprising a pedestal provided with an upright spindle, a flat plate secured to said spindle, a table top fixedly mounted on said plate, and a rack comprising a shelf, a top member and upright connecting members rotatably mounted on said spindle below said top, said top member of said shelf being provided with an opening to receive said plate.

In witness whereof I have hereunto set my hand.

JOHN H. PAALMAN.