

## CONTENTS

---

### THE NEW YORK TUNNEL EXTENSION OF THE PENNSYLVANIA RAILROAD

No.	PAGE
1150 THE NEW YORK TUNNEL EXTENSION OF THE PENNSYLVANIA RAILROAD. By Charles W. Raymond.....	1
1151 THE NORTH RIVER DIVISION. By Charles M. Jacobs .....	32
1152 THE EAST RIVER DIVISION. By Alfred Noble.....	62
1153 MEADOWS DIVISION AND HARRISON TRANSFER YARD. By E. B. Temple.....	75
1154 THE BERGEN HILL TUNNELS. By F. Lavis .....	84
1155 THE NORTH RIVER TUNNELS. By B. H. M. Hewett and W. L. Brown .....	152
1156 THE TERMINAL STATION-WEST. By B. F. Cresson, Jr.....	303
1157 THE SITE OF THE TERMINAL STATION. By George C. Clarke.....	340
1158 THE CROSS-TOWN TUNNELS. By James H. Brace and Francis Mason.....	391
1159 THE EAST RIVER TUNNELS. By James H. Brace, Francis Mason, and S. H. Woodard.....	419

---

### MEMOIRS OF DECEASED MEMBERS

---

PAGE	
JOHN FISKE BARNARD, M. AM. SOC. C. E.....	479
ROBERT L. ENGLE, M. AM. SOC. C. E.....	480
CHARLES HERBERT DEANS, ASSOC. M. AM. SOC. C. E.....	482
WILLIAM MEIER, ASSOC. M. AM. SOC. C. E.....	485

This Volume and the succeeding Volume of Transactions (Vol. LXIX) will contain all the Papers descriptive of the New York Extension of the Pennsylvania Railroad. A general index covering both Volumes will be issued in Vol. LXIX.