



STANDARD SPECIFICATIONS  
 FOR  
 MUNTZ METAL CONDENSER TUBE PLATES<sup>1</sup>

Serial Designation: B 57 - 27

These specifications are issued under the fixed designation B 57; the final number indicates the year of original adoption as standard or, in the case of revision, the year of last revision.

ISSUED AS TENTATIVE, 1925; ADOPTED, 1927.

1. These specifications cover rolled Muntz metal plates for Scope. surface condenser tube sheets.

MANUFACTURE

2. The plates shall be made by hot rolling from castings of suitable Process. dimensions.

CHEMICAL PROPERTIES AND TESTS

3. The plates shall conform to the following requirements as to Chemical chemical composition: Composition.

|                       |                        |
|-----------------------|------------------------|
| Copper.....           | 58.00 - 61.00 per cent |
| Lead.....             | 0.35 - 0.90 "          |
| Iron.....             | not over 0.15 "        |
| Tin.....              | not over 0.25 "        |
| Other Impurities..... | not over 0.10 "        |
| Zinc.....             | Remainder              |

4. Analysis may be made on each lot of 5000 lb. or less. Analysis.

5. The sample shall be taken by drilling or milling representative Sampling. plates in such a way that a sample of the entire thickness shall be obtained. Equal quantities from each plate shall be thoroughly mixed. Samples so prepared shall be divided into three equal parts, one for the seller, one for the purchaser, and one for an umpire, if necessary.

PHYSICAL PROPERTIES AND TESTS

6. The material shall conform to the following minimum require- Tension ments: Tests.

| TENSILE STRENGTH,<br>LB. PER SQ. IN. | YIELD POINT,<br>LB. PER SQ. IN. | ELONGATION IN<br>2 IN., PER CENT |
|--------------------------------------|---------------------------------|----------------------------------|
| 50 000                               | 20 000                          | 35.0                             |

<sup>1</sup> Under the standardization procedure of the Society, these specifications are under the jurisdiction of the A.S.T.M. Committee B-2 on Non-Ferrous Metals and Alloys.