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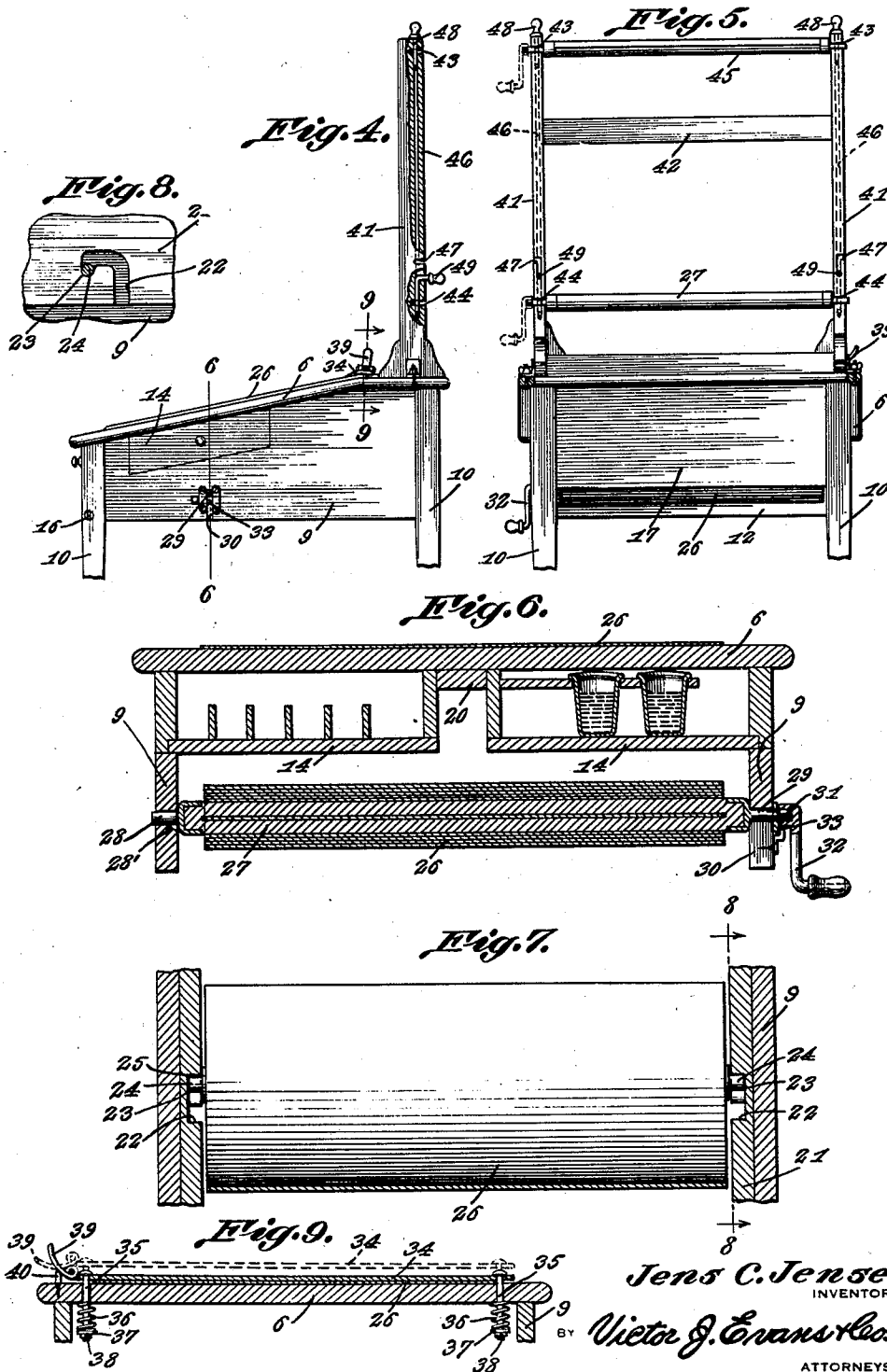
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DRAWING TABLE

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2 Sheets-Sheet 2



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DRAWING TABLE

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2 Claims. (Cl. 45—131)

My invention relates to drawing tables and has as one of the principal objects thereof the provision of a drawing table so constructed and arranged whereby a roll of drawing paper may be accommodated under the top of the table and with the paper movable over the top as used without separating the paper into sheets.

