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A. S. SPARKS

2,533,147

FOLDING TABLE FOR ATTACHMENT TO VEHICLE DOORS

Filed Oct. 13, 1948

Fig. 1.

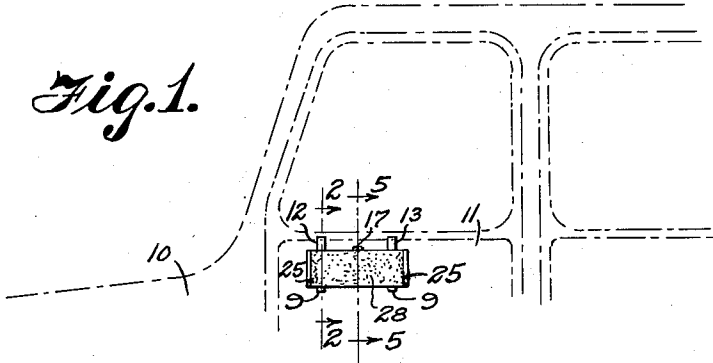


Fig. 2.

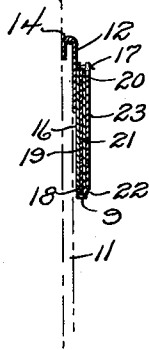


Fig. 3.

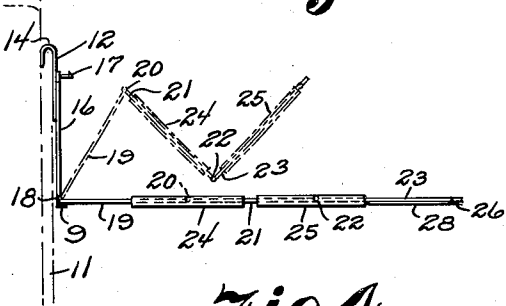


Fig. 4.

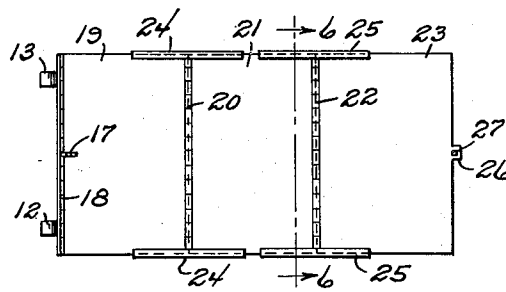


Fig. 5.

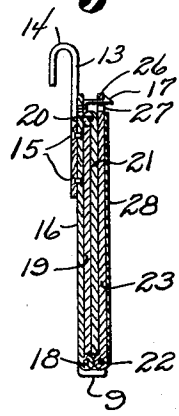
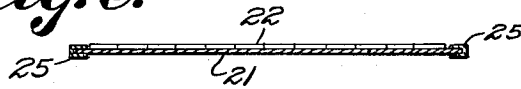


Fig. 6.



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UNITED STATES PATENT OFFICE

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FOLDING TABLE FOR ATTACHMENT TO
VEHICLE DOORS

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1 Claim. (Cl. 311-22)

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This invention relates to a folding table, and more particularly to a folding table adapted to be attached to a door of a vehicle.

The object of the invention is to provide a table adapted to be attached to a vehicle door for supporting articles of food thereon.

Another object of the invention is to provide a table adapted to be attached to a vehicle door which can be extended to support articles of food thereon, and which can be folded into a compact unit when not needed.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawings forming a part of this application, and in which like numerals are employed to designate like parts throughout the same:

Figure 1 is a side elevational view of the table in folded, out-of-the-way position attached to the inside of a vehicle door;

Figure 2 is an enlarged sectional view taken on the line 2-2 of Figure 1;

Figure 3 is a front elevational view of the table attached to a vehicle;

Figure 4 is a top plan view of the table in extended position;

Figure 5 is an enlarged sectional view taken on the line 5-5 of Figure 3;

Figure 6 is an enlarged sectional view taken on the line 6-6 of Figure 4.

Referring in detail to the drawings, the numeral 10 designates a portion of a vehicle provided with doors 11 (broken lines) from which the door trim has been removed. The table of the present invention is preferably fabricated of metal and is for use of the occupants within the vehicle, and the table can be attached to either the right front door or the rear doors.

The table comprises a pair of spaced, parallel brackets 12 and 13 which have their upper ends bent, as at 14, to define hooks which provide a means for supporting the table on the vehicle door.

Secured to the brackets 12 and 13 by rivets 15, Figure 5, is a first vertically-disposed flat rectangular section 16. A catch 17 having a slight resiliency is secured to the upper end of the first section 16 for a purpose to be subsequently described. A lip 9 projects from the bottom of the first section 16 for maintaining the second section 19 horizontal when the table is being used. A hinge 18 connects the lower portion of the first section 16 to one end of the second section 19. A hinge 20 connects the other end of the second section 19 to one end of a third section 21, and a hinge 22 connects the other end of the third sec-

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tion 21 to one end of a fourth section 23. A pair of channel members 24 and 25 are mounted for sliding movement along the sides of the sections for bracing the sections when the table is in extended position. Thus, when the table is in extended position, the channel members 24 and 25 are moved so that they extend between the second and third sections, and third and fourth sections, respectively to thereby brace the joints between the latter. When the table is to be folded out of the way, the channel members 24 and 25 are moved in the directions of the arrows, Figure 4, to permit the sections to be pivoted about their respective hinges.

Secured to the outer end of the fourth section 23 is a lug 26 provided with an aperture 27 for receiving the catch 17 when the table is folded to thereby provide a means for releasably maintaining the table in folded position.

The bottom of the fourth section 23 has secured thereto a leather strip or covering 28 which provides an attractive exterior for the table when in folded position, Figures 1 and 5.

In use, the table can conveniently be installed on the door of a vehicle without interfering with the arrangement of the vehicle. The table is useful as a service table for beverages, and the like while the occupant is seated in the vehicle. It can also be used while traveling on passenger trains, planes, and buses, for letter writing purposes as well as for supporting articles of food.

As many embodiments may be made of this inventive concept, and as many modifications may be made in the embodiment hereinbefore shown and described, it is to be understood that all matter herein is to be interpreted merely as illustrative and not in a limiting sense.

I claim:

A collapsible table comprising a pair of spaced brackets, a vertically disposed first section secured to said brackets, a second section having one end hingedly connected to the lower end of said first section, a third section having one end hingedly connected to the other end of said second section, a fourth section having one end hingedly connected to the other end of said third section, a pair of channel members slidably arranged on the sides of said sections for bracing the sections when the table is in extended position, a catch secured to said first section, and a lug secured to said fourth section, there being an aperture in said lug for receiving said catch when the sections are in their folded position.

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