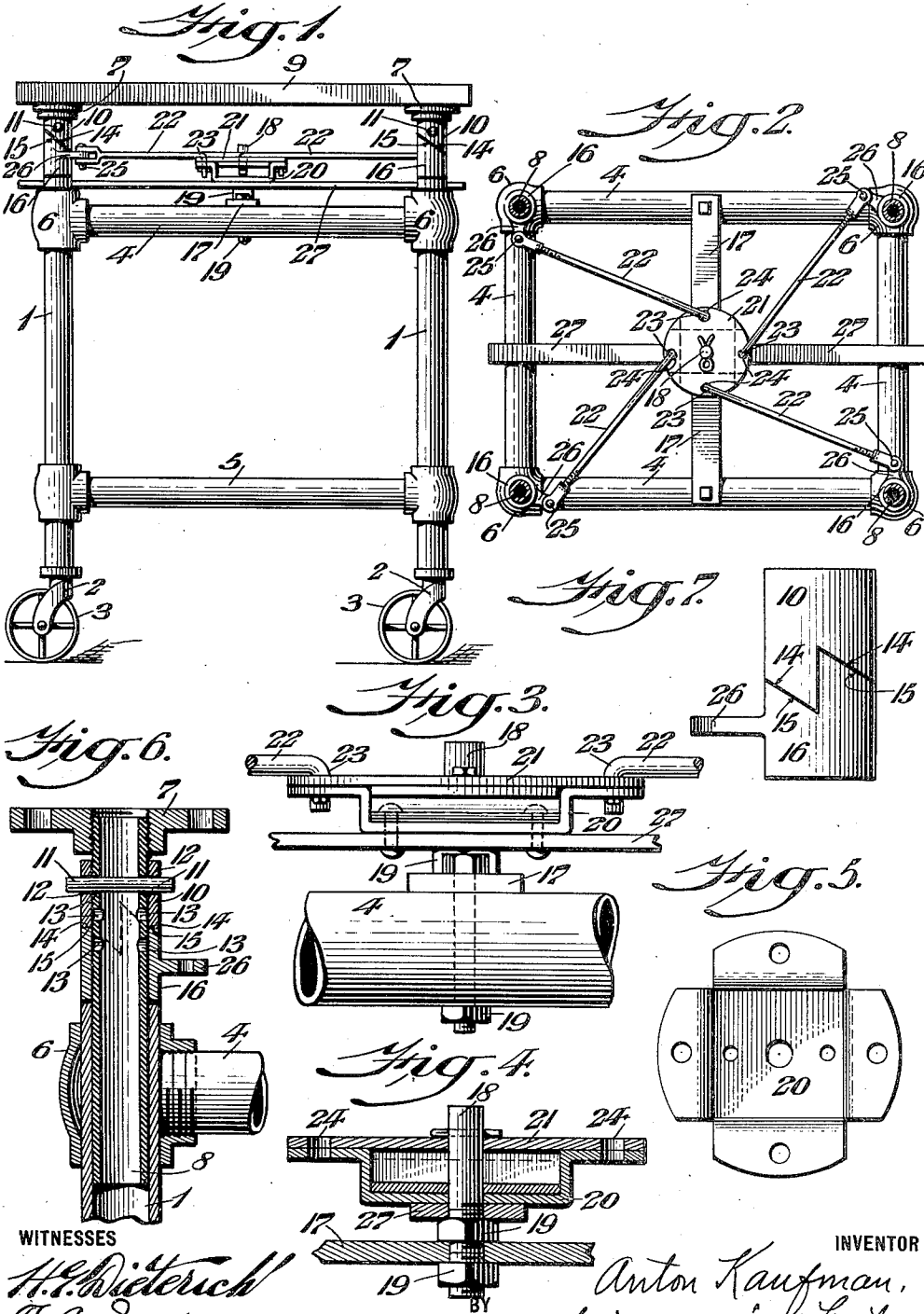


A. KAUFMAN.
MAKE-UP TABLE.

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1,133,804.

Patented Mar. 30, 1915.



WITNESSES

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1,133,804.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ANTON KAUFMAN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Make-Up Table, of which the following is a specification.

My invention consists of a make-up table for printing shops in which the table top can be raised or lowered from either side of the table.

It further consists of such a table in which the top can be accurately adjusted at any height within proper limits and remain at its level.

It further consists of means in such table for providing additional adjustment of the height of the top.

It further consists of other novel features of construction, all as will be hereinafter fully set forth.

The annexed drawings and the following description set forth in detail, one mechanical form embodying the invention, such detail construction being but one of various mechanical forms in which the principle of the invention may be used.

