Oct. 6, 1964 A. E. BLANCO 3,152,218

SUPPORT FOR REMOTE CONTROL DEVICE

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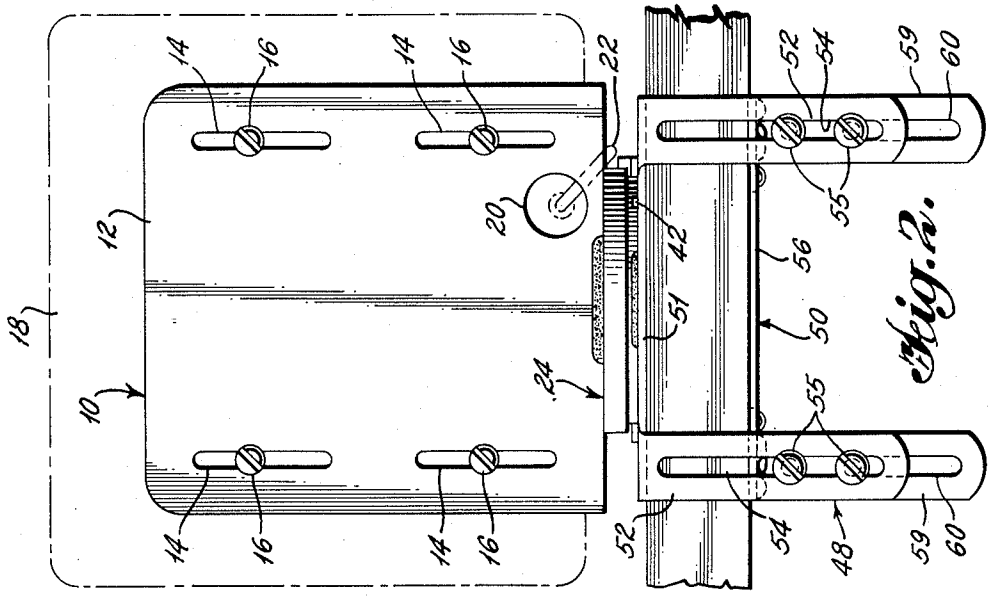


Fig. 2.

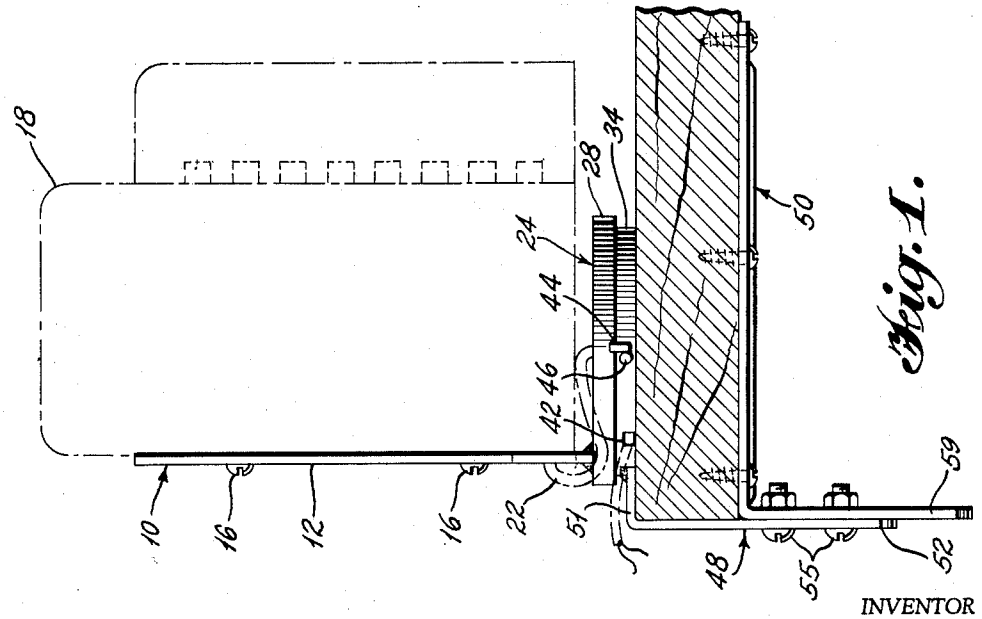


Fig. 1.

