

M. A. HAWLEY.
INVALID'S TABLE.
APPLICATION FILED SEPT. 22, 1908.

928,752.

Patented July 20, 1909.
2 SHEETS—SHEET 1.

Fig. 1.

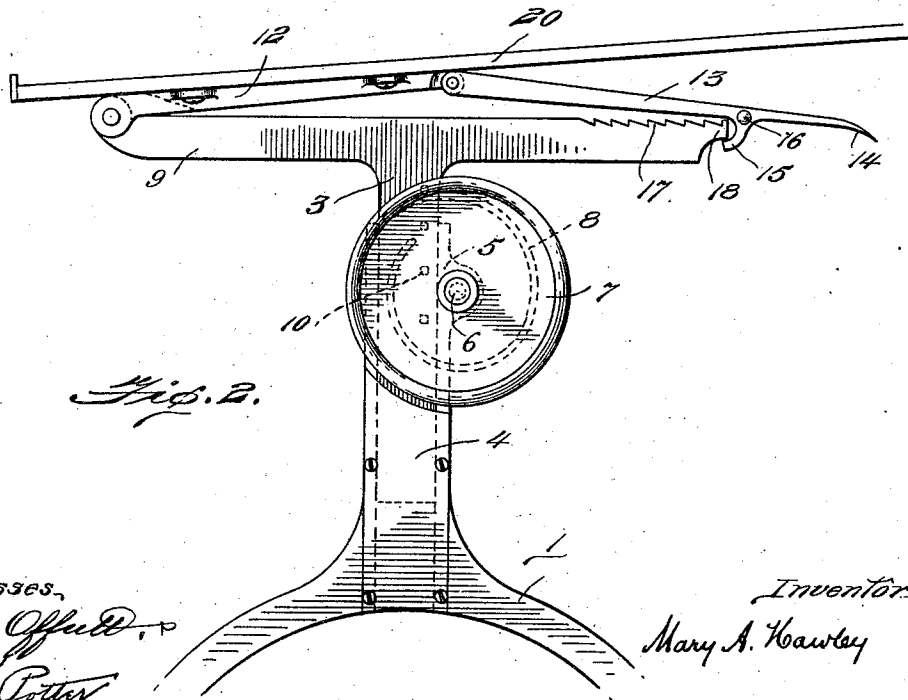
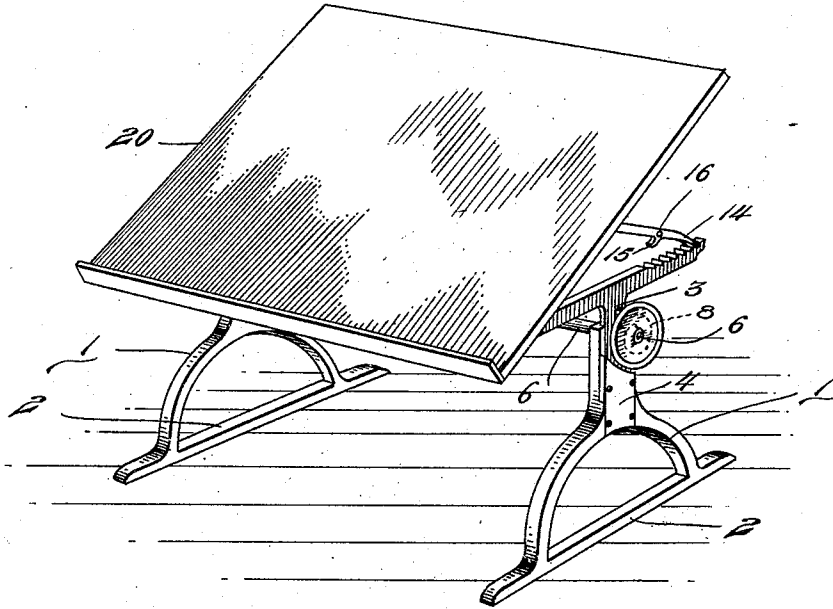


Fig. 2.

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2 SHEETS—SHEET 2.

Fig. 3.

