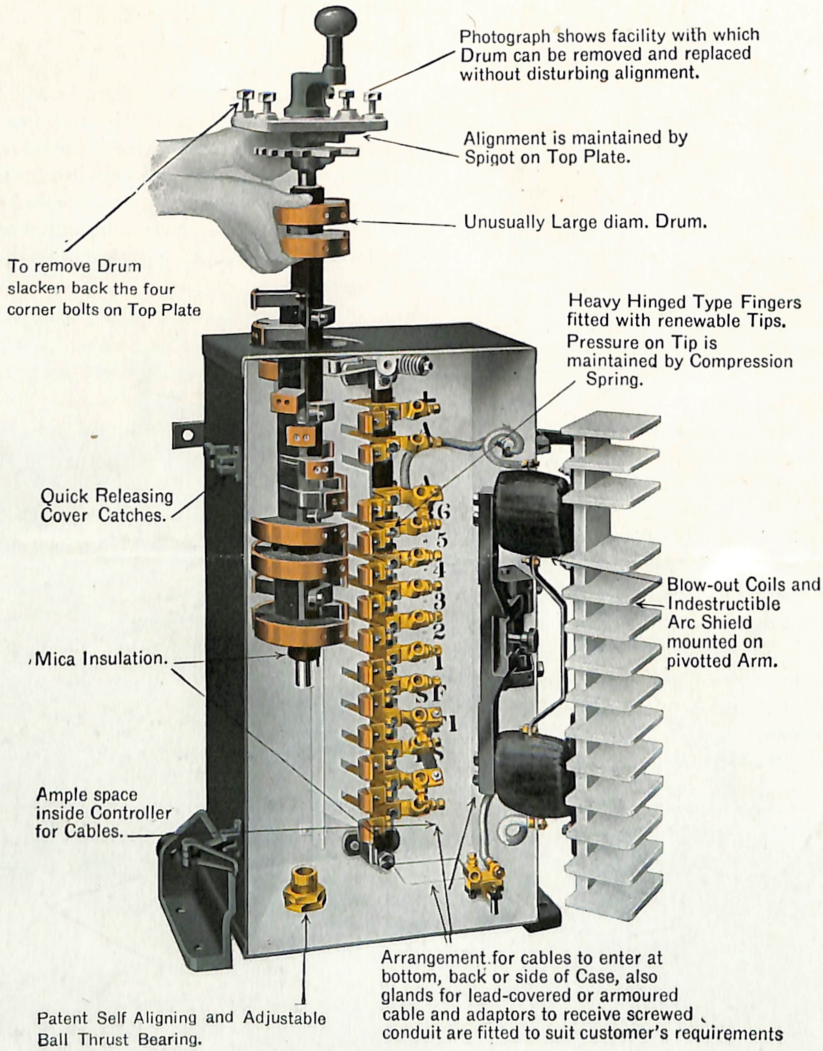




STEEL CASE CONTROLLERS



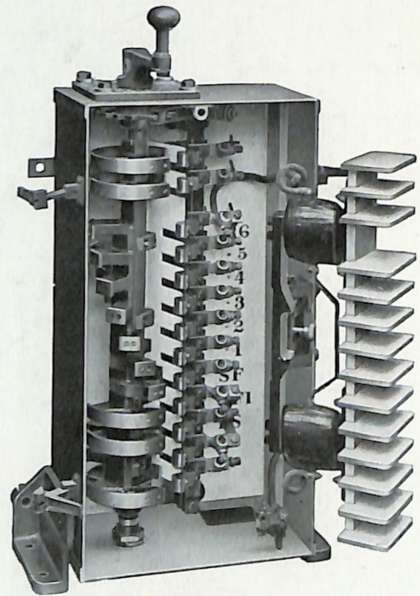
Manufactured at West Bromwich, England, by
THE ELECTRO-MECHANICAL BRAKE CO. LTD.
 ELECTRICAL AND GENERAL ENGINEERS

Established 1908.

Telephone—291 (Two Lines).

Telegrams—"Brakes, West Bromwich."

