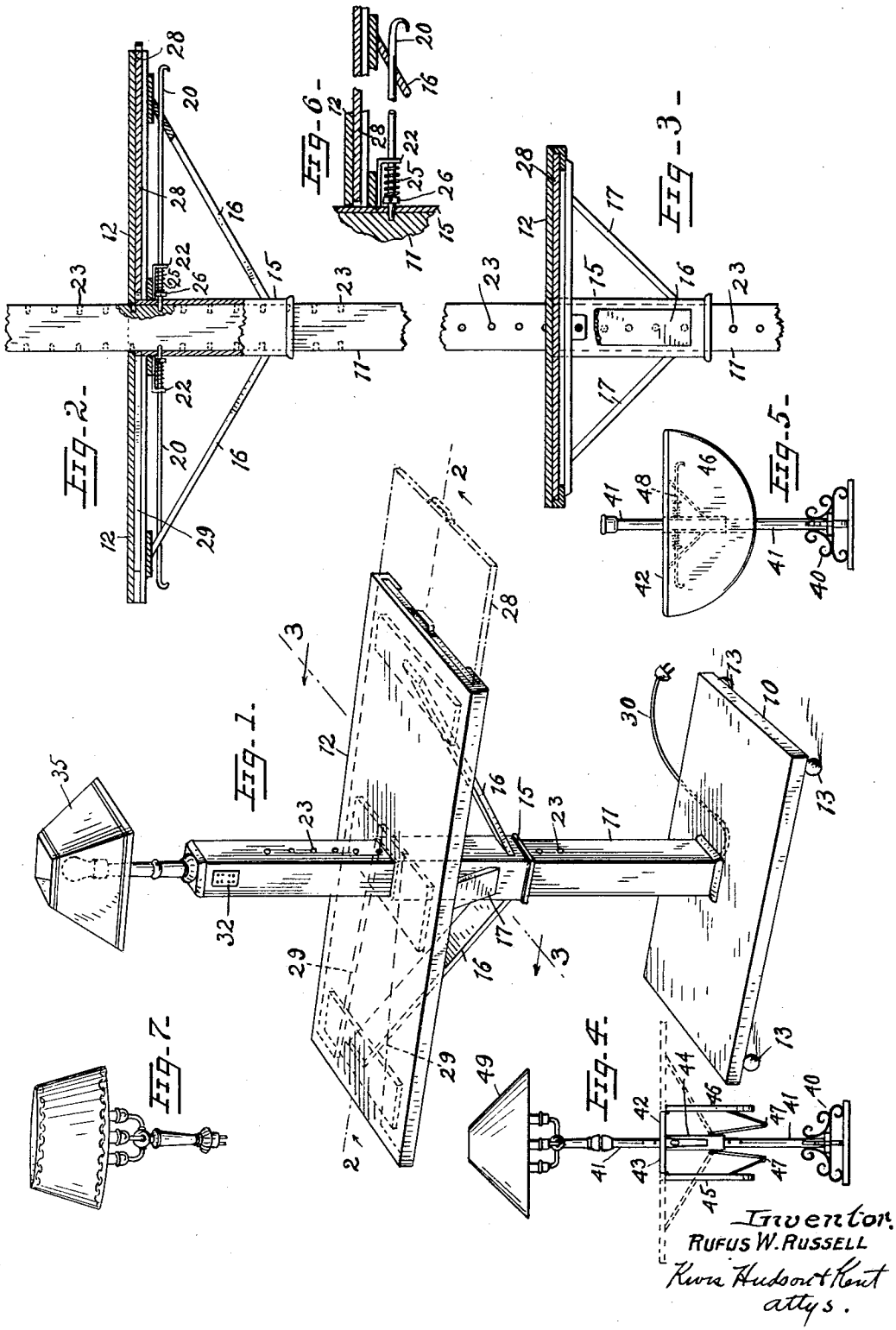
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ADJUSTABLE TABLE

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ADJUSTABLE TABLE

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1 Claim. (Cl. 45—111)

This invention relates to a table and particularly to a table having a top which can be quickly and easily adjusted to different heights.

It has been found that a table having a top which is positioned at a fixed height is not satisfactory for many kinds of service. It has also been found that the tops of most of the tables now on the market extend but a short distance beyond the legs or the base so that when the table is placed beside a piece of furniture, as for instance a bed, the table top does not project over the bed.

It is one of the objects of the present invention to provide a table having a top which can be quickly and easily adjusted to different heights.

Another object of the present invention is to provide an adjustable table having a top which is securely held after it has been adjusted to position.

A further object of the invention is to provide a table having a top which is supported substantially inwardly of its edges.

Other objects of the invention and features of novelty will be apparent from the following description taken in connection with the accompanying drawing in which:

Figure 1 is a perspective view of one form of table embodying my invention;

Fig. 2 is a partial sectional view taken along the line 2—2 of Fig. 1, with parts broken away and shown in section to more clearly show other parts;

Fig. 3 is a partial sectional view taken along the line 3—3 of Fig. 1;

Fig. 4 is an elevational view of a modified form of table embodying my invention;

Fig. 5 is a side view of the table shown in Fig. 4;

Fig. 6 is a partial sectional view showing the latch mechanism employed in the table shown in Fig. 1; and

Fig. 7 is a perspective view of a lamp adapted to be employed with a table provided by my invention.

