

Nov. 3, 1942.

E. M. SMITH

2,300,984

TABLE RECEPTACLE

Filed Nov. 10, 1939

2 Sheets-Sheet 1

FIG. 1

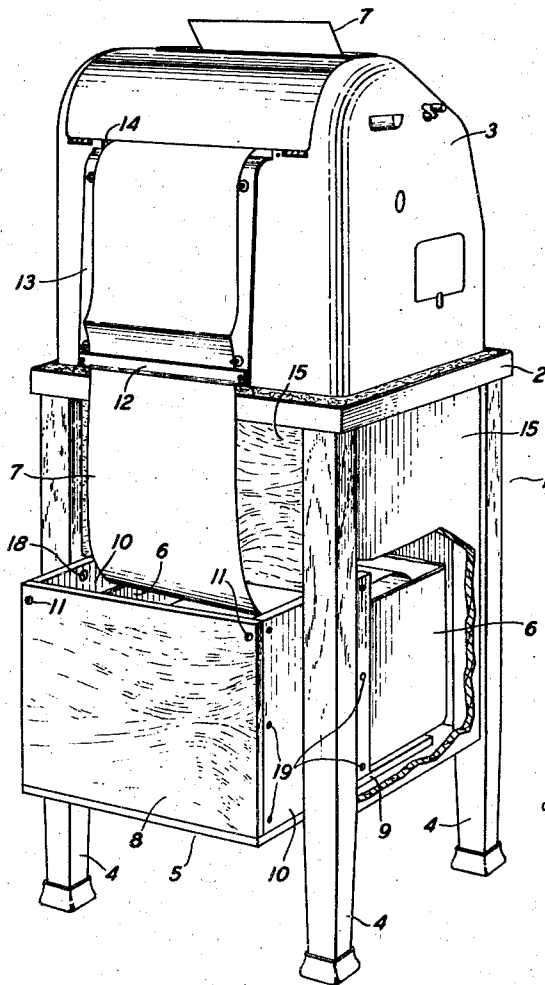


FIG. 2

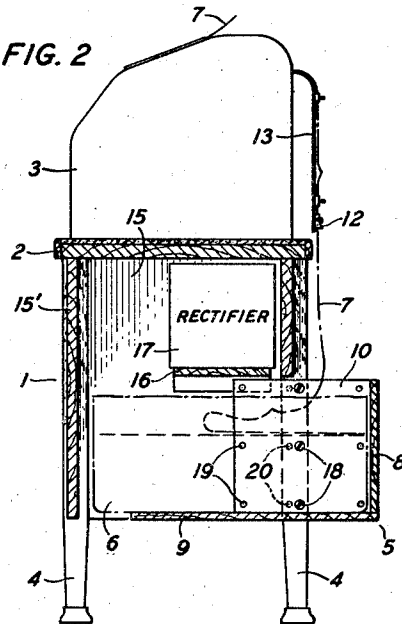
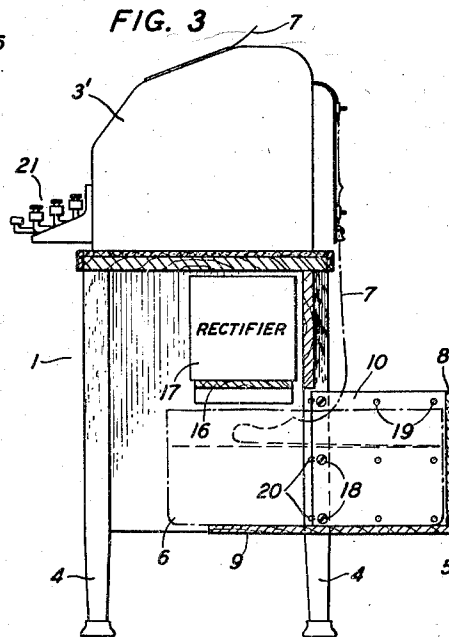


