

dent, I discovered no contusion or wounds on the head, neck, trunk or extremities, except the relic of an abrasion on the right temple, and a cicatrix left by a lacerated wound of the upper lip. There was no complaint of pain over the spine; no tenderness on pressure or percussion. The spinous processes of the eleventh and twelfth dorsal vertebræ are protruded several lines from their normal position, due to the fracture and probable impaction of their bodies. There is no lateral displacement and no apparent, or, *at least*, reducible dislocation. There is no feeling of ligation round the body at the site of injury. The right foot is slightly everted, but this distortion is attributed to a former accident.

Motion in both legs is completely lost, and sensation is seriously impaired. Immediately after the accident, anæsthesia was more marked in the left than in the right leg, but in four days the left leg rapidly improved, distancing its mate. The patient can now (Dec. 3rd, 1863,) distinguish readily

2	points	at	2 $\frac{1}{2}$	inches	distance	on	the	left	anterior	thigh.
"	"	"	4 $\frac{1}{2}$	"	"	"	"	right	"	"
"	"	"	2 $\frac{1}{2}$	"	"	"	"	left	fibular	region.
"	"	"	6 $\frac{1}{4}$	"	"	"	"	right	"	"

The temperature in both popliteal regions is 98° F.—in the plantar aspects of both feet it is 92° F. No reflex motion can be induced in either extremity. There are no perversions of sensation; no spasm or rigidity of the affected muscles, nor any priapism. Constipation was very obstinate at first, but in eight days the dejections became involuntary. The bladder is completely paralysed, requiring the daily use of the catheter.

The pulse is 118, somewhat full and soft. The tongue is moist, coated with a brownish fur in the centre, but red at the tip and edges.

Urine. The urine of twenty-four hours is about thirty-six ounces and of specific gravity —1011. It is pale and opaline, of highly ammoniacal odor, strongly alkaline reaction, and thickened with ropy mucus. A filmy pellicle of uric acid forms upon its surface, giving an iridescent play of colors at different angles of reflected light. It is affected very slightly by heat—the urates disappearing over the spirit lamp,—but nitric acid rapidly clears it.

A heavy sediment is deposited on standing a few hours, composed of phosphates with entangled mucus and epithelium. A portion of this deposit exhibited under the microscope, amorphous phosphate of lime, and beautiful transparent triangular prisms of the neutral triple phos-