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Fig. 3.

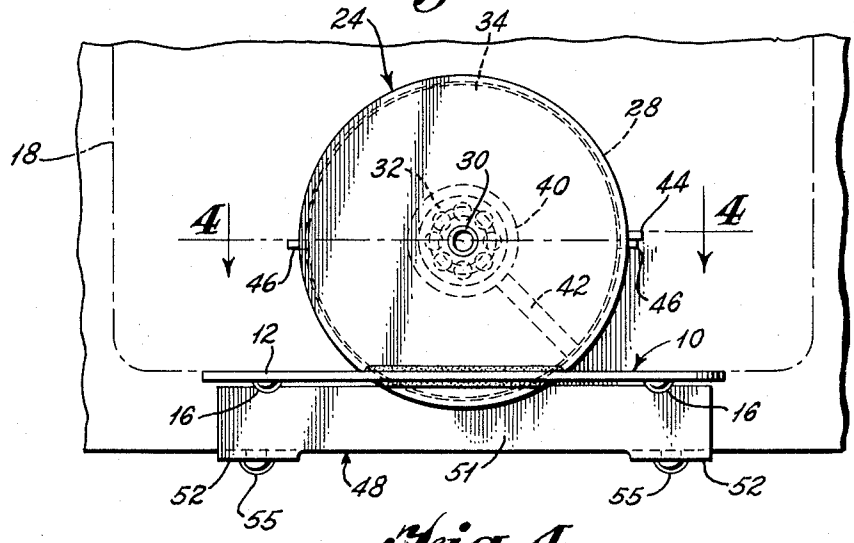


Fig. 4.

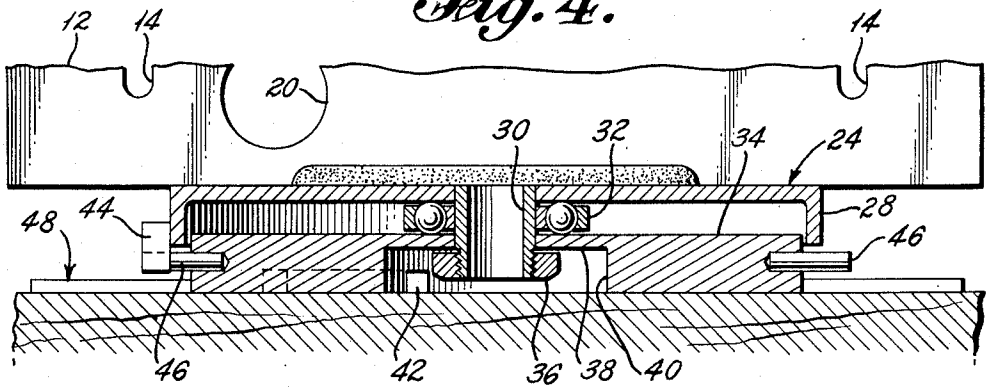
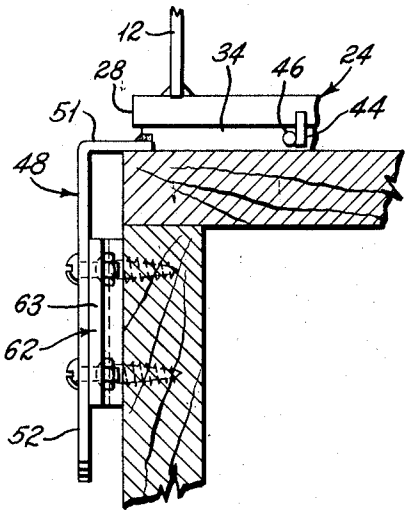


Fig. 5.