FIG. 3



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FIG. 4

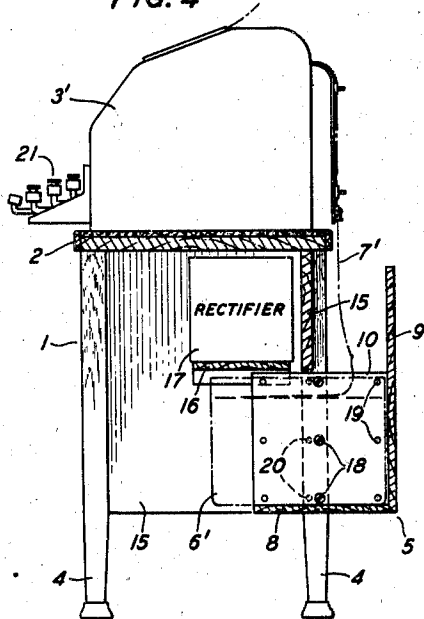


FIG. 5

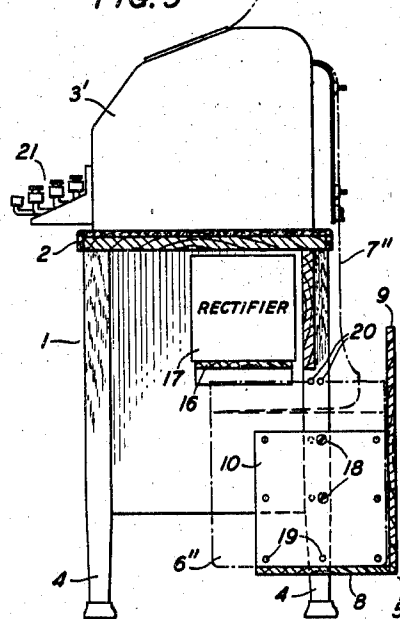


FIG. 6

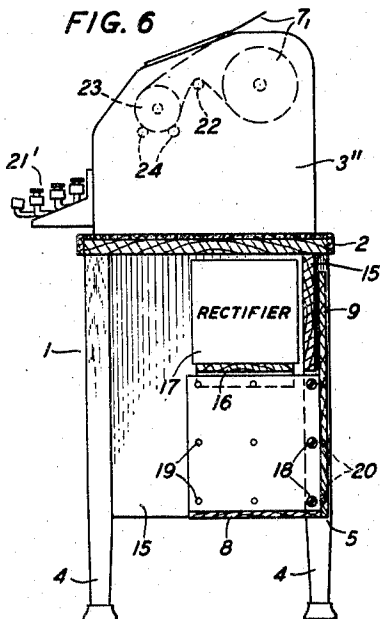
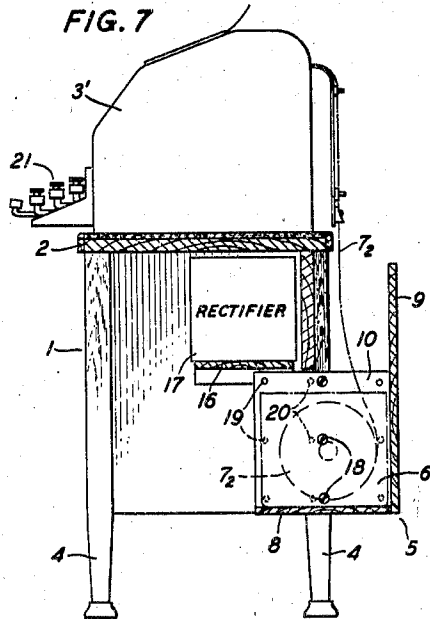


FIG. 7



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TABLE RECEPTACLE

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Application November 10, 1939, Serial No. 303,766

7 Claims. (Cl. 312—40)

This invention relates to a receptacle for supporting supplies of paper of various dimensions within a table adapted to support a printing telegraph machine.

Printing telegraph machines can be divided into two classes; namely, those that print on paper in the form of tape and those that print on paper in the form of a long sheet or page. This invention is concerned with the latter class which is commonly known as page printers. With the increase in the development and uses of page printing telegraph machines has come an increase in the variety of the paper upon which the machines print. This paper is commonly supplied folded in a zigzag manner and packed in cardboard containers. The length of the folds varies according to the individual requirements of the users. One kind of paper that is used considerably is known as "Superfold" paper which has a relatively long distance between the folds. "Superfold" paper generally is provided packed in cardboard containers approximately 19½ inches long, 9 inches high and 9½ inches wide. Another kind of paper is known as sprocket feed paper which is supplied in cartons approximately 9½ inches wide, from 9 to 13 inches high, and of varying length depending on the size of the printed forms used which vary from 3 to 16 inches in length. Still another type of paper is provided in rolls of various dimensions.

