

day evening, after being hoarse in the afternoon, he presented symptoms of croup, and, on visiting him at 9 p.m., I found the temp. 100, cough and breathing croupy, but not much embarrassment—the mother said he was worse at intervals. The tonsils were a little red; on the left side there was a slight chronic enlargement; no membrane could be seen. An emetic of ipecac was given, with small doses at intervals through the night; hot applications to the throat and inhalations of steam.

The lad had been healthy with the exception of ague, of a healthy family with no indications of hereditary weakness; he lived in a cottage in the suburbs, the premises were isolated and carefully kept, the unfavourable influences to which he had been exposed were malarial, residing only one block from the bay, and there were probably unhealthy emanations of another kind from the waters of the inlet, not far distant into which the Cathcart street sewer discharges.

August 3rd.—Pulse, 100; temperature, 100; respiration, 36; cough dry, breathing croupy, and appears to have been much embarrassed at intervals through the night. It was more easy at the time of my visit in the forenoon, 9 a.m. Fauces somewhat red, and at one or two spots the appearance of the left tonsil was suspicious, but no membrane was perceived. Slight enlargement of the glands behind the lower jaw. The ipecac and steam inhalations were continued. At 4 p.m. of the same day, received word that the condition was alarming, and found him breathing with very great difficulty, and almost asphyxiated,—temperature, 100½. Chloroform was administered, and my friend, Dr. Malloch, performed tracheotomy. When the trachea was opened, a small piece of membrane was expectorated, and the tube being inserted, the difficult breathing was relieved. The trachea was opened below the isthmus of the gland, and Foulis's tubes were used.

August 4th.—Pulse, 109; respiration, 30; temperature, 100½; skin moist, respiration easy, no spasms in the night, small portions of membrane were coughed through tube. Patient was kept breathing the steam.

Tr. fer. ch., pot. chl. and glycerine given.

August 5th.—Pulse, 110; respiration, 24,

temperature, 100; portions of membrane expectorated; the tonsils on both sides show small spots of exudation.

August 6th.—Pulse, 109; respiration, 20; temperature, 100.

August 7th.—Pulse, 100; respiration, 18; temperature, 99. Muco-purulent expectoration.

August 8th.—Pulse, 100; respiration, 18 temperature, 98½. Muco-purulent expectoration.

August 10th.—Pulse, 96; respiration, 18; temperature, 98½; skin moist, tube removed, respiration easy, can speak with the opening closed. The progress of the case was favourable, except ague at the end of second week—two attacks,—and the patient made a good recovery.

Wm. A. S——, aged 19, barber, had for several years enjoyed good health; suffered from measles and whooping-cough in childhood, but no illness of importance since, except occasionally a slight cold affecting the throat which passed away in a few days. The family history shows no unfavourable features, except the death of an uncle from phthisis. The parents are both living, middle aged and healthy. This is the only child. Residence on John St. near Rebecca, in one of two frame houses in a block, the ceiling of first floor 9 feet, the second less than half a story, house close to the street, the yard about 15 feet square, the water-closet 12 feet from the door of kitchen, the wash-water has been thrown into it, and the tenants frequently complained of the foulness of the yard.

On the 1st July the lad went to the beach, and when the present illness came on he thought it due to catching cold on that day. Four days afterwards he complained of lassitude, and the throat was sore; that day, however, and the following, he continued at his usual work. On the evening of Thursday the 6th, the throat was very painful, and he was giddy. As the symptoms were growing more severe, I was called in. The tonsil on the left side was much swollen, and presented a thin yellowish film; he complained of severe pain, and difficulty of swallowing, and a sensation of choking; the pulse 100, temperature 101°; skin dry. On the morning of the next day the general symptoms were similar; there