

PATENT SPECIFICATION

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DRAWINGS ATTACHED

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(54) CHANDELIER

(71) We, STAR INDUSTRIAL CO. LTD. a
Hong Kong Company of, 25 Tai Yau Street,
San Po Kong, Kowloon, Hong Kong, do
hereby declare the invention, for which we
pray that a Patent may be granted to us, and
the method by which it is to be performed,
to be particularly described in and by the following statement:—

The invention relates to chandeliers and in particular to an arrangement for supporting the pendants in a chandelier.

The invention therefore provides a chandelier comprising a plurality of pendants and a support member having a plurality of pendant carriers extending therefrom each pendant having an aperture which receives a pendant carrier and each pendant carrier comprising a prong having a stem portion dimensioned to enter the pendant aperture and a head portion, the prong being longitudinally divided to form a plurality of spaced resilient prong portions which can be flexed towards each other and the head portion being dimensioned to form an abutment to retain the pendant on the carrier but being capable of passing through the pendant aperture when the carrier prong portions are flexed towards each other.

When the chandelier is hung, the support member and pendant carriers are horizontal and the pendants hang vertically.

One embodiment of the invention will now be described with reference to the accompanying drawings in which:—

Figure 1 is a plan view of a chandelier according to the invention,

Figure 2 is a sectional elevation omitting the pendants so as to show the relationship between the main support members,

Figure 3 is a section on the line III—III of Figure 1,

Figure 4 is a section on the line IV—IV of Figure 1,

Figure 5 is a detail on the line V—V of Figure 4,

Figure 6 is a detail on the line VI—VI of Figure 4, and

Figure 7 is a front view of a pendant as

used with a chandelier according to the invention.

Referring first to Figures 1 and 2, the chandelier shown comprises four annular horizontal support members 1 which are identical in circumferential cross section (see Figures 3 and 4) and which merely differ in overall diameter. The support members 1 are interconnected by chains 2 so as to present a tiered arrangement as shown in Figure 2. Further chains 3 connect the upper support member 1 to a lamp holder 4 which is carried on a cable sleeve 5. The horizontal support members 1 carry pendants 6 (see also Figure 7) which are thus displayed in four concentric tiers as shown in Figure 1.

Turning now to Figures 3 and 4, each horizontal support member 1 comprises an outer cylindrical member 7 and an inner cylindrical member 8 which has an upper inwardly extending flange 9. At intervals, the cylinders 7 and 8 are interconnected by tie rods 10 whereby a rigid composite structure is formed. The inner face of the cylinder 7 has a series of pendant support prongs 11 extending horizontally therefrom, each prong comprising a stem portion 12 and a head portion 13. The head portion 13 has overall dimensions which are substantially greater than those of the stem portion 12 as best seen in Figure 6. Referring also to Figures 5 and 6, it will be seen that each prong 11 is longitudinally split into two prong portions 11a and 11b which are identical mirror copies of each other. The prong portions 11a and 11b are sufficiently flexible to enable the portions thereof forming the head 13 to be brought together to reduce the overall dimensions thereof.

Turning now to Figure 7 which shows a pendant 6, an aperture 14 is formed therein, the width of which is greater than the overall dimensions of the stem 12 but less than the overall dimensions of the head 13 of the prong 11. The pendant 6 can be readily located on the cylinder 7 by forcing the head portions 13a and 13b together to allow the aperture 14 to receive them whereupon the pendant is then supported on the stem 12.

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The cylinders 7 and 8, the flange 9, the tie rods 10, and the prongs 11 can conveniently be moulded from plastics material as a single integral unit.

5 As best seen in Figure 4, the chains 2 and 3 can conveniently be connected to the horizontal support members by bolts 15 which are secured in apertures in the flange 9.

WHAT WE CLAIM IS:—

10 1. A chandelier comprising a plurality of pendants and a support member having a plurality of pendant carriers extending therefrom each pendant having an aperture which receives a pendant carrier and each pendant
15 carrier comprising a prong having a stem portion dimensioned to enter the pendant aperture and a head portion, the prong being longitudinally divided to form a plurality of spaced resilient prong portions which can be flexed
20 towards each other and the head portion being dimensioned to form an abutment to retain the pendant on the carrier but being capable of passing through the pendant aperture when the carrier prong portions are flexed towards
25 each other.

2. A chandelier as claimed in claim 1, wherein the support member comprises a first element defining a closed figure and having said pendant carriers extending therefrom and

a second element defining a similar but smaller 30 closed figure of corresponding configuration and connected to said first element by tie rods.

3. A chandelier as claimed in claim 2, wherein said support member is annular in form and said pendant carriers extend radially 35 from said first element.

4. A chandelier as claimed in claim 3, wherein said pendant carriers extend radially inwardly from said first element.

5. A chandelier as claimed in any one of claims 2 to 4, wherein said second element 40 has a flange extending from the upper periphery thereof towards said first element.

6. A chandelier as claimed in any one of claims 1 to 5, wherein said support member 45 is formed as a single plastics moulding.

7. A chandelier as claimed in any one of claims 1 to 6 and comprising a plurality of concentrically arranged support members capable of arrangement in tiered relationship by 50 interconnecting flexible elements.

8. A chandelier substantially as hereinbefore described with reference to the accompanying drawings.

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