ILLUSTRATIVE ENGINEERING PLATES.

PLATE

No. 1. PROGRESS OF WORKS FROM 1854 to 1859

,, 2. GENERAL PLAN OF WORKS

,, 3. FLOATING COFFER-DAM USED IN ERECTION OF PIERS Nos. 7, 17 AND 18

,, 3A. DITTO DITTO DITTO

,, 4. DIAGRAM OF RISE AND FALL OF RIVER ST. LAWRENCE

,, 5. COFFER-DAM USED FOR PIERS Nos. 3, 4, 5, 6, 8, 9, 10, 13 AND 20

,, 6. STEAM TRAVELLER

,, 7. CHAFFEY DERRICK ELEVATION

,, 7A. CHAFFEY DERRICK PLAN

,, 8. SCAFFOLDING USED IN CONSTRUCTION OF No. 2 TUBE

,, 9. MACHINE USED FOR RIMERING HOLES IN CENTRE TUBE

,, 10. COFFER-DAM AND STAGING USED IN CONSTRUCTION OF Nos. 12 AND 13 PIERS

,, 10A. CENTRIFUGAL PUMP

,, 11. STEAM DREDGE USED IN CLEARING OUT PUDDLE CHAMBERS

,, 11A. HAND DREDGE USED IN CLEARING PUDDLE CHAMBERS

,, 12. STAGING FOR CENTRE TUBE

,, 13. TURNWATER

,, 14. COFFER-DAM AND STAGING USED IN CONSTRUCTION OF No. 14 PIER

,, 14A. DITTO DITTO DITTO

,, 15. STAGING USED IN ERECTION OF TUBES Nos. 11, 12, 14 AND 15

,, 16. FLOATING DERRICK FOR BUILDING CRIBS AND STAGING

,, 16A. DITTO DITTO DITTO

,, 17. FLOATING DERRICK USED IN REMOVAL OF COFFER-DAMS

,, 17A. DITTO DITTO DITTO

,, 18. MACHINE FOR DRAWING SHEET PILING

,, 19. TRAVELLER FOR INSPECTION AND PAINTING OF TUBES

,, 19A. DITTO DITTO DITTO

,, 20. MACHINE FOR BORING SIDE LIGHTS

,, 21. PLAN OF PIERS Nos. 10 AND 15

,, 22. SOUTH ABUTMENT

,, 22A. SOUTH ABUTMENT (ELEVATIONS OF ENTRANCE TO TUBES)

,, 23. PLAN OF TUBES Nos. 1, 2, 24 AND 25

,, 23A. DETAILS OF TUBES Nos. 1, 2, 24 AND 25

,, 24. HALF PLAN OF CENTRE TUBE

,, 24A. DETAILS OF CENTRE TUBE

,, 25. DIAGRAMS SHOWING DEFLECTION OF TUBES

,, 26. DIAGRAM SHOWING TEMPERATURE OF ATMOSPHERE AND OF WATER

,, 26A. DITTO DITTO DITTO

PAGE 47. SKETCH OF SHOVING OF ICE

81. DIAGRAM SHOWING RESULT OF TESTING Nos. 1 AND 2 TUBES