When either "Superfold" or sprocket feed paper is used, the top is torn off the carton and the carton is then placed near the printer and the paper is fed through the machine. Roll paper is either placed inside the printer or else is supported elsewhere depending on various factors. In any case, it is desirable to support the cartons of paper off the floor as a convenience in cleaning the floor. The cartons should also be located as inconspicuously as possible to improve conditions from an appearance standpoint. Space requirements sometimes make it necessary to install the cartons in positions which will not interfere with the tables being placed with their backs near a wall. Still another requirement is present when the printer supported by the table is used for sending in which case sufficient space must be provided beneath the table to accommodate the legs of the operator of the printer. Consequently, there has developed a need for a universal receptacle which can be detachably mounted within the table in a variety of readily interchangeable positions for supporting paper supplies of different dimensions in

different positions according to whether the printer is for sending or for receiving only.

It is an object of this invention to provide a teletypewriter table with a universal receptacle for supporting paper supplies of different dimensions, the receptacle being detachably secured to the table in one of a number of easily interchangeable positions according to the various dimensions of the different supplies of paper used.

It is a further object of the invention to provide a teletypewriter table with a paper supporting receptacle which is detachably secured to the table in one of a number of readily interchangeable positions according to whether space must be provided for the legs of an operator of the printer and whether the back of the table is to be placed against a wall.

These and other objects of the invention are accomplished in a manner that will be described in connection with the following detailed description of the invention with reference to the drawings in which:

Fig. 1 is a three-dimensional view of a page printing telegraph machine mounted upon a table having secured thereto the receptacle for holding a carton of "Superfold" paper;

Fig. 2 is a partially cross-sectioned side view corresponding to Fig. 1 and shows that the printer is for receiving only since it has no keyboard and also shows that the receptacle, which has its long side horizontally disposed for supporting a long carton of "Superfold" paper, is detachably secured to the table in a position for holding the paper near the front of the table in order to allow the back of the table to be placed near a wall;

Fig. 3 is a partially cross-sectioned side view of the table on which is mounted a sending printer and shows that a long carton of "Superfold" paper is supported in the receptacle which is moved further to the rear than was the case in Fig. 2 in order to provide space to accommodate the legs of an operator of the printer;

Fig. 4 is a partially cross-sectioned side view of the table on which is mounted a sending printer and shows a medium sized carton of sprocket feed paper supported in the receptacle which is secured to the table with its long side in a vertical position for providing more leg-room than when in the position shown in Fig. 3 and for enabling the table to be placed as near to a wall as when the receptacle is in the position shown in Fig. 2;

Fig. 5 is a partially cross-sectioned side view

of a sending printer mounted upon a table having the receptacle dropped down nearer the floor than is shown in Fig. 4 for supporting a taller carton of sprocket feed paper;

Fig. 6 is a partially cross-sectioned side view of the table supporting a sending printer having a roll of paper mounted inside the teletypewriter and having the receptacle secured to the table in a position such that leg-room is provided while the long side of the receptacle is held vertically against the back of the table to simulate the back panel of the table; and

Fig. 7 is a partially cross-sectioned side view of a sending printer mounted on a table having a roll of paper held in the receptacle which is secured to the table in a position similar to that shown in Fig. 4.

In Fig. 1, a table 1 is shown to have a top 2 for supporting a printing telegraph machine 3. Mounted between the two rear legs 4—4 of table 1 is a receptacle 5 for supporting a carton 6 containing a supply of "Superfold" paper 7. It can be seen from Fig. 1 that the receptacle 5 comprises an end member 8, a long bottom member 9, and two short side members 10—10. The side members 10—10 are secured to the side edges of the end member 8 and the bottom member 9 is secured to the bottom edges of the end member 8 and the side members 10—10 by dovetailing and by screws, such as screws 11—11. The entire receptacle 5 is stained and finished to match the stain and finish of table 1 so that a harmonious appearance is created. The carton 6 is placed between the two side members 10—10 and rests on the bottom member 9 which, due to its long length, securely supports the carton 6 beyond its center of gravity to keep it from tipping over the edge of member 9.