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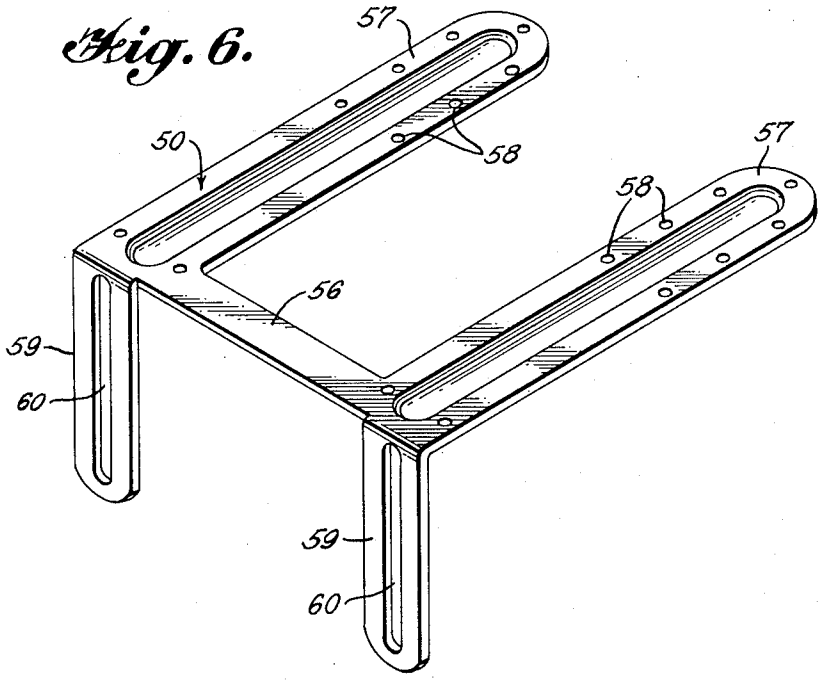
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Fig. 6.



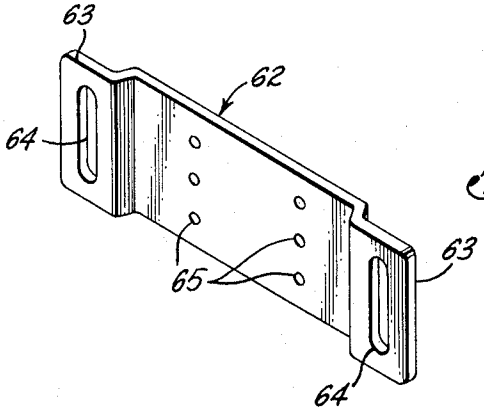


Fig. 7.

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United States Patent Office

3,152,218

Patented Oct. 6, 1964

3,152,218

SUPPORT FOR REMOTE CONTROL DEVICE

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Filed Sept. 10, 1962, Ser. No. 222,422
2 Claims. (Cl. 174—70)

This invention relates to supports for remote control devices, and more particularly to rotatable supports for remote control devices for juke boxes.

The juke box has become an important accessory in many establishments such as restaurants and taverns. Modern day techniques have provided remote control devices which permit the customers to make a selection and to operate the juke box without the necessity of the customer leaving his seat.

The devices are placed at the booths and along the counter or bar. Frequently, the employees use the devices or are requested by a customer to make a selection.

Usually, there is no remote control device which is easily accessible to employees. The employee generally must bother a customer to make a selection on the remote control device near the customer. This is an inconvenience to the customer.

Also, the operator of the juke box sometimes must inconvenience a customer when the operator is removing coins from the remote control device or changing the cards which indicate the titles of the various records.

It is an object of this invention to overcome these problems.

It is another object of this device to provide a rotatable support for remote control devices so they may be easily accessible from various angles.

It is a still further object of this invention to provide a rotatable support for remote control devices including bracket means which renders the support easily attachable to various support structures.

