Sept. 18, 1956 A. R. MARTIN ET AL 2,763,523

MACHINE POSTING STAND WITH REVOLVING POSTING TRAY

Filed July 26, 1955

2 Sheets-Sheet 1

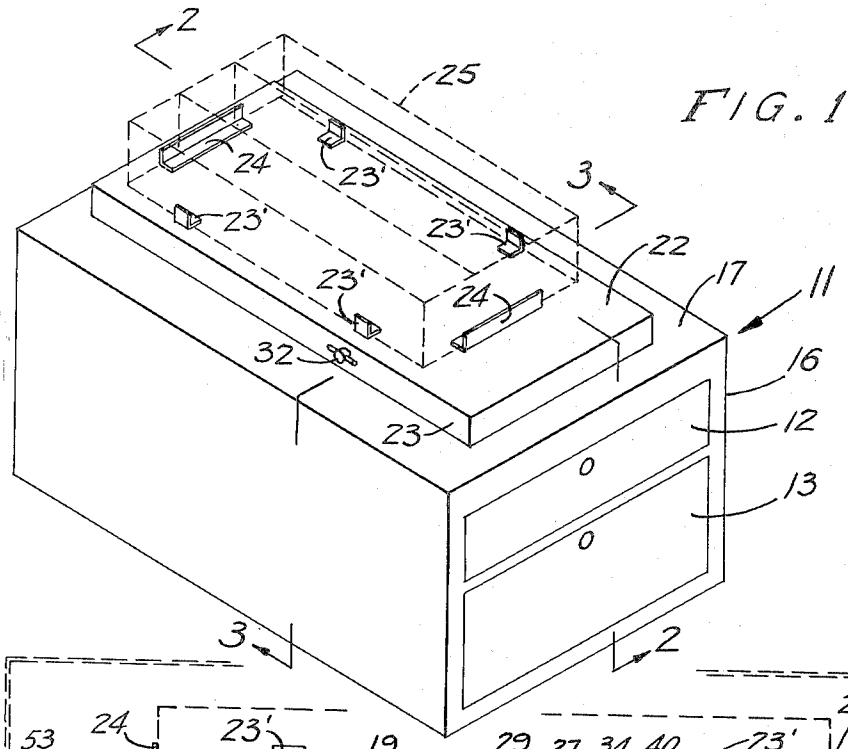


FIG. 1

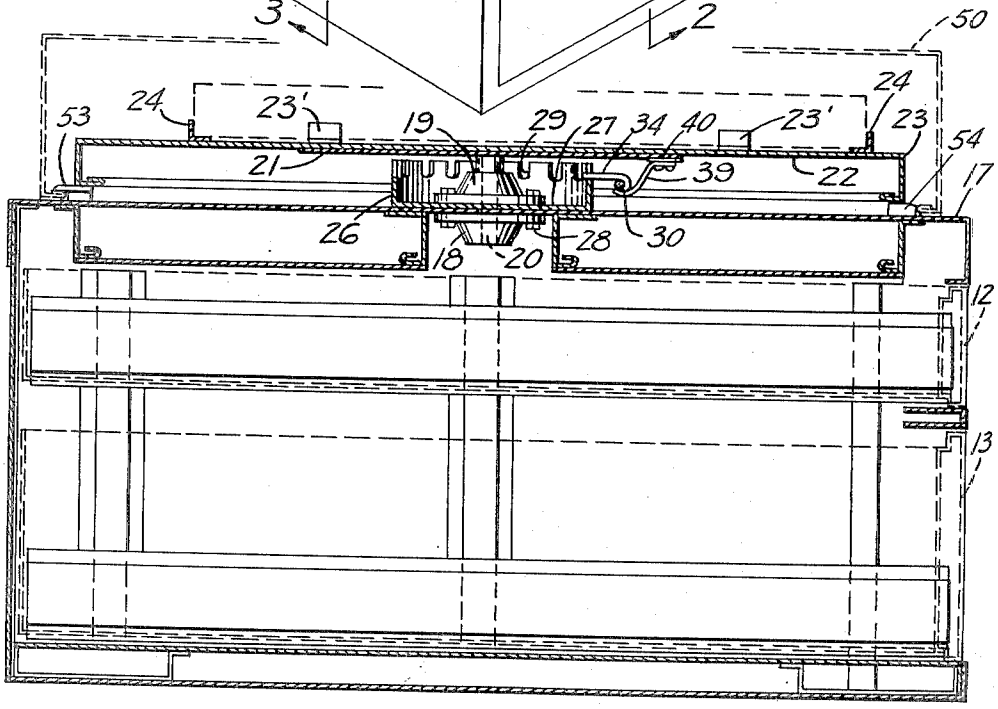


FIG. 2

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2 Sheets-Sheet 2

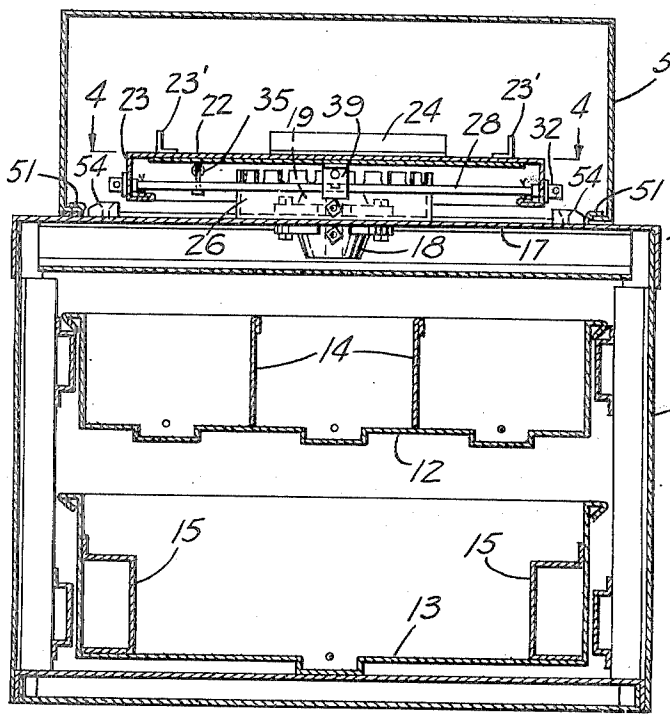


FIG. 3

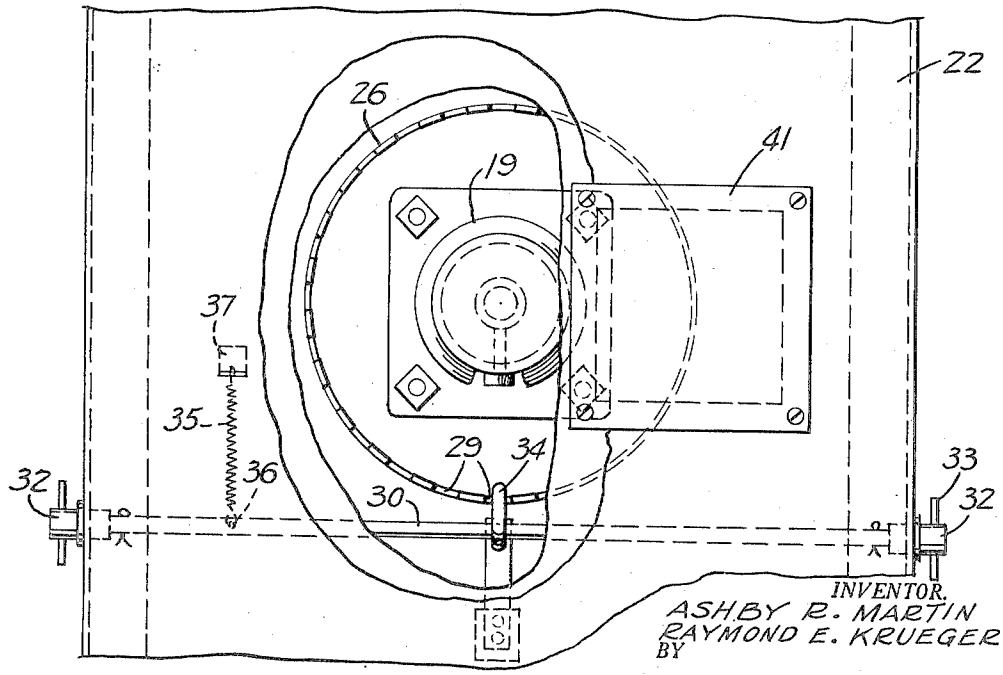


FIG. 4

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MACHINE POSTING STAND WITH REVOLVING POSTING TRAY

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Application July 26, 1955, Serial No. 524,497

2 Claims. (Cl. 311—32)

This invention relates to office equipment, and more particularly to an improved office cabinet provided with means for supporting a posting tray or the like thereon and arranged so that said means may be readily rotated to a convenient position when desired.