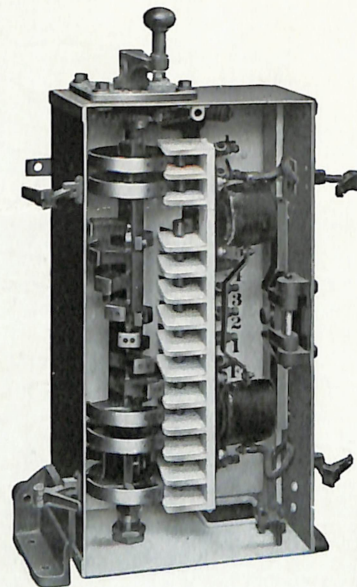
Code—A.B.C. 5th Ed.



THE design of the **EMB** Steel Case Controller incorporates features which have been pointed out to us as very desirable, and form an ideal combination not found in any other make at present on the market. We specially desire to draw your attention to the following:—

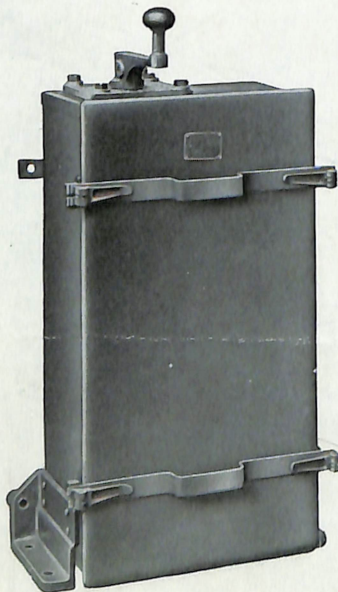
1.—The arrangement by which the drum can be removed in a few moments by simply slacking back four bolts in cover plate is most useful, as a drum in need of repair can by this means be replaced with very little trouble, and, moreover, as the cover plate is spigotted to the Controller Case, it follows that the drum can be replaced or new drum fitted without disturbing the alignment of the drum with the fingers.

2.—Owing to many Controllers not standing up to the duty for which they are rated in catalogue, engineers have found it necessary to order a larger size than would be required according to catalogue. This procedure is not necessary with **EMB** Controllers, as they are most conservatively rated and can be depended upon to stand up to the duties specified in our list. Rating for rating, it will be found that the diameter of the working drum on our Controllers is 25% greater than is given by our competitors. This gives greater wearing surface, and, what is of the utmost importance, an increased arcing distance between points.



3.—The Magnetic Blow-out is really efficient, so that, assisted by the increased arcing distance, the wear and tear will be considerably reduced.

4.—There is very ample space for cables, and we can arrange for these to be brought in through the back, side or bottom of the Controller, whichever is most convenient.

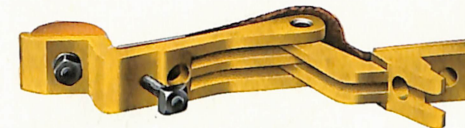
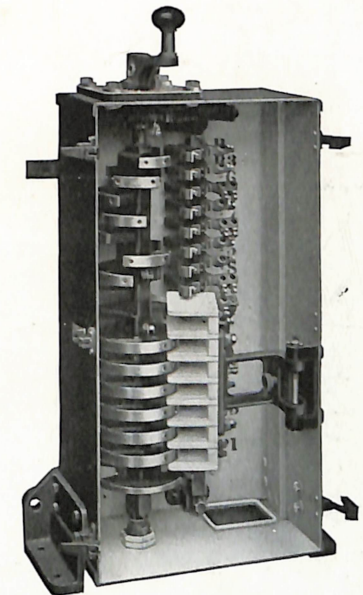


5.—Fingers are of very heavy hinged type with renewable tips, and compression spring to maintain finger in contact with drum.

Whilst more expensive, the hinged type finger gives the best service, as there is no side play and therefore no risk of "Stubbing."

6.—Terminals are fitted with substantial hexagon head brass screws in lieu of small cheesehead steel screws used in most other Controllers. It is perhaps a small, but none the less important, point that all screws are turned from bar. In the desire to economise, cheap headed screws are sometimes used by others. The heads on this type of screw invariably break off and cause a good deal of annoyance.

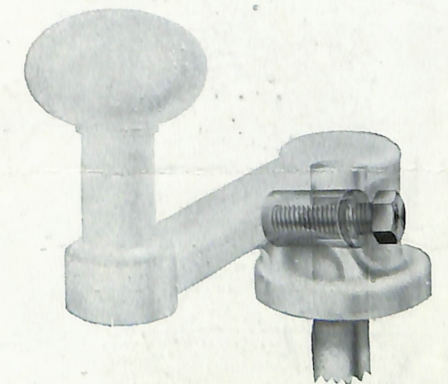
7.—Steel Case. The advantage of the steel case is the combination of strength with lightness. A Steel Case Controller can be depended upon to arrive in undamaged condition after transport, an important matter, especially on Control Gear which is to be sent overseas.



