

## INDEX

	PAGES.		PAGES.
Soap, manufacture of . . . . .	137	Whale, White . . . . .	2
Society of Arts, Correspondence with . . . . .	14	" Fisheries . . . . .	118
Statistics, Railway, in the United Kingdom . . . . .	23	Woods of North America . . . . .	74
" Miscellaneous British . . . . .	23		
" Population of Ireland . . . . .	24	Zinc, New Jersey . . . . .	211
Steam Plough, Usher's . . . . .	13	" Oxyde of . . . . .	16
" Engine, Pendulum . . . . .	106		
Stratford, S. J., Description of Louisburg . . . . .	127		
Stewart, John, on Photographic Landscapes . . . . .	141		
Structure and Succession of Rocks in North Wales . . . . .	248		
Sugar, new method of Manufacturing . . . . .	116		
Sun, Spots on . . . . .	142		
Superior, Lake, Ancient Miners of . . . . .	106, 133		
Sydenham Crystal Palace . . . . .	47		
Syphon Filter . . . . .	11		
Table-moving, report on . . . . .	275		
Telescope, Wandsworth Common . . . . .	72		
Telegraph Lines in Canada . . . . .	21		
" Irish Submarine . . . . .	33		
Telegraphing, Progress of . . . . .	72		
Temperature, Comparative Table of, at Toronto, (See Meteorological Reports.)			
Tellurium . . . . .	189		
Textile Fabrics in their relation to Chemistry . . . . .	135		
Thermometric Registers, Remarks on . . . . .	29, 75		
Thermometer, Maximum Temperature . . . . .	120		
Timber Trophy, Canadian . . . . .	38		
Time Ball, Electric . . . . .	47		
Toronto, Progress of . . . . .	51		
" Geology of . . . . .	147		
" Harbour . . . . .	163		
" Birds Wintering near . . . . .	169		
" Poisonous Plants in the neighbourhood of . . . . .	205		
Tremenheere, Hugh Seymour, Canada in 1852 . . . . .	32		
Turner, J. B., on the Horse and its Rider . . . . .	154, 180, 198		
Turkey in Europe . . . . .	120		
University, a British Industrial . . . . .	48		
" Of Trinity College . . . . .	260		
" College Toronto . . . . .	260		
United States, Debt of . . . . .	120		
Van Courtland, E., notice of an Indian Burying Ground . . . . .	160		
Valley of the Nottawasaga . . . . .	223		
Vegetables, Freezing of . . . . .	142		
Vegetable Sports . . . . .	111		
Vessels, New Method of Propelling . . . . .	116		
Volcanic Eruption in the Sandwich Isles . . . . .	18		
Walker, Sears C., Death of . . . . .	168		
Water Gas, new application of . . . . .	17		
Water-wheel, Vortex . . . . .	86		
Westrup's Patent Flour Mill . . . . .	245		

## LIST OF PLATES AND WOOD CUTS.

	PAGES.
The Canadian Department of the Great Exhibition, . . . . .	9
Mill Dam and Bridge, . . . . .	11
Filter Tap, Rodd's, Registered, . . . . .	12
Harvest Cart, Ransome and May's, . . . . .	13
Golding Bird's Battery and Decomposing Cell, . . . . .	16
Submarine Telegraph Wire, . . . . .	33, 34
Plan of Iron Bridge over the River Wye, . . . . .	36
Portable lifting Machine, . . . . .	37
Canadian Timber Trophy, . . . . .	38
Ushers Steam Plough . . . . .	40
The Brock Monument, . . . . .	41
Plan of the application of Electricity to the electric Clock, . . . . .	44
Sketch of the Exhibition Grounds, Toronto, . . . . .	51
View of the Agricultural Show Grounds, Toronto, . . . . .	52
View of the Agricultural Hall, Toronto, . . . . .	54
View of the Floral Hall, Toronto, . . . . .	59
Desks and Seats, . . . . .	62
Prize Calf, . . . . .	63
Bridge over the Genesee River (U. S.) at Portage, . . . . .	66
New York Crystal Palace, . . . . .	70
Thermometer Graduator, . . . . .	75
Vortex Water Wheel, . . . . .	87
Double Sleigh, G. J. J. Saurin, of Quebec, . . . . .	87
Single Sleigh by Messrs. McLean and Wright, of Montreal, . . . . .	88
Parke's Pendulum Steam Engine, . . . . .	106
Plan of the Harbor of Louisberg, Cape Breton, . . . . .	126
Indian Implements, . . . . .	133
Sketch of the Valley of the Nottawasaga, . . . . .	223
General Plan of Arrangements for Railway Termini in the City of Toronto, . . . . .	233
Westrup's patent Conical Flour Mill, . . . . .	245
Ericsson's Hot Air or Caloric Engine, . . . . .	250

## Directions to Binder.

Sketch of the Exhibition Grounds to face page . . . . .	51
Bridge over the Genesee River (U. S.) at Portage to face page . . . . .	66
Plan of the Harbor of Louisberg, Cape Breton, to face page . . . . .	126
General Plan of arrangement for Railway Termini in the City of Toronto, to face page . . . . .	233
Westrup's Patent Conical Flour Mill to face page . . . . .	245