A main object of the invention is to provide a novel and improved office cabinet provided with a revolving top adapted to receive a loose-leaf machine posting tray, or the like, so that the posting tray or similar object can be rotated rapidly to a convenient position with respect to the operator while permitting access to the cabinet, the improved cabinet being simple in construction, being easy to operate, and providing a great saving in time and space.

A further object of the invention is to provide an improved cabinet provided with a revolving top support adapted to carry a posting tray, or the like, the cabinet being provided with drawers for containing signature cards and similar objects, the revolving top being readily rotatable to a convenient position with respect to the operator and being readily movable so that access may be rapidly obtained to the drawers in the cabinet without disturbing the operator, the revolving top permitting the tray to be made available to operators on either side of the cabinet, the cabinet being relatively inexpensive to manufacture, being rugged in construction, and being neat in appearance.

Further objects and advantages of the invention will become apparent from the following description and claims, and from the accompanying drawings, wherein:

Figure 1 is a perspective view of an improved machine posting cabinet constructed in accordance with the present invention.

Figure 2 is a longitudinal vertical cross sectional view to an enlarged scale taken on the line 2—2 of Figure 1.

Figure 3 is an enlarged transverse vertical cross sectional view taken on the line 3—3 of Figure 1.

Figure 4 is an enlarged horizontal cross sectional view taken on the line 4—4 of Figure 3.

Referring to the drawings, **11** generally designates an improved posting cabinet constructed in accordance with the present invention, said cabinet being generally rectangular in shape and being provided with a pair of sliding drawers **12** and **13** which are interiorly arranged with suitable partitions to receive signature cards and other data. For example, as shown in Figure 3, the upper drawer **12** may be provided with longitudinal partitions **14** defining respective longitudinal spaces for signature cards, and the lower drawer **13** may be provided with suitable spacer elements **15**, **15**, defining a file folder space therebetween.

The rectangular main body of the cabinet is designated generally at **16** and is provided with the top wall **17**. Designated at **18** and **19** are respective vertically aligned bearing elements which are secured in registry to the bottom and top surfaces of the central portion of top wall **17** and which rotatably receive and support a vertical shaft **20**, the top wall **17** being suitably apertured

to allow said shaft to extend therethrough to the lower bearing member **18**. Secured to the top end of the shaft **20** is a horizontal plate member **21**, and secured on said horizontal plate member **21** is a generally rectangular horizontal platform **22**, said platform being provided with the depending marginal flange **23** extending completely therearound and defining a depending skirt at the edges of the rectangular platform **22**.

Secured on the top surface of the platform **22** are the spaced side angle brackets **23'** and the respective front and rear end angle brackets **24** defining a rectangular enclosure adapted to receive a posting tray, account book, or the like, designated in dotted view at **25** in Figure 1. The side angle brackets **23'** and the end angle brackets **24** are arranged to define a rectangular enclosure, as illustrated, whereby the tray **25** will be securely supported on the platform **22**, but may be readily lifted from said platform when necessary.

Designated at **26** is a generally circular cup member which is secured on the top wall **17** of the cabinet body **16** concentrically with the shaft **20** and the bearing elements **18** and **19**, the shaft **20** extending through the horizontal bottom wall **27** of the cup member **26**, as is clearly shown in Figure 2. Said bottom wall **27** is secured to the top wall **17** of the cabinet in any suitable manner, as by being fastened thereto by the same bolts **28** which are employed to secure the flanges of the bearing elements **18** and **19** to the top wall **17**.

The annular vertical wall of the cup member **26** thus concentrically surrounds the bearing element **19** and the shaft **20**, and is of substantial diameter. Said annular wall is formed with the uniformly spaced, upwardly facing notches **29** in its top portion. Designated at **30** is a transverse horizontal rod member which is located outwardly adjacent the annular vertical wall of cup member **26** and which extends through the depending skirt element **23** and is rotatably supported at its end portions in said depending skirt member. The end portions of the rod **30** are provided with suitable knobs **32**, **32**, including transversely extending pins **33**, permitting said knobs to be readily grasped and rotated by an operator. Rigidly secured to the intermediate portion of the rod **30** is the laterally projecting locking finger **34** which is lockingly engageable in the notches **29**, the finger **34** being biased into such locking engagement by a coiled spring **35** connected between an upwardly projecting pin **36** secured to the rod **30** and a depending lug **37** formed in the platform **22**. As shown in Figure 4, the spring **35** biases the rod **30** in a direction to urge the finger **34** into locking engagement with a notch **29** in the top portion of the vertical annular wall of cup member **26**.

