

**CONTENTS**

|   |        |
|---|--------|
| Sec. 1. Introduction                                    | 01-04  |
| Sec. 2 Metallic Minerals                                | 01-267 |
| Sec. 3. Industrial Minerals                             | 01-124 |
| Sec. 3A Cement  | 01-42  |
| Sec. 4. Crushing  | 01-101 |
| Sec. 5 Wet Grinding                                     | 01-123 |
| Sec. 6 Dry grinding                                     | 01-54  |
| Sec. 7 Screen Sizing                                    | 01-72  |
| Sec. 8 Classification with Water                        | 01-61  |
| Sec. 9. Air Sizing of Classification.                   | 01-37  |
| Sec. 10 Washing and Scrubbing                           | 01-16  |
| Sec. 11 Gravity Concentration                           | 01-130 |
| Sec. 12 Flotation                                       | 01-130 |
| Sec. 13. Electrical Concentration                       | 01-47  |
| Sec. 14 Miscellaneous Methods of Concentration          | 01-24  |
| Sec. 15 Dewatering                                      | 01-26  |
| Sec. 16 Filtration                                      | 01-22  |
| Sec. 17 Drying  | 01-19  |
| Sec. 18 Storage and Mill Transport                      | 01-107 |
| Sec. 19 Sampling and Testing                            | 01-208 |
| Sec. 20 Design and Construction of Ore-Treatment Plants | 01-96  |
| Sec. 21 Mathematics                                     | 01-62  |
| Sec. 22 Mathematical and Miscellaneous Tables           | 01-76  |
| Index   | 1-47   |