In order to shield the paper 7 from dust, the sides of the table 1 are enclosed by panels 15—15 and the paper 7 is mainly supported within the relatively dust-free confines of the panels 15—15. The rear panel 15 is shorter than the other panels 15—15 in order to allow the paper 7 to travel out of the receptacle 5 into the printer 3. Carton 6 is pushed against the end member 8 in order to utilize as much as possible the open space between the short rear panel 15 and the end member 8 to enable the paper 7 to freely unfold when it passes from the receptacle 5 to the printer 3. The paper 7 travels out of the table 1 from the carton 6 and passes under the bracket 12 of the guide member 13. The paper 7 then enters the printer 3 by means of the slot 14 and, after passing through the printer 3, subsequently comes out of the top of the printer 3.

Fig. 2 is a partially cross-sectional side view of the table 1 and receptacle 5 illustrated in Fig. 1 and shows that inside the table 1 is a shelf 16 for supporting a rectifier 17. Also shown in Fig. 2 are nine holes 19—19 which are drilled in each side member 10 of the receptacle 5 in three parallel equidistantly spaced rows. The three holes 19—19 in each row are equidistantly spaced apart by a distance equal to the distance between the rows. Each of the two rear legs 4—4 of table 1 has two parallel vertical rows of three holes 20—20. The holes 20—20 in each row are equidistantly spaced apart by a distance which is the same in each row and which is the same as the distance between the holes 19—19.

From inspection of Fig. 2, it is apparent that the printer 3 has no keyboard and is therefore designed for receiving only. Since the printer 3 is for receiving only, no provision need be made

for space to accommodate the legs of an operator and for this reason, table 1 is equipped with a door, or front panel, 15'. Consequently, the receptacle 5 is located as near the front panel 15' of the table 1 as possible in order that the end member 8 of receptacle 5 will not stick out so far as to prevent table 1 from being placed fairly close to a wall.

Receptacle 5 is held in this position by selectively aligning the middle vertical row of three holes 19—19 in the side members 10—10 with the outer, or right, row of three vertically disposed holes 20—20 in the two rear legs 4—4 of table 1. Screws 18—18 are then inserted through the aligned holes and, when tightened, they securely, but detachably, fasten receptacle 5 to legs 4—4. This permits the carton 6 to be firmly supported in an inconspicuous location and, at the same time, provides sufficient space for the long folds of the "Superfold" paper 7 to conveniently unfold when the paper 7 is pulled out of carton 6 and is fed into the printer 3 by the web feeding mechanism within the teletypewriter 3.

If table 1 did not have a front panel 15', then the receptacle 5 could be moved to the left about three quarters of an inch to permit the screws 18—18 to be inserted into the inner, or left, vertical row of holes 20—20 in legs 4—4. As the outer end of receptacle 5 would then stick out three quarters of an inch less than it did before, the table 1 could be moved that much closer to a wall.

Fig. 3 shows a sending-receiving teletypewriter 3' having a keyboard 21 for use by an operator. In order to provide space for the legs of the operator, the door 15' is omitted and the receptacle 5 is moved to the right so that the left vertical row of three holes 19—19 in the side members 10—10 will be aligned with the outer vertical row of three holes 20—20 in the legs 4—4. Six screws 18—18 are then passed through these holes 19—19 into the holes 20—20 in legs 4—4 for detachably and rigidly securing the receptacle 5 to table 1 for providing a stable support for the long carton 6 of "Superfold" paper 7.

In Fig. 4 a sending-receiving teletypewriter 3' having a keyboard 21 is supported upon a table 1 for use with a medium sized pack of sprocket feed forms 7' contained in a carton 6'. As carton 6' is smaller than the carton 6 of "Superfold" paper 7, more leg-room can be provided than was possible in Fig. 3. This is accomplished by turning receptacle 5 up on its end member 8 with its long member 9 vertically disposed outside table 1. The middle vertical row of three holes 19—19, which was the middle horizontal row of three holes 19—19 in Figs. 2 and 3, in each side member 10—10 is now aligned with the outer rows of holes 20—20 in the legs 4—4. Three pairs of screws 18—18 are then pushed through holes 19—19 into the holes 20—20 in the legs 4—4, to securely fasten receptacle 5 in place. This serves to support the carton 6' in a position which will allow the forms of sprocket feed paper 7' to easily unfold when fed through the printer 3'. This position of receptacle 5 provides ample leg-room for an operator and also allows the table 1 to be placed near a wall. Since the back of the long member 9 of receptacle 5 is finished in a manner similar to that of panels 15—15, it blends in appearance with table 1.

