

CHAPTER XVI.

	PAGE
WATER: Its Action and Purposes in the Human Economy—Quantity Required—Sources of Supply—Relative Values of Waters from Different Sources—Contamination of Water—Impure Wells—Storage and Distribution of Water—Impurities from Pipes—Physical Examination: Color, Sediment, Taste, Smell, and Touch—Chemical Examination: Simple Tests—Approximative Tests—More Accurate Tests—Classification of Waters—Effects of Chemical Impurities—Purification of Water: by Precipitation, by Filtration, by Other Modes—Filters: Their Use and Abuse—Filters on the Large and Small Scales—Hyatt's Filter—Impure Ice—Hints as to keeping Water in and about the School-House.....	192

CHAPTER XVII.

HYGIENE OF THE EYE: Structure of the Eye as an Optical Instrument—Experiment showing the Existence of the Blind Spot—Explanations of the Action of the Eye—Defects in Vision Explained—Near- and Far-Sight—Squinting—How Defects may be Remedied—Action of Lenses, etc.—Hints as to Preservation of Sight—Care of the Eyes in Infancy—Increase of Short-Sight in late years—Proper Modes of Lighting Rooms—Hints to Teachers, Pupils and others—Importance of good Type and Paper—Reading by Dim Light—Blinds raised from below—Quack Applications—Color-Blindness	211
--	-----

CHAPTER XVIII.

HYGIENE OF THE EAR: Its Anatomy and Physiology—Hints as to Use and Abuse of the Ear—Exposure to Draughts—Catarrh resulting—Inflammation—Ulceration—Perforation of the Drum—Deaf-mutism—Wax, Insects and other Foreign Bodies in the Ears—Boxing the Ears—Hints to Teachers as to Observing Carefully the Condition of Hearing of Children—Children often Blamed Wrongfully, when their Short-comings have Resulted from Partial Deafness	226
--	-----

CHAPTER XIX.

SCHOOL FURNITURE: Scrapers and Mats—Lavatories—Hat-Hooks—Adaptation of Desks to Pupils—Deformities Caused by Neglect—Proposed Adjustable Seat and Desk—Change of Position—Blinds—Blackboards—Drinking Vessels—Thermometers—Ornamentation.....	232
---	-----

CHAPTER XX.

PHYSICAL EXERCISE: Structure and Physiology of Muscle—Walking—Leaping—Running—Football—Lacrosse—Baseball—Cricket—Rowing—Fencing—Hand-ball—Driving—Sailing—Rational and Irrational Athletics—Action in Producing Diseases of the Heart, Lungs, Limbs, etc.—Gymnastics and Calisthenics—Recreations: for Summer; for Winter; for Girls; for Boys—Alternation with Mental Exercise—Recesses—Kindergartens	238
--	-----