Designated at **39** is a leaf spring secured at **40** to the underside of the tray member **22** and extending beneath and frictionally engaging the rod member **30**, the leaf spring **39** being located immediately beneath the finger **34** and being engageable with the mid portion of the rod member **30** to provide a resilient support for said mid portion.

The platform **22** is provided with a removable cover plate **41** to provide access at times to the bearing member **19** for lubricating shaft **20** and the bearing members when required.

As above explained, the finger **34** locks the platform **22** in a fixed position. When it is desired to rotate the platform, for example, to allow an operator to obtain access to the posting tray **25** from the side of the cabinet, the operator rotates the knob **32** at said side to elevate the finger **34** and release the platform **22**. The platform **22** may be then swung to the desired position with respect to the operator, after which the knob **32** is released, allowing the finger **34** to lock the platform **22** in its adjusted position. When an operator on the other side of

the cabinet desires access to the tray **25**, the operator may rotate the tray to the desired position thereof by following the same procedure outlined above, namely, by rotating the knob **32** on said opposite side to release the finger **34** and allow the tray **25** to be rotated to the desired position, after which the knob **32** may be released, again locking the tray in adjusted position. Thus, operators on both sides of the cabinet may use the posting tray without substantially interfering with each other's operations, and at the same time, the front of the cabinet is unobstructed, allowing access to the drawers **12** and **13** by any person requiring same.

Designated at **50** is a suitable, generally rectangular removable housing or cover which is engageable over the platform **22** in the manner illustrated in Figure 3 to house and protect the platform when desired. The housing **50** is provided with the inturned peripheral flange **51** whose side portions are engageable with suitable positioning blocks **54** secured to the top wall **17** of the cabinet **16** on opposite sides of the platform **22**, whereby the inturned flange **51** may serve to properly position the housing **50** over the platform **22**, in the manner shown in dotted view in Figure 2. As shown in Figure 2, grooved guide elements **53** are provided at one end of the top wall **17**, suitable positioning blocks **54** being provided at the other end of said top wall to cooperate with the inturned flange **51** at the respective ends of housing **50**.

While a specific embodiment of an improved machine posting cabinet with a revolving posting tray platform thereon has been disclosed in the foregoing description, it will be understood that various modifications within the spirit of the invention may occur to those skilled in the art. Therefore, it is intended that no limitations be placed on the invention except as defined by the scope of the appended claims.

What is claimed is:

1. In a tray support of the type comprising a top wall, means on said top wall defining a vertical bearing, a vertical shaft journaled in said means, a horizontal platform secured on said shaft, respective depending flanges on the opposite sides of said platform, and means on said platform to supportingly receive a posting tray or the like, the improvement comprising an upstanding notched wall

secured to said top wall around said shaft beneath said platform, a horizontal rod member extending rotatably through said depending flanges outwardly adjacent said notched wall and being supported in said flanges, an arm on said rod member lockingly engageable with said upstanding notched wall, spring means connecting said rod member to said platform and urging said rod member to rotate in a direction to bias said arm into locking engagement with said notched wall, and handle means on the opposite ends of said horizontal rod member whereby said rod member may be manually rotated from opposite sides of the platform.

2. In a tray support of the type comprising a top wall, means on said top wall defining a vertical bearing, a vertical shaft journaled in said means, a horizontal platform secured on said shaft, respective depending flanges on the opposite sides of said platform, and means on said platform to supportingly receive a posting tray or the like, the improvement comprising an upstanding notched wall secured to said support around said shaft beneath said platform, a horizontal rod member extending rotatably through said depending flanges outwardly adjacent said notched wall and being supported in said flanges, an arm on said rod member lockingly engageable with said upstanding notched wall, spring means connecting said rod member to said platform and urging said rod member to rotate in a direction to bias said arm into locking engagement with said notched wall, a leaf spring secured to the underside of said platform and frictionally engaging said rod member and handle means on the opposite ends of said horizontal rod member whereby said rod member may be manually rotated from opposite sides of the platform.

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