

- Tuning-forks vibrating, 142
 Turin, moraines near, 120
 Twinkling of stars, 71
 Tympanum of the ear, 137
 Tyndall, Dr., cited, 75, 87, 91,
 128, 144

 UNDERCLAYS of coal, 176
 Undercliff, Isle of Wight, 103
 Undulatory theory of light, 33-35

 VIBRATION OF TUNING-FORKS, 142
 Violet, structure of the, 227

 WALES, rain in, 81
 Water, cutting power of, 105-112
 — "hard," 95
 — heat required to vaporize, 92
 — how it rises in a plant, 157
 — in U tube kept up by pressure,
 64
 — solid matter dissolved in, 105
 Water-dust, 75
 Waterfalls, how formed, 108
 Water-flowers in ice, 91

 Water-pipes, cause of bursting of,
 91
 Water-vapour invisible, 75, 77
 — screening the sun's heat, 82
 Waves, noise of the, 143, 144
 — of light measured, 37
 — of sound crossing each other,
 135
 Wave-theory of light, 33-35
 Wax, plate of in hive, 198
 — formation of, 199
 Weight and pressure of air, 58, 60
 — barometer measuring, 64-66
 Wheel revolving to make musical
 note, 141
 Williams, Mr. J., cited, 176
 Wind, cause of, 67
 — noise of the, 144-146
 — fertilizing plants, 216
 Winds, land and sea, 69
 —, trade-, 69
 Woodstock Park, echoes in, 134
 Work of the sunbeams, 42

 YOUNG, Dr., cited 129