July 7, 1959 R. C. WATERMAN 2,893,808

PORTABLE ILLUMINATED COLLAPSIBLE SPEAKER'S STAND

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Fig. 1.

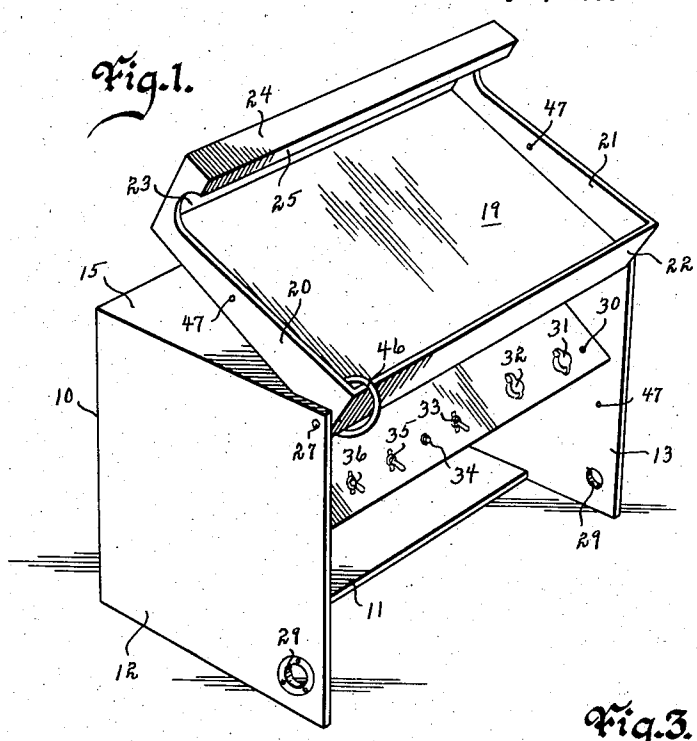


Fig. 3.

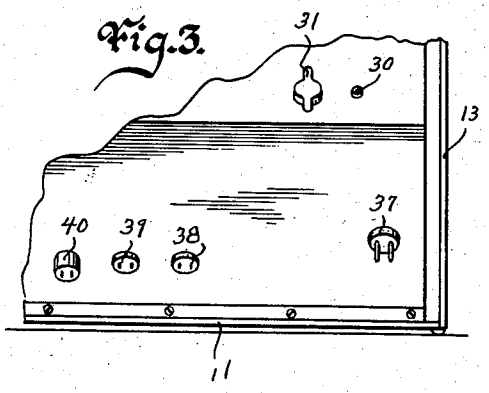
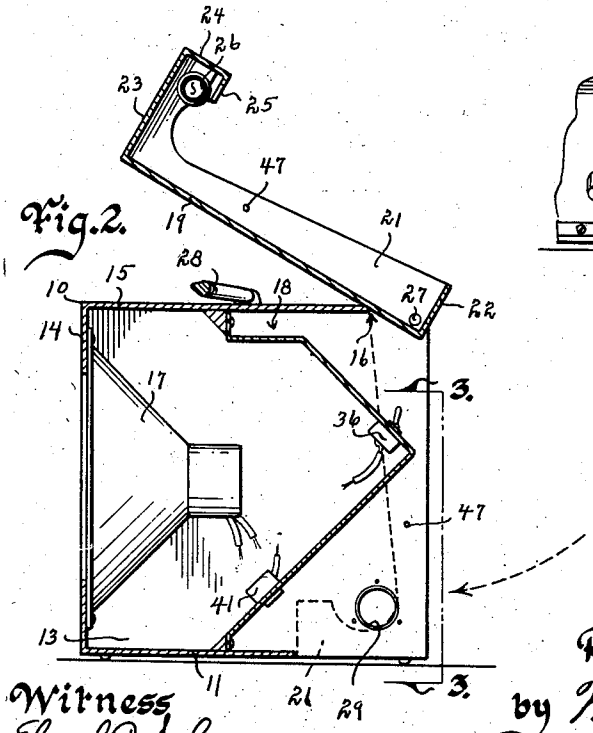


Fig. 2.