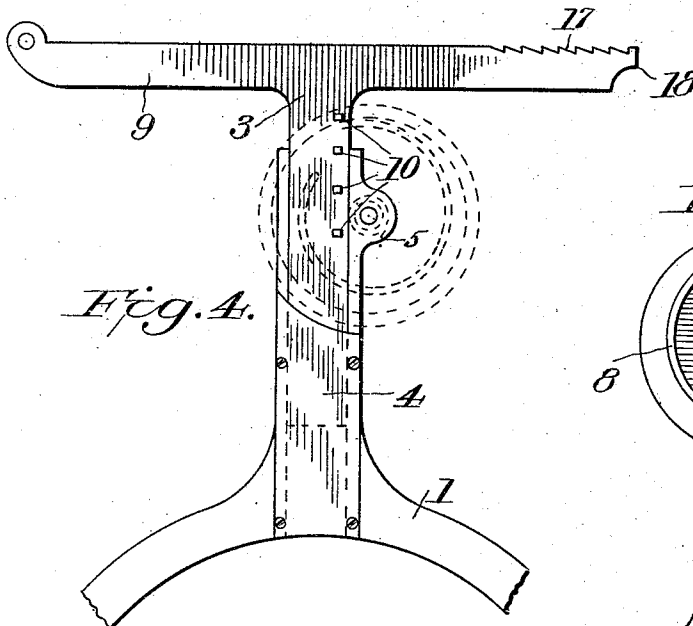
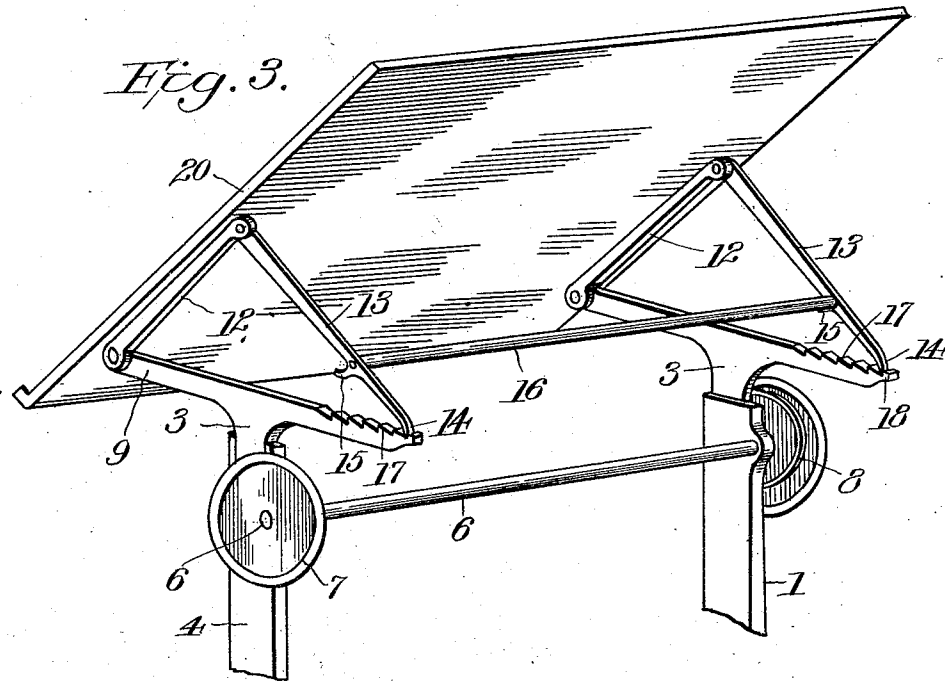
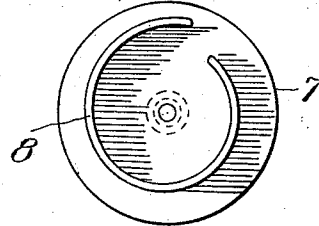


Fig. 5.



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INVALID'S TABLE.

No. 928,752.

Specification of Letters Patent.

Patented July 20, 1909.

Application filed September 22, 1908. Serial No. 454,182.

To all whom it may concern:

Be it known that I, MARY A. HAWLEY, a citizen of the United States, residing at Elk Grove, in the county of Sacramento and State of California, have invented certain new and useful Improvements in Invalids' Tables, of which the following is a specification.

The table to which this invention relates, is primarily intended for use in the care of invalids, and is arranged so that the table can either be used flat, as for serving meals thereon, or tipped up at any desired angle to serve as a reading stand. Obviously it is capable of use for many other purposes.

In the drawings,—Figure 1 is a perspective view; and Fig. 2 is a side elevation. Fig. 3 is a perspective view of the table when raised. Figs. 4 and 5 are views of details.

The table is carried by two supports 1, 1, having somewhat extended flat bases, 2, 2. Mounted in these supports, are a pair of sliding standards 3, which are held in such grooves by plates 4. Each support has a perforated ear 5, serving as a journal for the shaft 6, which has secured at each end a wheel or disk 7, this wheel 7 having on its inner face a spiral cam 8. The wheels may be rotated by grasping their edges or they may be provided with handles (not shown). Each standard 3, has on its outer face, a series of lugs or teeth 10 so spaced as to be successively engaged by the spiral cam 8 as the wheel is rotated, thereby raising the table to the desired elevation. Each of the movable standards 3 has at its top a cross piece 9, to one end of which is pivoted a bar 12, to which the table top 20 is secured in any suitable manner. Pivoted to each bar 12, is a prop 13, having its other end pointed, for engagement with any one of a series of teeth 17 on the bar 9. Each prop 13 has also formed thereon, a hook 15, the props 13 being secured together by cross-bar 16, the end of which is shown in Fig. 2. The end of the bar 9 has its end 18, properly shaped to engage the hook 15.

As shown in Fig. 2, the hooks, 15, are so located on the props 13 as to engage the ends 18 of the bars 9, when the table is lifted, as

by grasping its top, but will be disengaged when the table top is flat.

The mode of operation of the device is apparent. The table is raised by rotating the wheels 7, the cam 8 engaging successively the lugs or teeth 10. The spiral cam arrangement permits the table to be raised with a minimum amount of effort, and with a perfectly easy and gradual movement. When the table is raised by taking hold of the top, the hooks will automatically slip under the ends of the cross-bars, but will be disengaged when the table is flat, thereby permitting the top to be raised and tilted at any desired angle by inserting the ends of the props in the teeth of the crossbar.

I claim.

1. A table having supports, standards sliding vertically therein, spaced projections or teeth on the standards, and spiral cams arranged in vertical planes and secured to each end of a shaft mounted on the supports, said cams being arranged to engage with the teeth.

2. A table having cross bars and means for supporting them, a top pivoted to the cross bars, props having a pivoted connection to the top, said props having hooks arranged to engage over the ends of the cross bars, the hooks being positioned to so engage the ends of the cross bars when the top is slightly raised, and to disengage when the top lies flat on the cross bars.

3. A table having toothed cross bars and means for supporting them, a top pivoted to the cross bars, props having a pivoted connection to the top and means for engaging the teeth of the cross bars, said props having hooks arranged to engage over the ends of the cross bars, the hooks being positioned to so engage the ends of the cross bars when the top is slightly raised, and to disengage when the top lies flat on the cross bars.

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

MARY A. HAWLEY.

Witnesses:

JAMES E. POWELL,
M. A. POWELL.