These and other objects of the invention may be accomplished by one embodiment wherein a support is provided with means to hold a remote control device and which means is rotatably mounted on bracket means. The bracket means is adapted to be secured adjustably to a base member which may be rigidly affixed to the counter or other supporting structure. The rotatable means and the bracket means are adapted to receive the connecting wire of the remote control device in a manner to permit rotation of the remote control device.

With this support, the remote control device may be attached to a counter in the usual location. The remote control device is accessible from the customer side of the counter or from the opposite side merely by rotating the device on the support to either position. This is convenient for customers, employees, and the juke box operator.

This embodiment of the invention is illustrated in the accompanying drawings in which:

FIG. 1 is a side view of the support mounted on a supporting surface, which is shown in section, with a remote control device mounted thereon as shown in broken lines;

FIG. 2 is a rear view of the support as shown in FIG. 1;

FIG. 3 is a partial top view of the support;

FIG. 4 is a sectional view taken along the line 4—4 in FIG. 3;

FIG. 5 is a partial view of the support secured to a modified base member;

FIG. 6 is a perspective view of the base member of FIG. 1; and

FIG. 7 is a perspective view of the base member of FIG. 5.

The support **10** includes a vertical plate **12** which is provided with a plurality of slots **14**. Fastening means **16** extend through the slots to secure a remote control device **18** thereto. The plate **12** is provided with an aperture **20** to accommodate a connecting wire **22** of the remote control device.

The plate **12** is secured rigidly to a turntable **24**. The plate **12** is illustrated as connected to the turntable **24** by welding, but may be secured thereto by means of bolts or other suitable means.

The turntable **24** may be in the form of a circular plate having a depending vertical flange **28** about its periphery. The turntable **24** is apertured at its center to receive an elongated bushing **30** rigidly secured therein by any conventional means.

A bearing **32** surrounds the bushing **30** and is supported on the upper surface of a stationary disc **34**. The bearing **32** supports the turntable **24** in a manner to permit rotation of the turntable **24** and the bushing **30** relative to the stationary disc **34**. This arrangement provides for easy rotational movement of the turntable.

The bushing **30** extends through an aperture in the disc **34**. A lock nut **36** is threadably secured thereto to retain the turntable **24** on the bearing **32** and the disc **34**. Sufficient space is provided between the lock nut **36** and the lower surface **38** of the disc **34** to avoid friction between the parts when the turntable is rotated. The disc **34** is provided with an annular cavity **40** which receives the lock nut **36**.

A channel **42** may be provided in the disc extending from the cavity **40** to the periphery of the disc. This permits the connecting wire **22** of the remote control device to extend downwardly through the bushing **30** into the cavity **40** and outwardly therefrom through the channel **42** to the side of the supporting structure for connection with a juke box or other device.

Stop means may be provided on the turntable **24** to prevent complete rotation of the turntable which would cause the connecting wire **22** to twist and eventually break. The stop means may be in the form of an elongated member **44** secured to the flange **28** of the turntable and extended downwardly therefrom.

A pair of pins **46** may be rigidly secured in the disc **34** in diametrically opposed relation. The pins **46** extend horizontally from the periphery of the disc into the path of the stop means **44** when the turntable is rotated. The stop means **44**, when in abutting relation with one pin **46**, would position the support with the control device thereon facing one side of a counter or other supporting surface. The other pin **46** would stop rotation of the support when the member **44** comes to abutting relation therewith after substantially 180° of rotation to position the control device oppositely of its initial position.

The disc **34** may be held stationary on the surface of the counter or other supporting surface by means of a bracket **48** which may be connected adjustably to a base member **50**.

The bracket **48** includes a portion **51** which may be welded or otherwise rigidly secured to the disc **34**. A pair of straps **52** depend perpendicularly from the portion **51** in spaced parallel relation with each other.