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PORTABLE ILLUMINATED COLLAPSIBLE SPEAKER'S STAND

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1 Claim. (Cl. 312—316)

Most speakers or lecturers use a high table stand to support notes, indicia and like at an angle to and in front of them. The objection, however, to such bulk equipment is that it cannot be easily transported, and, therefore, the speaker must rely on one being available at the place and time he delivers his talk. One disadvantage to this procedure is that few, if any, are alike and are therefore unfamiliar. The arrangement of papers thereon must vary from one speaking engagement to the next. Also, artificial lighting, if available, possesses many problems.

Therefore, the principal object of my invention is to provide a foldable speaker's stand that is easily transported for use by the speaker.

A further object of this invention is to provide a portable speaker's stand that in either collapsed or extended condition has a storage compartment.

A still further object of my invention is to provide a condensable speaker's stand and container that has the data desk portion illuminated.

A still further object of my invention is to provide a portable speaker's stand that includes desirable electronic control equipment, including amplifying means, speaker, picture control switches and like.

Still further objects of my invention are to provide a combination foldable speaker's stand and compartment that is refined in appearance, economical in manufacture, and durable in use.

These and other objects will be apparent to those skilled in the art.

My invention consists in the construction, arrangement, and combination of the various parts of the device, whereby the objects contemplated are attained as hereinafter more fully set forth, specifically pointed out in my claim, and illustrated in the accompanying drawings, in which:

Fig. 1 is a perspective view of my device opened and ready for use,

Fig. 2 is a vertical sectional view of my combination compartment electronic equipment and speaker's stand in open condition and ready for use,

Fig. 3 is an enlarged back view showing some of the electronic equipment control means.

In these drawings I have used the numeral **10** to generally designate the container portion. This container is of a box-housing design, having a partial bottom **11**, sides **12** and **13**, front **14** and partial top **15**.

This housing may be of any suitable shape. It is unique in that it has no back wall and its top **15** and its bottom **11** terminates prior to the extreme rear plane of the housing as shown in Fig. 2. Thus the sides of the housing extend rearwardly beyond the rear edge of the bottom **11** and beyond the rear bar edge of the top **15**. This rear bar edge is designated at **16**, the purpose of which will be later appreciated. Inside the housing I have mounted substantially all of the electronic equipment normally used by a speaker. Such equipment, of course, will include hook-up for microphones, amplifiers,

