

QUALIFICATIONS:

	PAGE.
Licensed Officers,	336
For Engineer, Candidates for Certificates	151
Questions in Examination Papers,	151, 236
Steam and Water, Relative Volume of	18
Steam, Mechanical effect of	19
Steam used in Cylinders,	62
Safety Valve Sums,	33, 38, 66
Square and Cube Root,	74, 250
Steel for Safety Valve Springs,	58
Strength of Materials,	112
Screw Propeller,	253
Superheated Steam,	242
Slide Valve, Notes on	236
Scale of additions to be added,	327
Sketch of the Life and Works of Wm. M. Smith, Esq.,	267-270
Safety-Valves,	321
Steamers in Canada, Principal Fuels of	250
TABLES:	77-108

Melting point of Metals,	225
Tenacity of Metals, (Wrought Iron),	11
Pressure on Boilers,	78, 50, 47, 226
Round Iron,	50
Fractions and Equivalent Decimals,	177
Tensile Strain of Iron and Steel,	133
Sheering tests of Steel and Iron Rivets,	247
Burs left,	275
Sheering of Steel Rivets,	277
Rivet tests,	124
Plates, and Tie Bolts screwed therein,	44
Rivetted Joints,	153
Multipliers for Expansion,	67
Strength of Lap Joints,	47
Equivalent Decimal for a Fraction, from 1 to 75,	67
Weight of Iron Rivets per 100,	108
Weight of Wrought Iron,	114
Weight of flat Bar Iron per foot,	114
Linear Expansion of Metals,	153
Hyperbolic Logarithms,	177
Square and Hexagon Nuts,	7, 50, 78, 226
Boiler Tubes, Sizes, etc.,	33, 38, 66
Saturated Steam,	48
Coal, Evaporative Power and Chemical Composition,	77-78
Colours of Iron caused by heat,	48
Tensile Strength of Plate and Rivet Iron.	58
Useful quantities,	34
Useful information on Hydraulics	59
Useful knowledge about Marine Engines and Boilers,	114
Useful knowledge about Mild Steel,	114
Water,	9

FACE.

190
197
197
207
214
57, 186, 236
160
331
332
332-333
334
of
338-329
323
48
49
279

225
11
78, 50, 47, 226
50
177
133
247
275
277

124
44
153
67
47
67
108
114
114
153
177
7, 50, 78, 226

33, 38, 66
48
77-78
48
58
52