The sprocket feed paper 7' shown in Fig. 5 is contained in a taller carton 6'' than carton 6' shown in Fig. 4. Due to the presence of the rectifier shelf 16, it is necessary to drop the recep-

table 5 down from the position shown in Fig. 4 so that the upper two holes 19—19 in the middle vertical row in each of the side members 10—10 are aligned with the lower two holes 20—20 in the outer row in legs 4—4. Although only two pairs of screws 18—18 are now used to secure receptacle 5 to legs 4—4, this is sufficient. If desired, an additional hole could be made in each of the two rear legs 4—4 to receive a third pair of screws 18—18. This position of receptacle 5, although lower than any of its other positions, is still at a sufficient distance from the floor to permit easy cleaning of the floor. Since the spacing between adjacent holes in vertical or horizontal directions in the sides of the receptacle is uniform, it will be apparent that when the receptacle is disposed, as shown in Figs. 2 and 3, with the long wall horizontal and the short wall vertical, it may be secured in a lower position than that in which it is secured in Figs. 2 and 3, corresponding to that shown in Fig. 5, such as for accommodating a deep carton of stationery.

The teletypewriter 3'' shown in Fig. 6 is provided with a roll of paper 7₁ which is mounted under the cover of teletypewriter 3''. The paper 7₁ travels over a roller 22 and is fed around the platen 23 by the feed rollers 24—24. This is similar to the structure shown in Fig. 6 of Patent 1,904,164 granted April 18, 1933, to S. Morton et al. The disclosure of this Morton et al. patent is incorporated herein by reference as a part of this specification. Under these conditions, it is not necessary for the receptacle 5 to support a carton of paper. Consequently, in order to improve appearances, the receptacle 5 is moved to the left until its long vertically disposed member 9 nearly abuts against the rear panel 15. The right vertical row of holes 19—19 in each of the side members 10—10 is aligned with the inner left row of holes 20—20 in the rear legs 4—4 of table 1. Screws 18—18 pass through these aligned holes thereby supporting the receptacle 5 with its long member 9 held close to the rear panel 15 of table 1. Since member 9 reaches almost to the top 2 of table 1, this position of member 9 causes it to resemble the back panel 15 of table 1. As the finish on member 9 corresponds to that of panel 15, a casual glance at table 1 would not lead one to realize that the back of table 1 was actually a part of a paper receptacle. When in the position shown in Fig. 6, receptacle 5 can be used for storing additional rolls of paper 7₁ if desired.

Fig. 7 shows the teletypewriter 3' mounted upon a table 1 for printing upon roll paper 7₂ which is located in a carton 6₁ supported by the receptacle 5. The position of the receptacle 5 in Fig. 7 is the same as that shown in Fig. 4 described above and provides the operator with sufficient leg-room while also providing room for the paper 7₂ to be fed out of its carton 6₁ without projecting the receptacle 5 too far beyond the rear panel 15.

The positions of receptacle 5 that have been shown and described illustrate the great adaptability of receptacle 5 and the ease with which it can be detachably mounted in first one position and then another to meet a wide variety of different conditions and requirements. This universal receptacle 5 can be placed in positions other than those shown in the drawings according to the requirements of a particular situation. Various modifications can also be made in the structure shown in the drawings without depart-

ing from the scope of the invention which is to be limited only by the claims appended hereto.

What is claimed is:

1. A table having a receptacle detachably secured thereto including in combination a plurality of legs for supporting the table, at least one of said legs having a plurality of holes therein disposed in a plurality of parallel rows, said receptacle having an end member, two side members, at least one of said side members having a plurality of holes therein disposed in a plurality of parallel equidistantly spaced vertical and horizontal rows, the holes in each row in said side member being equidistantly spaced apart by a distance equal to the distance between the rows, the holes in each row in said leg being vertically spaced from the holes in the adjacent row by a distance which is the same as the spacing between the holes in said side member, means for securing each side member to a side edge of the end member, a long bottom member, means for securing said bottom member to the bottom edges of the end and side members, and securing means for detachably securing the receptacle to the table in any one of a variety of positions, one being with said long member vertically disposed outside the confines of the table and another being with said long member horizontally disposed partially within the confines of the table, said securing means including a plurality of screws for passing through a selected plurality of the holes in said one side member and into a selected plurality of the holes in said one table leg.

