

Oct. 21, 1924.

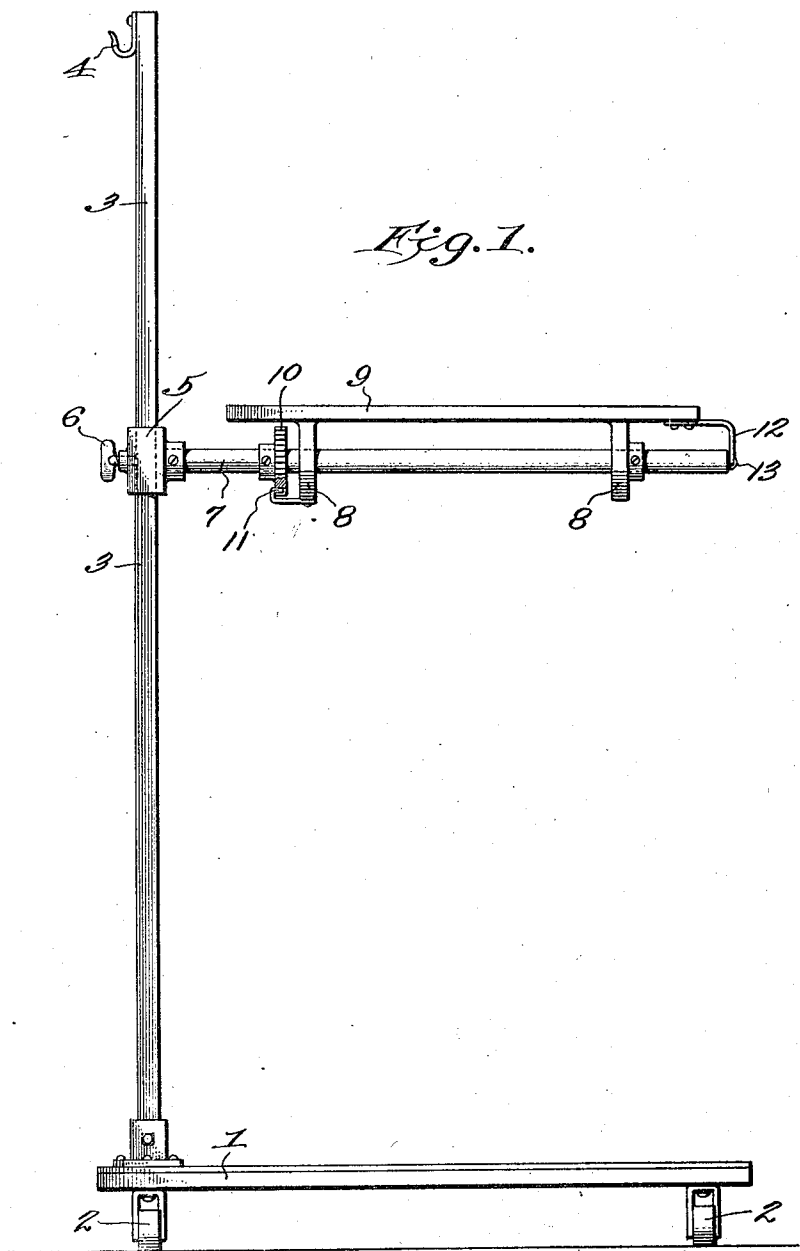
F. A. MCGUIRE

1,512,291

TRAY HOLDER FOR BEDS

Filed Sept. 8, 1923

2 Sheets-Sheet 1



W. M. D. Durrall
L. D. Middleton
WITNESSES

F. A. McGuire,
INVENTOR
BY *Victor J. Evans*
ATTORNEY

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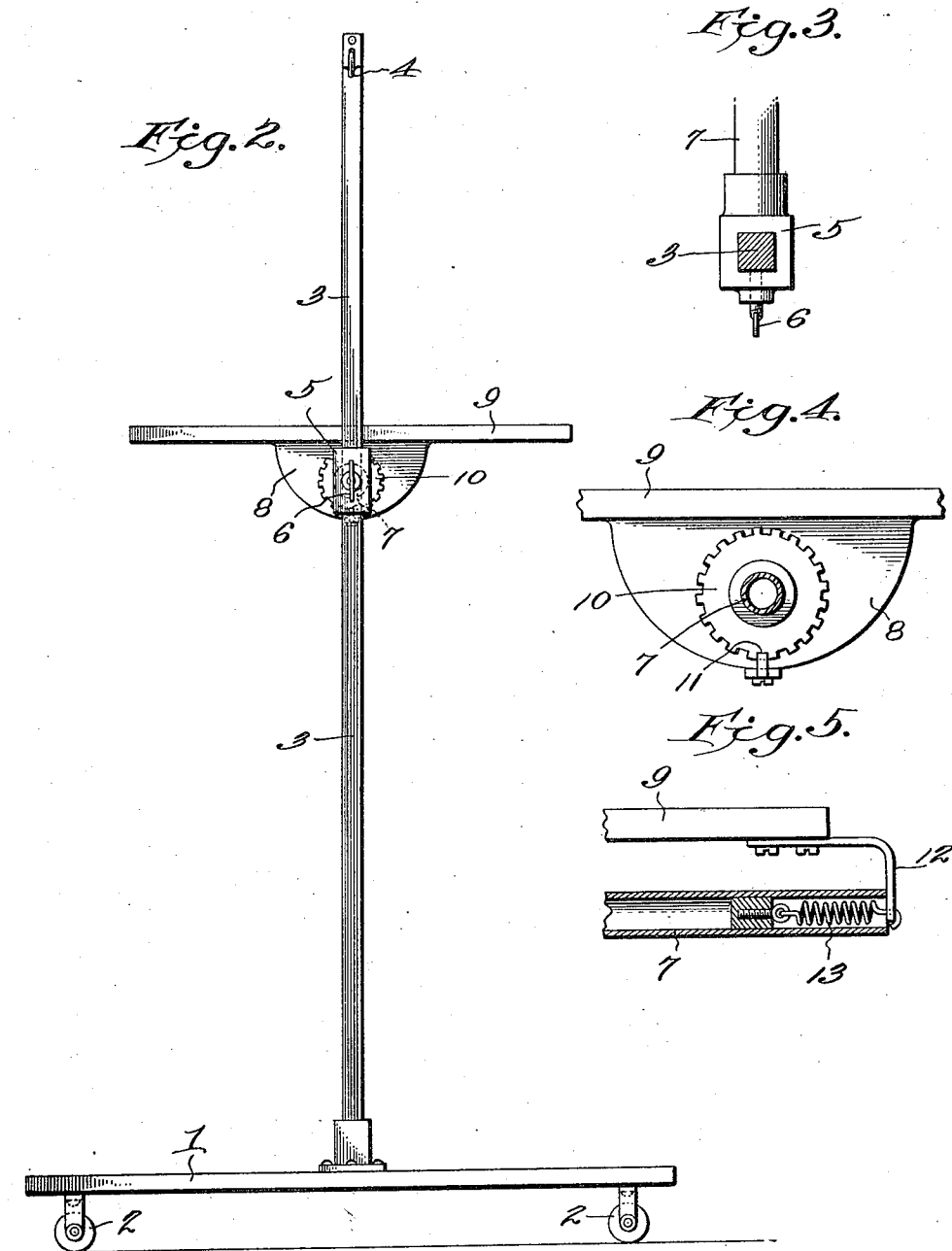
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UNITED STATES PATENT OFFICE.

FRANK A. McGUIRE, OF IOLA, KANSAS.

TRAY HOLDER FOR BEDS.

Application filed September 8, 1923. Serial No. 661,664.

To all whom it may concern:

Be it known that I, FRANK A. McGUIRE, a citizen of the United States, residing at Iola, in the county of Allen and State of Kansas, have invented new and useful Improvements in Tray Holders for Beds, of which the following is a specification.

This invention relates to a tray holder for beds, the general object of the invention being to so construct the parts that there is no danger of the device tipping over and to make the holder easily adjustable upon its support so that it can be placed in the desired position in front of the patient.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is an elevation of the device.

Figure 2 is a rear elevation.

Figure 3 is a section on line 2—3 of Figure 1.

Figure 4 is a section on line 4—4 of Figure 1.

Figure 5 is a section on line 5—5 of Figure 2.

In these views, 1 indicates a base which is provided with casters 2 so that it may be easily moved from place to place. A rod 3, preferably of square shape in cross section, is connected with the central part of one end of the base and the upper end of said rod is provided with a hook 4 for holding a water bottle or other article. A sleeve 5, provided with a square bore for receiving the rod, is held in adjusted position on the rod by a set screw 6. A tube 7 is carried by the sleeve, said tube passing through a pair of depending pieces 8 on a table 9 so that the table is rotatably supported on the tube. The tube carries a toothed wheel 10, the teeth of which are adapted to be engaged by a pin 11 on one of the members 8 for holding the table in adjusted position on the tube. The table is slidably mounted on the tube so that the pin can be moved out of