8.—The Controller Door is held in position by substantial hinged quick-releasing catches, and is absolutely dust-proof, obviously a great advantage in Foundries, Steel Works, and other dusty places where a Controller, if not dust-proof, is soon in a filthy state, apart from the increased maintenance cost which working in a dirty condition entails.

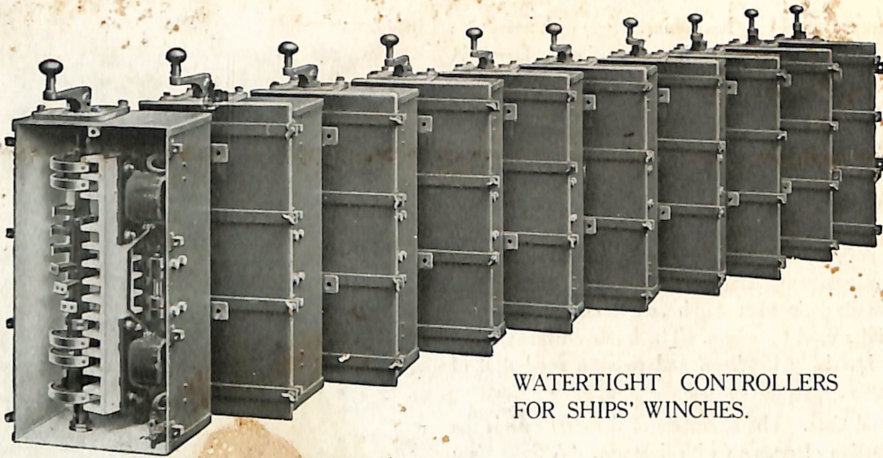
9.—Handle. Attention is drawn to the substantial method of securing the Handle to the drum shaft. A cylindrical shaped nut with a tapered flat on one side is drawn up tight against a corresponding flat on the shaft by a substantial hexagon-headed pin.

It is impossible with this method for the handle to work loose, and at the same time to remove the Handle it is only necessary to slack back the hexagon-headed pin and strike head to lift the nut clear of the shaft.

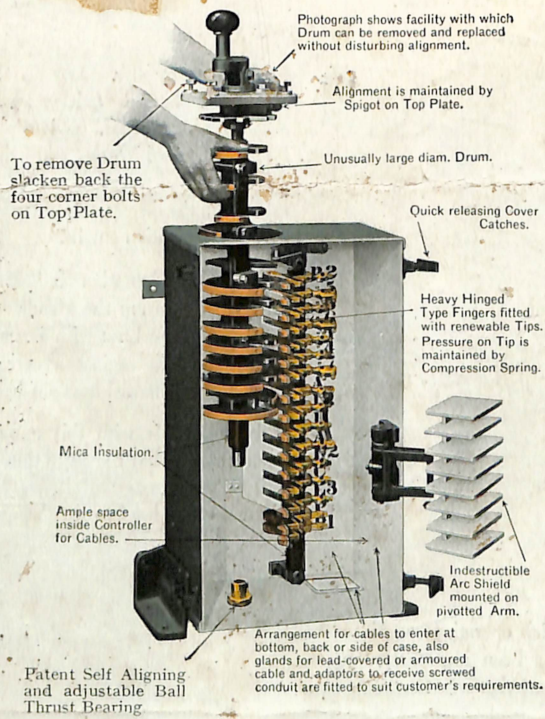


In short, every feature which operating experience has shown to be necessary has been incorporated in the design, and we feel confident that our Controllers will give as great satisfaction as has our Unbreakable Jointless Resistance. They form a combination which is unequalled.

Complete catalogues are in course of preparation, and will be forwarded on request.



**WATERTIGHT CONTROLLERS
FOR SHIPS' WINCHES.**



LONDON OFFICE : Room 98, Donnington House, Norfolk Street, Strand, W.C. 2.

ON ADMIRALTY, WAR OFFICE AND CROWN AGENTS' LISTS.