Referring to the drawing, it will be seen that the table provided by my invention comprises a base indicated generally by the reference character 10, a central post 11, and the table top 12, which is slidably mounted on the post 11.

The base 10 is preferably a relatively flat structure, as shown in Fig. 1, and is provided with feet or casters 13, which are spaced a considerable distance apart so as to insure that the table will not tip over. A flat base is preferred as it can be pushed under a bed or other article of furniture.

As illustrated, the central post 11 is a square, hollow column which is permanently secured to the base. While it is shown as a square column, it should be understood that I do not intend to be limited to this construction, but that a round column or a post of any other shape can be employed.

The top 12 is secured to an elongated collar or sleeve 15 which is slidably fitted on the column 11. It will be seen that the post 11 projects through the table top 12. Suitable braces 16 and 17 are provided between the top 12 and the collar 15. The top is also provided with latching means to hold the top at different heights on the post 11. One form of latching means is shown in detail in Fig. 6. As illustrated, the latching means includes a rod 20 which is positioned beneath the table top 12. The inner end of the rod 20 is supported by a bracket 22, while the outer end extends through an opening in the brace 16 and is supported by this brace. The inner end of the rod projects through an opening in the collar 15 so as to engage one of the holes or notches 23 in the post 11. A spring 25 is positioned on the rod 20 and engages the bracket 22 and a collar 26 which is fixed on the rod, so as to hold the rod 20 yieldingly towards the post 11. When it is desired to move the table top the rod 20 is pulled out of the hole in the post 11. The table top and the collar 15 may then be moved up or down on the post 11, and, when the desired level is reached, the rod 20 can be released so that it will engage one of the holes 23 and hold the top in position. While one form of the table having two latches has been illustrated, it is contemplated that the table can be constructed with but a single latch.

The table illustrated is provided with a leaf 28 which can be withdrawn from the top of the table so as to increase the size of the top of the table when desired. The leaf 28 is slidably fitted under the table top so that is can be easily withdrawn or pushed back out of the way when not needed. The leaf 28 is preferably provided with a pair of integral extensions 29 adjacent its edges. The extensions 29 insure that the leaf 28 will be adequately braced when it is in the extended position. When the leaf is pushed back under the table top, the extensions 29 slide by the post 11.

A cable or electrical conductor 30 is placed inside of the post 11 and is connected to a receptacle 32 or other electrical outlet which is mounted on the post. This provides a convenient source of electric current for ultra violet ray lamps or other

electrical devices which may be employed on the table. A lamp, indicated generally by the reference character 35, may be attached to the top of the central post and receive its current from the cable 30.

A modified form of table embodying my invention is shown in Figs. 4 and 5. The table therein illustrated comprises a base indicated generally by the reference character 40, a central post 41, and a top 42 slidably mounted on the central post. The top includes a central portion 43 which is secured to the sliding collar 44 and which has leaves 45 and 46 hinged to the sides. Hinged braces 47 adapted to support the leaves 45 and 46 are attached to the sliding collar 44. This table is provided with a latch mechanism which is indicated generally at 48, and which is similar to that described in detail above. A lamp indicated generally at 49 may be mounted on the top of the column 41. This lamp is preferably fitted with a bayonet connection, as shown in Fig. 7, so that it can be easily and quickly removed. The cable leading to the lamp 49 is preferably placed within the column 41.

From the foregoing it will be seen that my invention provides a table having a top which can be quickly and easily raised or lowered as desired. It will also be seen that the table top is supported at the center and that the top projects for a considerable distance each side of the support so that when the table is placed beside a bed, the top of the table will project over the bed. The table top can, if desired, be further extended by pulling out one of the leaves. It will also be seen that the base of the table reaches but a short distance above the floor so the base can be pushed under a bed, another table or other piece of furniture with which this table is to be used. It will also be seen that the table is provided with an electrical outlet which is conveniently located above the table top.

While two embodiments of the invention have been illustrated and described in detail it should be understood that the invention is not to be limited to the details disclosed, but that the invention embraces such embodiments of the invention as fall within the scope of the appended claim.

Having thus described my invention, I claim:

A table comprising in combination a supporting base having a single post of non-circular cross-section extending substantially vertically upwardly therefrom, said base being relatively elongated in one direction, a sleeve disposed around and slidable along said post, a substantially flat one-piece table top mounted on said sleeve adjacent the upper end thereof and arranged to permanently extend in a plane which is substantially parallel to the plane of said base, said table top being relatively elongated in one direction, and cooperating locking means on said sleeve and post for retaining said table top at a desired elevation above said base, said sleeve being elongated in the direction of the axis of said post for preventing tilting of the table top and being formed with an opening for said post which corresponds substantially with the post as to size and cross-sectional shape for preventing rotation of the table top relative to the post and thereby retaining the table top with its relatively elongated axis extending in substantially the same direction as the relatively elongated axis of the base.

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