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Perolin—the Anti-Crust

Ever since the advent of the steam boiler, the one great difficulty encountered in generating steam with an economical consumption of fuel has been the incrustation that formed on the water-covered surface. This hard coating of insoluble material on the metal is commonly known as Scale—and the deposit in the form of insoluble powder anywhere inside the water or steam space is called sediment.

Many Soluble Substances

Rain Water is practically pure, but coming in contact with the earth, it dissolves and gathers various scale forming substances such as Lime, Magnesium, Sulphur, Gypsum, Silica, Iron, etc.

Sub-Soil Water obtained from springs and wells is clear, usually low in mechanically suspended matter, but high in solids in solution.

Artesian or Deep Well Water is most always rich in dissolved solids.

Heat and Acid Corrode

Water taken from marshes or where it comes in contact with masses of organic matter, contains acid which will corrode the boiler metal. This water may be neutral to iron at normal temperatures, but on raising the temperature the acid becomes an active corrosive and pitting agent.

Water Changes Constantly

No matter from what source the water is obtained, its chemical composition is continually changing, due to climatic conditions and