In said annexed drawings—Figure 1 represents a side elevation of my improved make-up table. Fig. 2 represents a horizontal section of the same. Fig. 3 represents an enlarged detail view of the cam-actuating mechanism. Fig. 4 represents a sectional detail view of said mechanism. Fig. 5 represents a detail plan view of the spider by means of which the disk, connected to the cam-mechanisms raising and lowering the top, is supported. Fig. 6 represents an axial section of the upper end of one of the legs. Fig. 7 represents a detail side-view of one of the cam-devices.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings, the reference numerals 1 indicate the legs of the table, which have preferably universally rotatable caster-brackets, 2, at their lower ends, in which caster-wheels, 3, are journaled. The legs are preferably tubular and are connected by upper braces, 4, and lower braces, 5, having their ends secured in socket-heads, 6, secured upon the legs.

Disk-heads, 7, have their sockets secured upon tubular plungers, 8, which are slidable in the upper ends of the tubular legs, and

the table-top, 9, is supported upon said disk-heads.

A cam-sleeve, 10, is slidably secured upon the upper end of each plunger, being held in place by a pin, 11, passing through holes, 12, in the cam-sleeve and one pair of two series of holes, 13, in the plunger. The lower edge of the cam-sleeve is formed with two diametrically opposite cam-edges, 14, which engage corresponding cam-edges, 15, upon the upper edge of the sleeve, 16, rotatable upon the plunger and bearing with its lower end upon the end of the leg. When said sleeve is rotated, the oblique edges of the sleeve slide beneath the oblique cam-edges upon the plunger, so that the cam-sleeve and plunger can, by rotating the cam-sleeve 16, raise or lower the plunger and the table-top. A cross-bar, 17, is secured at its ends upon the middles of two of the upper cross-bars of the table-frame, and has an upright bolt, 18, secured in its middle by means of nuts, 19. A cross-frame or four-armed spider, 20, is pivoted at its center upon said bolt and has a disk, 21, secured to its arms and pivoted at its center upon said bolt.

Connecting-rods, 22, have their inner bent ends, 23, pivoted in holes, 24, in said disk, and have their outer forked ends pivotally connected by bolts, 25, through the latter to arms, 26, projecting radially from the rotatable cam-sleeves.

A handle-bar, 27, is pivoted upon the central bolt beneath the spider and is secured to the same, so that the spider and disk can be horizontally rocked by said handle-bar from either end of the table. The cam-sleeves upon the legs will be rocked from the disk by the connecting-rods and the rotation of said sleeves, co-acting with the non-rotatable cam-sleeves upon the plungers will raise or lower the table top. The top can be further adjusted by adjusting the plungers carrying the top within the non-rotatable sleeves by means of the pins.

The top of the table can be adjusted to any desired height between reasonably required limits, the operating lever is accessible from all points around the table, and the inclined cam edges are at such angles of inclination that the top can be easily raised or lowered under the load of the form upon the table, while retaining the table at any height to which it may be set. The construction of

the table is simple and substantial and is not liable to breakage nor to get out of order during ordinary usage.

The telescoping construction of the legs, 5 actuated in unison, insures a level movement of the top and a firm connection between the latter and the legs, so that manipulation of the form and placing the same upon or removing the same from the top of the 10 table will not disturb the position of the top in its relation to the leg-support.

Other modes of applying the principle of my invention may be employed for the mode herein explained. Change may therefore be 15 made as regards the mechanism thus disclosed, provided the principles of construction set forth, respectively, in the following claims are employed.

Having thus described my invention, 20 what I claim as new and desire to secure by Letters Patent, is:—

1. In a make-up table, tubular legs, a top provided with plungers telescoping in said legs, cam-sleeves longitudinally adjustable 25 upon said plungers and having inclined lower cam-edges, cam-sleeves having inclined upper cam-edges coöperating with said former cam-edges and rotatable upon the plungers and upon the ends of the legs, 30 and means for simultaneously rotating said latter sleeves.

2. In a make-up table, tubular legs, a top

provided with plungers telescoping in the upper ends of said legs, cam-sleeves longitudinally adjustable upon said plungers and 35 having inclined lower cam-edges, means for adjustably securing such sleeves to said plungers, rotatable sleeves having inclined upper cam-edges coacting with the cam-edges upon the sleeves of the plungers and 40 rotatable upon said plungers and formed each with a radially projecting arm, a disk pivotally supported beneath the top and centrally to the legs and having a handle for rotating it, and connecting rods pivoted with 45 their ends to said disk and to the arms upon the rotary cam-sleeves.

3. In a make-up table, tubular legs, a top provided with plungers telescoping in the upper ends of said legs and formed each 50 with series of holes, cam-sleeves longitudinally adjustable upon said plungers and having inclined lower cam-edges and registering holes in its walls, pins through said holes, cam-sleeves rotatable upon the plungers 55 and having inclined upper cam-edges engaging the cam-edges of the former sleeves, and means for simultaneously rotating said last cam-sleeves.

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Witnesses:

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