

PATENT SPECIFICATION

Inventors: FRANCIS JOHN PRIOR and WERNER ALTON.



644,540

Date of Application and filing Complete Specification: July 16, 1948.

No. 19109/48.

Complete Specification Published: Oct. 11, 1950.

Index at acceptance.—Class 38(i), E3a4a, E7e(2: 3), E11.

COMPLETE SPECIFICATION

Improvements in or connected with Blocks or Carriers for
Electric Terminals or Sockets

We, **TRIX LIMITED**, of 91, Regent Street, London, W.1, a British Company, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The invention relates to blocks, panels or carriers for electric terminals or sockets and particularly for terminals which are located in a hole in the block or panel, such as for instance, a terminal consisting of a head, a hole in the head, and two or more tongues connected with the head, the tongues being held in the hole so that a bare wire or the bared end of a covered wire can be inserted through the hole in the head to be gripped in electrical contact by the tongues, but the block or panel can be used with other types of terminals or sockets which are secured in holes in the block or panel.

According to this invention, a block or panel for mounting terminals or sockets, comprises two identical sections, each section being formed on one edge with square ended recesses and square ended projections of less depth than the recesses so arranged that when the sections are assembled the projections enter the recesses leaving square openings between the ends of the projections and bottoms of the recesses for receiving the terminals or sockets.

The invention will be clearly understood from the following description aided by the accompanying drawings:—

Figure 1 is a front view of a block suitable for one or two terminals. Figure 2 is a plan of same, and Figure 3 a front view of a modification.

The invention can be carried into effect in various ways as to detailed construction.

[2]

In the example shown in Figures 1 and 2 of the accompanying drawings, a terminal block comprises two sections 1, 2. Each section is identical and may be moulded or otherwise constructed of any suitable insulating material. Each section 1, 2 is formed on one edge with a rectangular or square projection 3, a central rectangular recess 4 and a rectangular recess 5 of greater depth than the length of the projection 3, so that when the two sections are placed together with the shaped edges in contact, as shown in Figure 1, the projections 3 enter the opposite recesses 5 with the central recesses 4 coinciding thus producing three square holes arranged at different heights, the terminals being located in the recesses 4, 5, before the sections 1, 2 are placed together.

The sections 1, 2 may be secured or held together in any manner, for instance as shown in Figures 1 and 2, the sections 1, 2 may be formed with longitudinal slots 6 in the non-shaped edges so that when assembled the block may be engaged in a frame or holder engaging in the slots 6.

In the modification shown in Figure 3, a block or panel may consist of a number of blocks comprising end blocks 7 formed with the recess 4, 5 and projections 3 in one edge and intermediate blocks or panels 8 formed on two opposite sides with the recesses 4, 5 and projections 3 so that any number of identical blocks 8 with the two identical blocks 7 may be employed to accommodate any desired number of terminals and length of terminal strip desired.

It will be understood that any number of projections and recesses may be provided according to the number of terminals, for instance, for two terminals the recesses 4 could be omitted and where

more than two terminals are required in one block, more than two recesses 5 and projections 3 could be employed. All the recesses 5 and projections 3 could be of the same lengths or some of the recesses 5 and projections 3 could be of different lengths.

If desired the blocks could be formed with the recesses and projections on each of the four edges and edge blocks with recesses and projections on one edge could be employed for adjoining to each side edge of the main section.

The sections of the blocks could be constructed of different coloured material or painted, such as for instance, one section could be red for the positive lead terminal and the other section black for the negative lead terminal.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. Blocks or panels for mounting terminals or sockets, comprising two identical sections, each section being formed on one edge with square ended recesses and square ended projections of less depth than the recesses so arranged that when the sections are assembled the projections enter the recesses leaving square openings between the ends of the projections and bottoms of the recesses for receiving terminals or sockets, substantially as set forth.

2. Blocks or panels for mounting elec-

tric terminals or sockets and formed in sections, comprising identical intermediate sections formed with square ended recesses and square ended projections of less depth than the recesses on opposite edges and identical end sections formed on one edge with recesses and projections identical with the recesses and projections on the intermediate sections, so arranged that when assembled the projections on one section enter the recesses of the adjoining section or sections leaving square openings between the ends of the projections and bottoms of the recesses for receiving terminals or sockets, substantially as set forth.

3. Blocks or panels as claimed in Claim 1 or 2, wherein additional oblong recesses are formed in the meeting edges of the sections, so arranged that when assembled square holes are formed between the sections for receiving terminals or sockets, substantially as set forth.

4. Blocks or panels as claimed in any of the previous claims wherein the sections are of different colours, substantially as set forth.

5. Blocks or panels for mounting terminals or sockets constructed substantially as described with reference to Figures 1 and 2, or Figure 3, of the accompanying drawings.

Dated this 16th day of July, 1948.

H. GARDNER & SON,
Chartered Patent Agents,
173—4—5, Fleet Street, London, E.C.4.
Agents for the Applicants.

[This Drawing is a reproduction of the Original on a reduced scale.]

