

M. MEYERHEIM.
 RULING DEVICE.
 APPLICATION FILED APR. 9, 1910.

973,534.

Patented Oct. 25, 1910.

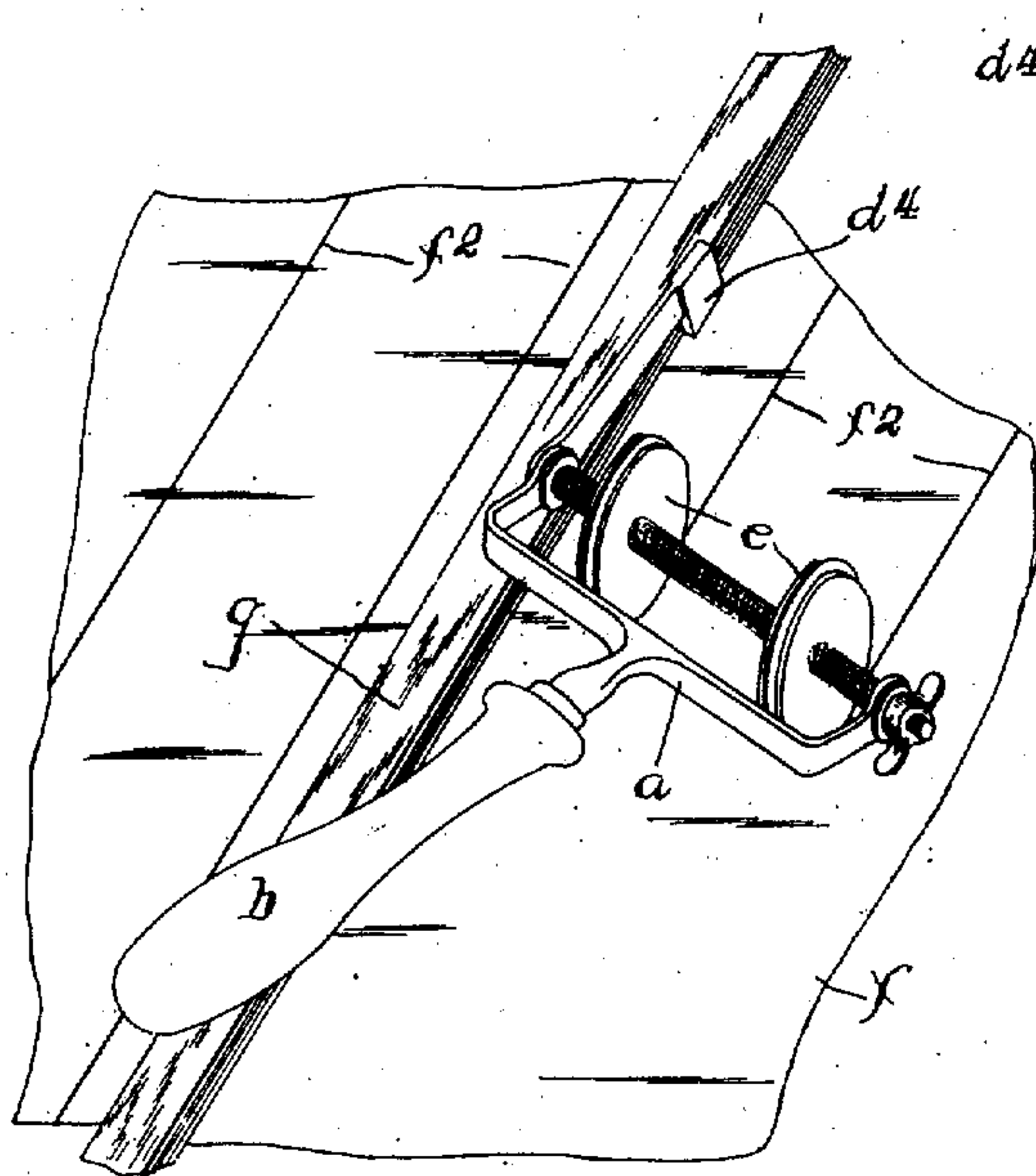


