

dules, one-quarter inch in diameter. The mesenteric glands generally appear more opaque than normal. A number of small points of black pigment found near reflection from the spine.

*Small intestines.*—Serosus surface of bowels smooth, but vessels generally are much injected, while in some areas there is a distinct, diffuse red tint. On opening the bowel, the duodenum presents an intense and diffuse injection of blood vessels, with numerous dark submucous hemorrhages. A similar appearance is found throughout the last three feet of the ileum. In this situation, however, the hemorrhages are minute and have a linear arrangement following the line of the larger blood vessels.

Twelve inches above the ileo-cecal valve a tubercular ulcer one-quarter inch in diameter is found. The serous coat corresponding to this is found to be slightly opaque and granular; one grey tubercle occupies the centre of the ulcer.

Close to the valve Peyer's patches appear to be unusually distinct. Throughout the small intestine the solitary follicles are very marked, appearing as raised granules. Cecum pale in color, but vessels very distinct. The descending colon for ten inches is of a diffuse red color. Post-peritoneal glands slightly enlarged and caseous.

*Stomach.*—Greater curvature is beset by numerous submucous hemorrhages, which give it a dark brown coloration. Many lines of dark pigment also on greater curvature, especially near pyloric end. The mucous membrane of whole lower half of the stomach has also an appearance as though thickly peppered, owing to vast number of very minute pigmented points.

*Spleen.*—Weight, 7 ounces, 4 1-2 by 3 inches; dark brown in color; very friable. *Pancreas* normal.

*Liver.*—Weight, 3 lbs. 3 1-2 ounces, slightly pale. A number of yellow tubercles found on surface, scattered irregularly. More numerous on left lobe, one group of twelve on under surface of latter. Cut surface: Throughout the whole organ a coarse meshwork of dark bands, enclosing lighter areas about one-quarter inch in diameter. Yellow tubercles scattered in substance.

*Left adrenal* is about three times normal size, yellowish white, very hard and nodular. Cut surface dense opaque, yellowish-white throughout centre. A small margin of translucent, dark-colored tissue surrounds the hard centre.

*Right adrenal* diminished to about one-half its normal size, thickened and much deformed—lower half replaced by dense fibrous tissue, upper and thickened portion presents the same opaque and nodular appearance found in the right.