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CARRYING MEANS

The invention relates to carrying means which may be used to carry any light-weight devices such as table cooking devices, for example an electrically-heated receptacle for placing on a table.

- 5 An object of the invention is to provide a carrying means which is simple in construction and easy to manufacture.

According to the invention the means for carrying a light-weight object comprises a pair of support members to be secured to the light-weight object to be carried and a pair of resiliently
10 bendable handles carried by said support members in bent positions, each of said support members having a pair of pivot holes in horizontal alignment on a wall thereof which will be upright in use, each of said handles having at each of its extreme ends a pivot pin projecting outwardly with respect to said support
15 members, said pivot pins being pivotally carried in said pivot holes, a stop at the upper end of said upright wall to be engaged by each of the handles to limit the angular movement of said handles and a gap at the lower end of said upright wall to permit the handles to be pivoted.

- 20 The invention also includes a light-weight object having carrying means in accordance with the immediately preceeding paragraph.

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An embodiment of carrying means in accordance with the invention will now be described by way of example referring to the accompanying drawings in which:-

5 Figure 1 is a perspective view showing an electrically-heated receptacle for placing on a table and having a lid separated from a tray member,

Figure 2 is a perspective exploded view showing a support member and a part of carrying handles for the receptacle shown in Figure 1,

10 Figures 3 and 4 are prespective views showing a support member for the handles and a pair of the carrying handles engaged with the support member.

Figure 1 shows the electrically-heated receptacle for placing on a table.

15 The receptacle comprises a tray member 1 of which the peripheral wall is made of metal plate and a lid 2. Support members 3, 3' made of a thermostable synthetic resin, better shown in Figures 2 to 4, are secured to the peripheral wall of the tray member 1 at their longitudinal ends by means of screws (not shown) or
20 like fixing devices so that flat vertical engagement surfaces 4 of the support members 3, 3' contact the peripheral wall of the tray member 1. The support members 3, 3' each have a recessed vertical wall 5 provided with pivot holes 6, 6' in horizontal alignment with a space between them. The recessed wall 5 has a
25 stop 7 at its upper end. Further a gap 8 is provided at the lower end of the recessed wall 5. Carrying handles 9, 9' are made of bent steel wire having a generally rectangular cross section and of elasticity such that the handles will straighten resiliently at all times. The carrying handles 9, 9' if released
30 at their ends, have respective pivot pins 10, 10' fixed at the

vicinity of each end of each handle by peening so as to project outwardly. The pivot pins 10, 10' are inserted into and are pivotally supported by said pivot holes 6, 6' provided in the recessed vertical wall 5.

- 5 The carrying handles 9, 9' when thus engaged pivot individually about the respective pivot pins 10, 10'. When, for example, the lid 2 mounted on the tray member 1 is to be removed in order to place food in the tray member 1, the carry handles 9, 9' located at a position shown in Figure 4 are rotated through 90° so as to
10 be moved to positions as shown in Figure 3. In these positions, the extreme ends of the carrying handles 9, 9' abut the stop 7 so that they are safely prevented from pivoting further.

- Conversely, when the carrying handles 9, 9' are rotated through 90° from the positions shown in Figure 3 to the upright positions
15 shown in Figure 4, their extreme ends project into the gap 8 so that even if the extreme ends should be drawn inwardly, the pivot pins 10, 10' will be prevented from leaving the pivot holes 6, 6', thereby assuring easy and safe transport of the hot receptacle.

- 20 Thus the carrying handles 9, 9' may be readily and quickly engaged with the support members 3, 3' and, when engaged, are free from accidental disengagement due to their tendency to straighten at all times.



CLAIMS

1. Means for carrying a light-weight object, said means comprising a pair of support members to be secured to the light-weight object to be carried and a pair of resiliently bendable handles carried by said support members in bent positions, each of said support members having a pair of pivot holes in horizontal alignment on a wall thereof which will be upright in use, each of said handles having at each of its extreme ends a pivot pin projecting outwardly with respect to said support members, said pivot pins being pivotally carried in said pivot holes, a stop at the upper end of said upright wall to be engaged by each of the handles to limit the angular movement of said handles and a gap at the lower end of said upright wall to permit the handles to be pivoted.

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2. A light-weight object to be carried having carrying means comprising a pair of support members secured at spaced positions to the light-weight object and a pair of resiliently bendable handles carried by said support members in bent positions, each of said support members having a pair of pivot holes in horizontal alignment on a wall thereof which will be upright in use, each of said handles having at each of its extreme ends a pivot pin projecting outwardly with respect to said support members, said pivot pins being pivotally carried in said pivot holes, a stop at the upper end of said upright wall to be engaged by each of the handles to limit the angular movement of said handles and a gap at the lower end of said upright wall to permit the handles to be pivoted.

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3. An electrically-heated receptacle for placing on a table, the receptacle having carrying means constructed

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substantially as described herein and shown in the
accompanying drawings.