Fig. 1

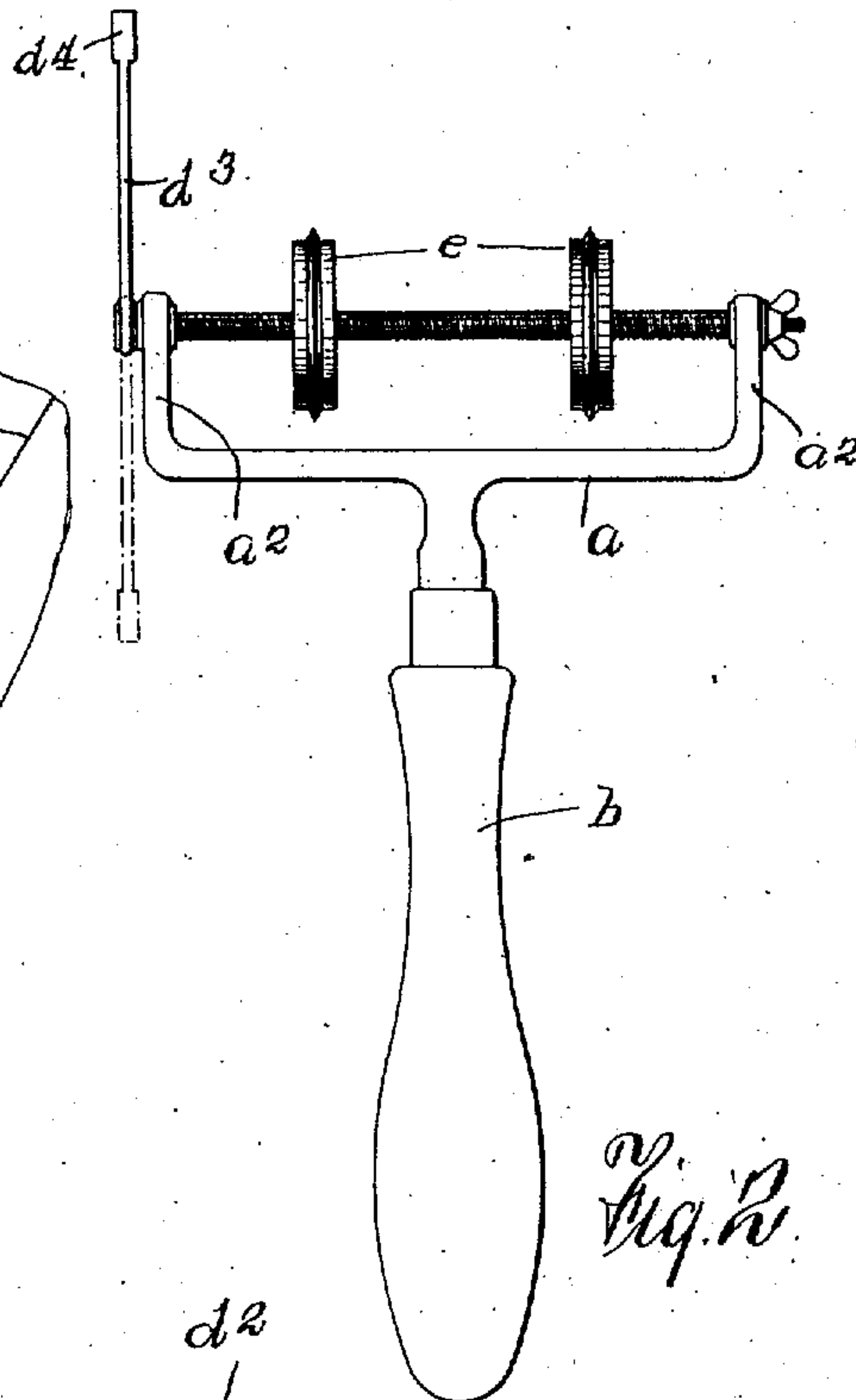


Fig. 2

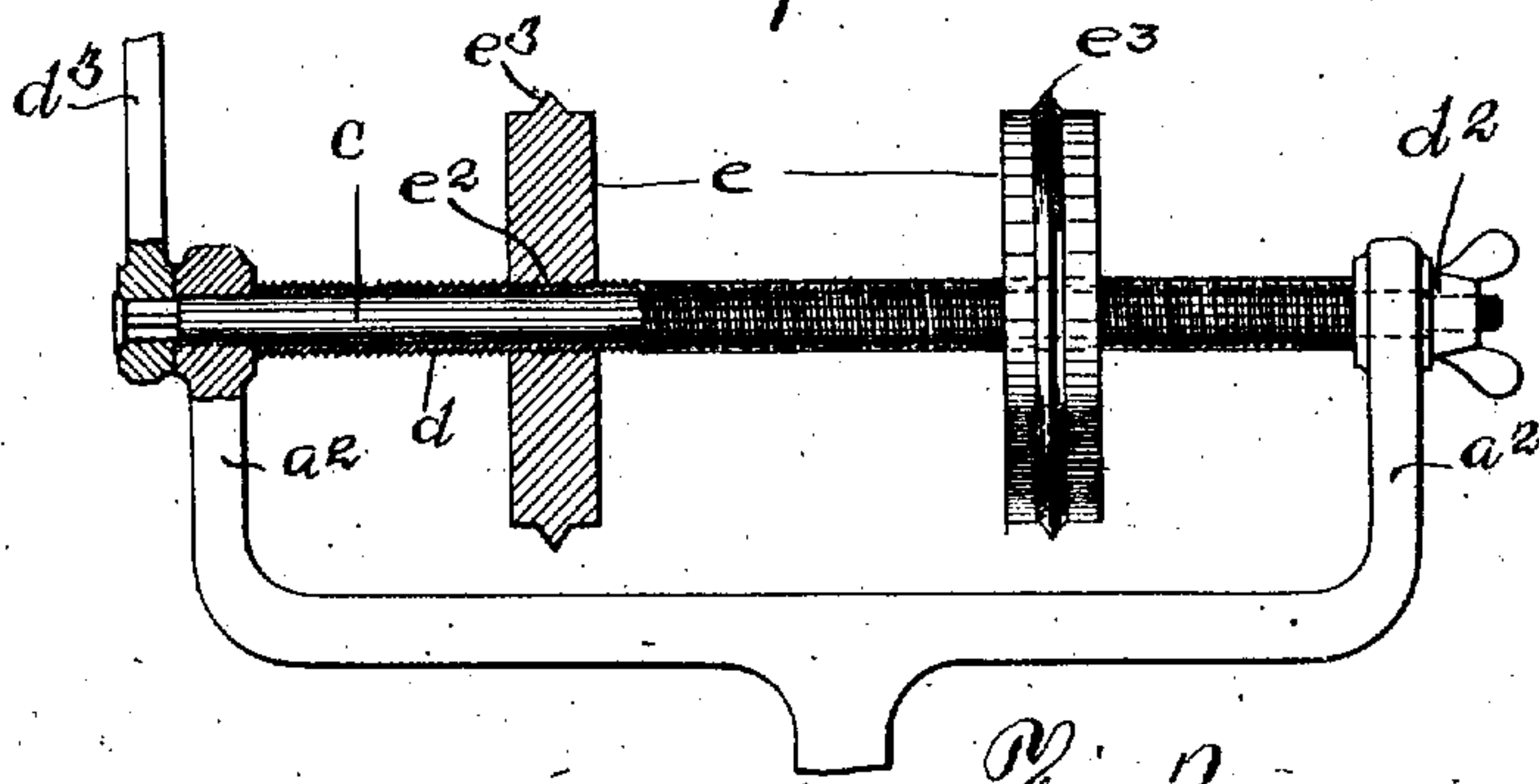


Fig. 3