Another object of my invention is to provide a drawing table of the above described character equipped with means whereby drawings on the paper may be readily displayed.

A further object of my invention is to provide a drawing table of the above described character which is simple in construction, durable in use, efficient in operation and economical in manufacture.

Other objects and advantages will be apparent from the following description, appended claims and annexed drawings.

Referring to the drawings wherein like reference characters designate like parts throughout the several views:

Figure 1 is a front elevation of my invention.

Figure 2 is a sectional view taken on the line 2—2 of Figure 1.

Figure 3 is a top plan view of my novel form of drawing table.

Figure 4 is a side elevation of the upper portion of the drawing table and illustrating, partly in section, the means for displaying the drawings upon removal of the roll from beneath the top of the table.

Figure 5 is a rear elevation, partly in section, of Figure 4.

Figure 6 is a detail sectional view taken on the line 6—6 of Figure 4.

Figure 7 is a detail sectional view taken on the line 7—7 of Figure 2.

Figure 8 is a detail sectional view taken on the line 8—8 of Figure 7.

Figure 9 is a detail sectional view taken on the line 9—9 of Figure 4.

My novel form of drawing table, as illustrated in the drawings, comprises an inclined top 6 formed with front and rear transversely extending slots 7 and 8 respectively and a pair of side walls 9 below said top and disposed between front and rear legs 10. Subjacent the top 6 and extending between the side walls 9, I provide a pair of vertical and spaced partitions 11 and 12 respectively and which partitions are disposed in proximity to the front legs and interjacent the latter and the rear legs respectively. The opposed faces of the partitions 11 and 12 are provided with guides 13 on which

are slidably mounted drawers 14 operable to open positions through openings formed in the side walls. The drawers are equipped with partitions and receptacles respectively whereby paint brushes and paints may be conveniently stored therein.

Subjacent the top 6 and extending between the front legs, I provide a tiltable drawer 15, the latter being pivoted at its lower front end to said front legs as at 16. Said drawer 15 is adapted to contain drawing materials or the like. Subjacent the top 6 and extending between the rear legs is a vertical partition 17, the latter coacting with the partition 12 to define a rear compartment 18 disposed under said top while the partition 12 coacts with the partition 11 to define a front compartment 19 subjacent said top. Between the rear ends of the drawers 14, the under face of the top has fixed thereto an abutment 20 to limit the inward movement of the drawers when being operated to closed position, thus enabling the front faces of the drawers to be readily positioned in flush relation with the front faces of the side walls 9.

Secured to the side walls 9 within the rear compartment 18 are a pair of oppositely disposed bars 21 formed with aligned bayonet slots 22 having inner ends 23 constituting bearings in which are detachably journaled trunnions 24 of a roller 25 on which is wound a supply of drawing paper 26, the latter being trained through the slots 7 and 8 and connected to a roller 27 subjacent the drawers 14 to dispose a portion of said paper in appressed relation on the upper face of the top 6. The roller 27 is provided with a pair of trunnions 28 and 29 with the trunnion 28 journaled in a bearing 28' formed in one of the side walls 9.

The trunnion 29 extends through a slot 30 formed in the other side wall 9 and is fashioned with a squared end 31 extending an appreciable distance beyond the outer face of the respective side wall and has connected thereto a crank 32 by which the roller 27 may be rotated to wind the drawing paper thereon. Secured to the outer face of the last mentioned side wall are a pair of brackets 33, one disposed on each side of the trunnion 29 and through which slidably extends a latch for supporting the trunnion 29. Obviously, by moving the latch from under the trunnion 29, the latter may be lowered through the slot 30 and the trunnion 28 disengaged from its bearing 28', thereby enabling the roller 27 and the paper thereon to be removed from under the top 6 for a purpose hereinafter set forth.

Forwardly of the rear slot 8, the top is provided with a transverse bar 34 for normally clamping the paper to said top, the ends of the bar 34 having extending therethrough the upper ends of bolts 35 with the heads disposed over the upper face of the bar. The bolts extend downwardly through openings formed in the top 6 and have sleeved thereon coil springs 36, the upper ends of which engage the under face of the top 6 while the lower ends engage washers 37 secured on the lower ends of the bolts by means of nuts 38. The springs coact with the bolts to normally maintain the bar 34 in clamped relation with the paper.

