

the gall-bladder, and between the two there exists a circular orifice of communication, 7 m. in diameter, with rounded edges.

Death not uncommonly takes place by gradual exhaustion, consequent upon repeated vomiting.

CASE VI.—*Symptoms of gastric ulcer for many months ; progressive emaciation ; large irregular ulcer just outside pyloric ring.*

W. W., aged 72, patient of Dr. Wilkins. Well-marked symptoms of ulcer, supposed to be gastric. Death took place slowly, after many months illness.

*Autopsy.*—Body much emaciated. In abdomen, peritoneum dull and lustreless ; two pints of turbid fluid, mixed with lymph, removed. Stomach appears dilated. Œsophagus presents in its terminal part an oval area, 3·5 by 1·2 cm., from which the mucous membrane has been completely removed by the action of the gastric juice. In the centre a thin external layer alone remains. Stomach moderately dilated, and contains a dirty-looking, highly acid fluid. Mucous membrane pale ; that of the fundus thin, owing to post-mortem solution. At the pyloric end it is thick, and present numerous mammillations. The pylorus is greatly narrowed, admitting only the top of the little finger as far as the root of the nail. On slitting open the ring and the duodenum, the following condition is observed : Pylorus not thickened ; ring prominent, but not more so than is often seen. Immediately external to it is an irregular ulcer extending round the greater part of the circumference of the gut, and presenting an imperfect division into two portions, the larger of which occupies the lower part of the tube, resting upon the pancreas, the other being placed above and to the right. The extreme length of the ulcer is 3·7 cm., the breadth ranges from 6 to 13 m. The edges are round and somewhat undermined. The base is formed of firm fibrous tissue of a greyish-white color. Close to the lower edge there is seen, on the floor, a small nodular body, looking like the end of a closed artery. The mucous membrane of the duodenum near the ulcer is greatly puckered, particularly the upper part. The bile papilla is about 5 cm. below the ulcer.