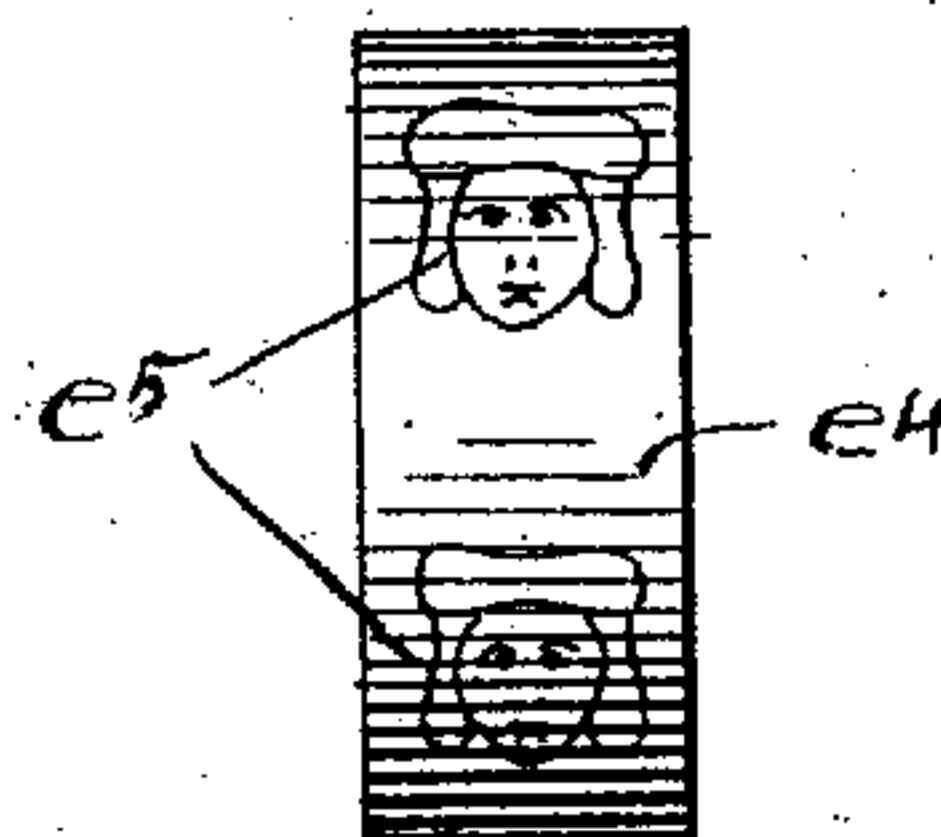


Fig. 4

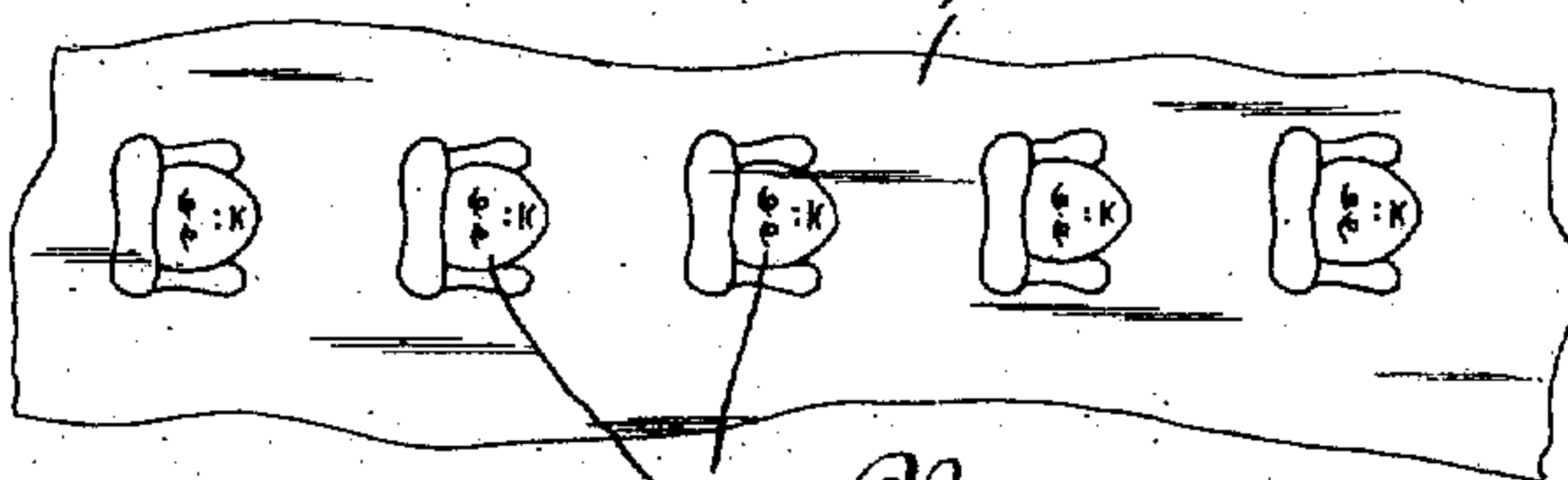


Fig. 5

WITNESSES
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UNITED STATES PATENT OFFICE.

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RULING DEVICE.