One end of the bar 34 has hinged thereto a finger piece 39 slidably disposed over a member 40 carried by said top, whereby upon downward pressure being applied to the finger piece 39 the bar 34 will be raised with respect to the paper to permit the paper to be moved over the top by the roller 27.

Secured to the top 6, postjacent the slot 8, is a pair of upwardly extending standards 41 provided with a cross bar 42 subjacent their upper ends for maintaining said standards in spatiality. Adjacent their upper and lower ends, the standards are provided with the upper and lower horizontal slots 43 and 44 respectively for receiving therein trunnions of the roller 27 and an auxiliary roller 45 as hereinafter more fully set forth. The standards are formed with vertical bores 46 transversing the slots 43 and 44 while the lower ends of said standards, superjacent the lower slots 44, are fashioned with inverted ell-shaped recesses 47 communicating with the bores 46.

Demountable upper and lower pins 48 and 49 respectively are inserted in the bores 46 and coact with the end walls defining the slots 43 and 44 to maintain the trunnions of the rollers rotatably and detachably mounted in the slots 43 and 44. The lower pins 49 are provided at their upper ends with right angularly disposed portions engaging the lower ends of the recesses 47 to limit the downward movement of the pins and to engage the upper ends of said recesses to maintain said pins in raised positions for permitting insertion and detachment of the trunnions within the lower slots 44.

The upper pins 48 are removable from the upper ends of the bores to permit insertion and removal of the trunnions from the upper slots 43.

In operation, illustrations or pictures are drawn on that portion of the paper overlying the top wall 6 of the table whereupon the roller 27 is operated by the crank 32 to wind the paper about the roller 27 and display another portion of the paper over said top for receiving further illustrations. When a roll of said paper has thus been illustrated the roller 27 is removed and inserted between the lower end of the standards 41 and with its trunnions disposed in the lower slots 44 as heretofore set forth. The free end of the paper is attached to the auxiliary roller 45, the latter having its trunnions mounted in the upper slots 43. When the paper is thus disposed the auxiliary roller is actuated by means of a crank to effect winding of the paper on the auxiliary

roller whereby the various illustrations may be successively displayed. By providing the roller 27 with a crank and rotating said roller 27 the illustrations may be successively displayed in the opposite order.

In instances where it is not desired to wind the paper 26 about the roller 27 that portion of the paper disposed on the top and prejacant the bar 27 may be severed from the remaining paper through the medium of the bar 34, the latter constituting a cutter.

Without further elaboration, the foregoing will so fully explain the invention that others may, by applying current knowledge, readily adapt the same for use under various conditions of service. Moreover, it is not indispensable that all the features of the invention be used conjointly since they may be employed advantageously in various combinations and sub-combinations.

It is obvious that the invention is not confined to the herein described use therefor as it may be utilized for any purpose to which it is adaptable. It is therefore to be understood that the invention is not limited to the specific construction as illustrated and described as the same is only illustrative of the principles of operation, which are capable of extended application in various forms, and that the invention comprehends all construction within the scope of the appended claims.

What I claim is:

1. In a drawing table, an inclined table top supported in elevated position on depending legs, the said top having transversely extending slots therethrough, a pair of paper supply and receiving rollers, rotatably mounted below the top for feeding paper through the slots and over the upper face of the top, a bar mounted transversely on the top between the said slots, a pair of spring actuated elements attached to the end portions of the bar adapted to yieldingly force the bar toward the top surface of the table and to clampingly engage paper thereon, and an element pivotally connected to one end of the bar operable to selectively elevate an end of the bar so as to permit the insertion of a sheet of paper between the bar and the table top.

2. In a table having a top provided with transverse slots and means for feeding paper through the slots and over the face of the top between the slots, a bar mounted transversely on the top intermediate the said slots, a pair of spring actuated elements attached to the end portions of the bar adapted to yieldingly force the bar toward the top surface of the table to clampingly engage the paper thereon, an upstanding element secured to the top surface of the table adjacent one end of the bar, and a lever having its inner end pivotally connected with the end of the bar and extending across the said upstanding element on the table in fulcrumed relation, the said lever being operable to elevate an end of the bar against the action of the spring actuated element to permit the insertion of a sheet of paper between the bar and the table top.

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