engagement with the toothed wheel to permit the table to be adjusted but said table is normally held in a position with the pin in engagement with the toothed wheel by means of a curved arm 12 on the table engaging a spring 13 in the tube.

In order to adjust the table on the tube, it is simply necessary to press it inwardly to free the pin from the toothed wheel and thus permit the table to be moved to its desired position. The spring will then move the table to its normal position with the pin in engagement with the toothed wheel. The table is also adjusted vertically by moving the sleeve 5 on the upright so that it can be adjusted to suit the patient. The table can support a tray, a book or magazine or it can be used as a writing table. The arrangement of the upright on the support prevents the device from tipping under the weight placed upon the table.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

A device of the class described comprising a wheeled base, an upright of square shape in cross section connected with one end of the base, a sleeve having a square bore receiving said upright, a set screw for holding the sleeve in adjusted position on the upright, a tube carried by the sleeve, a table, depending pieces thereon having holes therein through which the tube passes, so that the table is slidably and rotatably mounted on the tube, a toothed disc fixed to the tube adjacent one of the depending pieces, a pin on one of the depending pieces and arranged to engage one of the teeth of the disc to hold the table in adjusted position, a bracket on the table and a spring in the tube and connected with the bracket for normally holding the table in a position with the pin in engagement with the tooth of the disc.

In testimony whereof I affix my signature.

FRANK A. McGUIRE.