973,534.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MAX MEYERHEIM, a citizen of the United States, and residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Ruling Devices, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to means for ruling paper, and the object thereof is to provide an improved device of this class by means of which sheets of paper of any kind or class may be quickly and easily ruled in any desired manner; a further object being to provide a device of the class specified which may be used as a toy by children, not only for ruling paper but for printing pictures thereon; and with these and other objects in view the invention consists in a device of the class specified, constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is a perspective view of my improved ruling device and showing the method of its operation; Fig. 2 a plan view of the ruling device; Fig. 3 a sectional detail plan view of said device; Fig. 4 a face view of a printing disk or roller which forms a part of my improvement when used for the purpose of printing pictures on paper, and;—Fig. 5 a view of a strip of paper containing pictures printed thereon by means of the disk or roller shown in Fig. 4.

In the practice of my invention I provide a device of the class specified, comprising a yoke-shaped head *a* having a handle *b*, and in the side arms *a*² of which is mounted a rotary shaft *c* on which is rotatably mounted a threaded sleeve *d* and said shaft is provided at one end with a thumb nut *d*², and at the opposite end with an arm *d*³ which is rigidly secured thereto and provided at its free end with a weight *d*⁴. I also provide a plurality of printing or ruling disks *e* which are mounted on the sleeve *d*, and the central bores *e*² of which are threaded to correspond with the thread on

said sleeve and these disks or rollers *e* may be adjusted toward and from each other and into any desired position, by simply turning them on said sleeve.

In Fig. 1 I have shown the method of using my improvement as a ruler for the purpose of ruling a sheet of paper *f*, and in this operation I employ a straight edge *g* of any kind or class and in practice the device is operated by grasping the handle *b* in one hand and holding the arm *d*³ adjacent to or against the straight edge *g* and then drawing the device across the sheet *f*, the disks or rollers *e* having been first drawn over an inking pad or similar device and by means of this operation the sheet *f* is provided with parallel lines *f*² as will be readily understood.

The disks or rollers *e* when used for the purpose of ruling are provided with central peripheral beads *e*³ which are V-shaped in cross section or provided with suitable edges for the purpose of forming the lines *f*² and in the above described operation the sleeve *d* rotates on the shaft *c*.

The sleeve *d* cannot move longitudinally of the shaft *c* and when the disks or rollers *e* are adjusted on said sleeve into the desired position and the device is operated in the manner shown in Fig. 1 and above described, the lines *f*² will be made perfectly straight and perfectly parallel, and the arm *d*³ projects at right angles to the shaft *c* and forms a guide for the device and facilitates the operation thereof, and insures the steady movement of the device across the sheet of paper with the shaft *c* at right angles to the straight edge *g*.

The arm *d*³ is rigidly connected with the shaft *c* as hereinbefore described and may, when in use, project forwardly as shown in full lines in Figs. 1 and 2 or may extend backwardly as shown in dotted lines in Fig. 2.

In Fig. 4 I have shown a printing disk or roller *e*⁴ which may be substituted for the disks or rollers *e* shown in Figs. 1 to 3 inclusive, and the face of the disk or roller *e*⁴ is provided, in practice, with figures *e*⁵, which may represent persons, objects or things, and when disks or rollers *e*⁴ are mounted on the sleeve *d* and the device operated as hereinbefore described the sheet of paper *f* may be provided with a row or rows of pictures *h* printed by the disk or

roller *e*⁴ or a number of said disks or rollers as will be understood. This form of my improvement is particularly designed for use by and for the amusement of children, and my invention, as shown in Figs. 1 to 3 inclusive, is not limited to the use of the sleeve *d* on the shaft *c* nor to the method of adjusting the ruling or printing rollers on said sleeve and various changes in and modifications of the construction herein shown and described may be made within the scope of the appended claims, without departing from the spirit of my invention or sacrificing its advantages.

15 Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is:—

A device of the class described comprising

a yoke-shaped head provided with a handle, a shaft mounted in the sides of the yoke-shaped head, a threaded sleeve rotatable on said shaft and disks or rollers mounted on said sleeve and threaded to correspond with the thread thereof and adapted to turn therewith, one end of said shaft being also provided with a guide arm which projects at right angles thereto. 20 25

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 8th day of April 1910. 30

MAX MEYERHEIM.

Witnesses:

C. E. MULREANY,
B. M. RYERSON.