

His urine was never examined, and he can give no information of its character, further than that it has been sanguineous: the blood was commonly liquid, though occasionally clots devoid of definite shape were perceived; it usually passed out after the urine, but sometimes it preceded the latter, as if in the former effusion, the whole had not escaped; he thinks it is about nine years since the first hæmaturia appeared, it subsequently supervened in paroxysms which seldom lasted two or three days, and were isolated by bloodless periods varying in length from two to six months, and it generally happened after he had been over-worked.

He has often experienced dull pain in the loins, particularly when fatigued, and has sometimes felt in the same region, a sensation which he likened to a worm eating the part. These perceptions were followed by uneasiness in the groin, but were not accompanied by retraction of the testicles.

The symptoms of stone were never so acute as to prevent him from engaging in his daily avocations, nor at any time sufficiently aggravated to constitute a "fit of the stone." He has been exempt from supra-pubic pain, but has felt now and then a sort of motion in the pelvis, as if a loose body were rolling about in its cavity. Last spring while working more than ordinary, a severe paroxysm of the pains and hæmorrhage set in, and since then the difficulty of voiding urine has increased.

About the month of August a new malady began. He then had to take to bed on account of an inflammatory attack in the left testicle; this affection was not provoked by injury or other obvious cause, it produced severe symptoms locally and systemically, the gland attained the size of a turkey's egg, and it continued swollen for three weeks. Barely, however, was he eight days well when the opposite testicle took on morbid action, which in its progress differed from the anterior orchitis, chiefly in producing greater swelling, less induration and milder pain.

30th September.—Upon examination all the common symptoms of stone were identified as present, and on passing the sound into the bladder a rub was felt, and a loud click heard, leaving no room for doubt as to the truth of the diagnosis. There were no indications of disease of the kidneys nor bladder; he appeared to be a strong man of good constitution, and his habits had been regular. The right testicle was as big as a lemon, composed of two tumors; superior one hard, irregular in form and consisting of the enlarged organ, the other inferior, soft, fluctuating and depending upon fluid in the tunica vaginalis—the swellings were painful and tender, the scrotum was of a livid red color, and in one spot seemed to be pointing. It was considered advisable to cure this hydro-sarcocele before performing any operation. During the night the