Each strap **52** is provided with an elongated opening **54** to permit the bracket to be secured to a base member in a predetermined position by suitable fastening means **55**.

In the embodiment of FIGS. 1, 2 and 6, the base member **50** is comprised of a pair of L-shaped elements disposed in spaced apart parallel relationship and joined together with a strap portion **56**. Each long leg **57** is provided with a plurality of apertures **58** to receive screws or other fastening means to secure the base member to the lower surface of the counter or other supporting structure.

When the legs **57** are secured in this manner, the short legs **59** extend downwardly from the counter top. Each leg **59** is provided with an elongated opening **60** adapted

to cooperate with the openings 54 in the bracket to receive the fastening means 55 therethrough for securing the bracket thereto.

The bracket may thus be secured to the base member with the disc 34 supported on the counter top. The elongated openings 54 and 60 permit adjustment of the bracket 48 to allow for various thicknesses of the countertop to which the support 10 is secured.

In the event the structure to which the support is secured, is not provided with access to the lower surface of the countertop as shown in FIG. 1, but instead is provided with a flush rear wall as shown in FIG. 5, a modified form of base member 62 may be provided.

The base member 62, as best seen in FIGS. 5 and 7, may be in the form of a rectangular bar having offset end portions 63. Each end portion 63 is provided with an opening 64 to cooperate with the openings 54 in the bracket to receive fastening means therethrough for securing the bracket thereto.

The base member 62 is provided with a plurality of apertures 65 to receive screws or other fastening means to secure the base member to the supporting structure.

It will thus be understood that the invention provides a rotatable support for remote control devices to make such devices accessible from any angle.

The support is simple in construction and is secured easily to existing counters or other structures.

The support is desirable to operators of juke boxes. With this support, it is more convenient for the operator to service the remote control device. Further, the support results in an economic advantage in that fewer remote control devices are necessary because of the rotatable support enabling the control device to be accessible from many positions.

While the invention has been illustrated and described in certain embodiments, it is recognized that other variations and changes may be made therein without departing from the invention as set forth in the claims.

I claim:

1. In combination with a remote control device for juke boxes, a support comprising a turntable including a vertical plate for holding said control device for rotation through an angle of substantially 180°, said turntable having a central aperture with an elongated bushing secured therein and depending therefrom, a bracket including a disc for supporting said turntable, said disc having an aperture at its center to receive said bushing, rotatable bearing means disposed about said bushing between said turntable and said disc, lock means engaging said bushing

to secure said turntable to said disc in rotatable relation therewith, said disc having an annular cavity therein to receive said lock means, means on said turntable and said disc to limit the rotational movement of said turntable, a channel in said disc communicating with said cavity and the peripheral wall of said disc, said control device having an electrical connecting wire extending through said bushing into said cavity and exiting therefrom through said channel for connection with a juke box, said bracket including a pair of depending legs having elongated openings therein, a base member adapted to have a first portion fixedly attached to a counter top and a second portion supported in perpendicular relation therewith, and means to secure said bracket to said second portion of said base member in a predetermined position.

2. In combination with a remote control for juke boxes, a rotatable support comprising a rotatable, horizontal turntable subjacent said remote control, said turntable having upper and lower faces, means fixedly connecting said turntable to said remote control, a horizontal disc subjacent said turntable, said disc having upper and lower faces, bracket means fixed to said disc and adapted to support said disc in a horizontal position, said disc and said turntable having coaxial central apertures therein, bushing means positioned in said apertures and rotatably connecting said turntable and said disc, said bushing means having a longitudinal extending bore therein, bearing means disposed about said bushing means and contacting the lower face of said turntable and the upper face of said disc, an electrically conductive connecting wire, one end of said wire being connected to said remote control, another end of said wire being directed through said bore in said bushing means and adapted to be connected to a juke box, stop means for limiting rotation of said turntable relative to said disc, said stop means including first means fixedly projecting from said turntable and second means fixedly projecting from said disc into the path of rotation of said first means.

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