2. In combination, a table having a plurality of legs and a top for supporting a printing machine for printing upon a supply of paper, a plurality of panels for enclosing the inside of the table for keeping out dust, means for mounting said panels on said legs and underneath said top, one of said panels being shorter than the others, a universal receptacle for supporting paper supplies of different sizes beneath the top of the table, said receptacle having an open front and comprising a long bottom member and a short rear member and two short side members, and securing means for detachably and rigidly securing the receptacle beneath the top of the table in any one of a plurality of horizontal and vertical positions to accommodate the particular paper supply used in a given instance with part of the receptacle projecting beyond the short panel for allowing the paper to travel from the receptacle into the printing machine while being supported mainly within the relatively dust-free confines of the table panels, said securing means adapted to mount the receptacle with the long bottom member horizontally disposed and the short rear member vertically disposed and adapted to adjust the distance of the short rear member from the front of the table, said securing means also adapted to mount the receptacle with the long bottom member vertically disposed and the short rear member horizontally disposed as a bottom.

3. A table having a top for supporting a printing machine, a receptacle having an open end and open top for supporting a supply of paper adapted to be fed into said printing machine, and securing means for detachably securing the receptacle to the table underneath the table top in a horizontal position with the open top uppermost, said securing means adapted to secure the receptacle to the table underneath the table top

in a vertical position with the open end uppermost.

4. A table having a top for supporting a printing machine, a receptacle having an open top for supporting a supply of paper adapted to be fed into said printing machine, and securing means for detachably securing the receptacle to the table underneath the table top in any one of a plurality of horizontal positions, said securing means adapted to secure the receptacle to the table underneath the table top in any one of a plurality of vertical positions.

5. In combination, a table having a plurality of legs, a receptacle adapted to be detachably secured to said table underneath the top of the table, said receptacle having a short end member, a long bottom member and two side members, at least one of said side members having a plurality of holes therein disposed in a plurality of similar sets in either of two directions of substantially 90 degrees of divergence, the holes in each set in said side member being equidistantly spaced apart by a distance equal to the distance between the sets, at least one of said legs having a plurality of holes disposed in a set corresponding in arrangement and spacing of holes to the sets of holes in said side member, and securing means for detachably securing the receptacle to the table in any one of a variety of positions, one being with said long member vertically disposed outside the confines of the table and another being with said long member horizontally disposed partially within the confines of the table, said securing means including a plurality of screws for passing through a selected set of holes in said one side member and into the set of holes in said one table leg.

6. In combination, a table having a plurality of legs, a receptacle adapted to be detachably secured to said table underneath the top of the table, said receptacle having a short end member, a long bottom member and two side members, at least one of said side members having a plurality of holes therein disposed in a plurality of similar sets in either of two directions of substantially 90 degrees of divergence, the holes in

each set in said side member being equidistantly spaced apart by a distance equal to the distance between the sets, at least one of said legs having a plurality of holes disposed in a plurality of sets, each set corresponding in arrangement and spacing of holes to the sets of holes in said side member, and securing means for detachably securing the receptacle to the table in any one of a variety of positions, one being with said long member vertically disposed outside the confines of the table and another being with said long member horizontally disposed partially within the confines of the table, said securing means including a plurality of screws for passing through a selected set of the holes in said one side member and into a selected set of the holes in said one table leg.

7. In combination, a table having a plurality of legs, a receptacle adapted to be detachably secured to said table underneath the top of the table, said receptacle having a short end member, a long bottom member and two side members, at least one of said side members having a plurality of holes therein disposed in a plurality of similar sets in either of two directions of substantially 90 degrees of divergence, the holes in each set in said side members being equidistantly spaced apart by a distance equal to the distance between corresponding holes of adjacent sets, at least one of said legs having a plurality of holes disposed in a plurality of sets, each set corresponding in arrangement and spacing of holes to the sets of holes in said side member, and securing means for detachably securing the receptacle to the table in any one of a variety of positions, one being with said long member vertically disposed at the rear of the table and another being with said long member horizontally disposed with at least a portion thereof within the confines of the table, said securing means including a plurality of screws for passing through a selected set of holes in said one side member and into a selected set of holes in said one table leg.

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