electrical speakers, light controls, volume controls, projector slide controls, motion picture projector power, volume, tone, manual slide changer and like. Inasmuch as the device is a self-contained unit, two speakers **17** are recommended for the inside of the box. Obviously, this speaker or speakers communicate through the front **14** of the box. Despite all of the electronic equipment inside the box, there is sufficient room to store any items desired by the user. Papers, data, lecture notes, etc. may be placed in the space **18**. Also, microphones and electric cords may be stored therein. In the use of my device, fixed microphones may be used and detachably secured by any suitable means to the outside of the housing or, if desired, portable microphones may be used and, when not in use, stored inside the box housing. The purpose of my device is that all such necessary equipment be capable of being housed within the single unit housing, thereby not only making it very handy for the operator, but facilitating transportation from one speaking engagement to the other. By the bottom **11** and top **15** terminating prior to the rear plane of the housing, the sides **12** and **13** provide ears for hingedly mounting my hinged speaker's data, platform desk **19**. This part **19** is rectangular in shape and substantially the same width as the distance between the two sides **12** and **13** and also, when closed in closed position, having a height substantially the height of these two sides. When the part **19** is in open condition, as shown in Fig. 1, it will be noted that it has two side boards **20** and **21**, a lower back side board **22** and a front side board **23**. Extending over the extreme forward ends of the sides **20** and **21** and over the front board **23** is a bar **24**, as shown in Fig. 2. This bar **24** has a downwardly extending flange **25** to provide an inverted trough portion for holding an incandescent desk bulb **26**. This bulb has an electric communication with an electric lead cord **46**. The sides **20** and **21** decrease in height as they extend forwardly and upwardly. This desk unit portion is hinged to the housing by a pivot shaft means **27** extending through the upper rear corner of the side **12** and the side **20** and through the upper rear corner of the side **13** and the side **21**, respectively. When the member **19** is swung upwardly and forwardly to an open position, it will engage the rear edge **16** of the top **15**, thereby holding it in a forwardly and upwardly position, as shown in Fig. 2. Obviously the data used by the one making a talk or announcement will be placed on the top of the portion **19** and will thereby be directly in front of the speaker in proper condition and illuminated by the light **26**. The side boards **20**, **21** and **22** will retain this data material. When not in use, the member **19** is swung rearwardly and downwardly and becomes the rear side of the box housing. Also, the retaining back board **22** will complete with the top **15**, the entire top of the box housing, inasmuch as the height of the part **22** is substantially that of the distance between the back edge of the top **15** and the rear vertical plane of the housing. The sides **20** and **21** will pass to the inner sides of the sides **12** and **13**, and the front board **23** will fill the space between the rear end of the bottom **11** and the back vertical plane of the box housing. When the member **19** is in closed position, the box housing will be completely enclosed, as shown by broken lines in Fig. 2. The spring pawl catch means **47** may be used for yieldingly holding the member **19** in closed position.

The numeral **28** designates a handle on the top **15** to facilitate the manual carrying of the entire unit. In the lower rear corner of each of the sides **12** and **13**, I have provided an opening **29**, as shown in Fig. 1. To open the desk platform, the finger of the user is inserted through one of these openings to start the opening of the desk platform **19** from the yieldable catch means **27**.

Once the desk platform has been started, it is then easily grasped and swung upwardly and forwardly to an effective position, as shown in Fig. 1. Once the device is in open usable condition, the necessary lead wires may be passed through these holes 29. The height of the wall 23 is substantially greater than that of the wall 22.

As before indicated, any required suitable electronic equipment and controls therefor may be housed in the box. In the drawings I used the numeral 30 to designate a mike jack. The numeral 31 shows an on and off and tone switch. The numeral 32 designates a volume control knob, the numeral 33 the projection power. The numeral 34 designates slide changer, and the numeral 35 room lights switch. The numeral 36 designates the stand light switch. The numeral 37 designates the main electric line hook-up connection. The numeral 38 designates the projector power hook-up. The numeral 39 designates the room lights hook-up. The numeral 40 designates the manual changer hook-up. The numeral 41 designates the slide changer hook-up.

From the foregoing, it will be seen that I have provided a speaker's aid that is compact, portable, and complete.

Some changes may be made in the construction and arrangement of my portable illuminated collapsible speaker's stand without departing from the real spirit and purpose of my invention, and it is my intention to cover by my claim, any modified forms of structure or use of mechanical equivalents which may be reasonably included within their scope.

I claim:

In combination, a housing container having two sides, a front, a bottom and a top, the last two of which terminates forward of the rear vertical plane of the housing container; said rear edge of said top forming a bar stop, a flat member hinged between the two upper rear portions of said two sides, respectively, and capable of being swung in one direction into engagement with said bar stop edge of said top and to extend over said top at an angle thereto whereby a speaker's platform over the container is formed and capable of being swung more than one hundred and eighty degrees in the other direction to a closed position for closing the rear side of said housing container, a flange on the inner hinged end of said flat member for closing the remainder of the top of said housing container when said flat member is in a closed position and a flange member for closing the remainder of the bottom of said housing container when said flat member is in a closed condition; said flange on the outer end of said flat member having a hood portion for retaining a light means.

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