tained a ruptured Graafian vesicle. There was a fibrous tumour of the size of a large pea on the anterior wall of the uterus, and from it sinuses, large enough to allow a full-sized pen to enter, passed into the lateral ligaments. On dividing the left lateral ligament, frothy blood escaped, and was traced thence to the heart; but there was none in the left femoral vein, nor in the right common iliac. The brain was not examined.

REMARKS. It can scarcely be doubted that the presence of air was the cause of death in this case. Violent vomiting was followed by sudden collapse and speedy death.

Air was traced from the veins of the left lateral ligament to the heart. It must, therefore, either have been generated in the uterus, which is very improbable, both from the suddenness of the attack and the healthy state of that organ; or did violent vomiting during menstruation cause air to enter through an unbroken mucous membrane? However improbable this may appear, it seems the only explanation that can be offered.

CASE III. Mr. W., aged 49, was brought into Reading April 29th, 1857, by the county police. He was supposed to be suffering from intoxication; but as he did not recover in a few hours, Mr. Walford was sent for, and found him in a very depressed condition. It was with difficulty that his name and age could be ascertained from him; and he was quite incapable of giving any account of his illness. The pulse was very small and feeble, and there was a sore on the great toe, apparently the effects of travel. The foot shortly afterwards became swollen; and inflammation extended up the internal saphena vein. There was also inability to empty the bladder; he lingered till May 4th, and died from asthenia.

The difficulty in inducing him to speak, and the peculiar slow articulation, although without paralysis, led Mr. Walford to think he might be suffering from softening of the brain, and he requested my assistance at the *post mortem* examination, which was made twelve hours after death.

The body was much emaciated, but not yet cold; the anterior half of the left foot was much discoloured, and had the patient lived, would probably have sloughed; from the great toe a livid mark extended along the internal saphenous vein to a little above the knee; the whole limb was much swollen, and infiltrated with serum. Bubbles of air were observed to exude on a section of the liver. It seemed so improbable that we should have met with a fourth case of air in the veins, within as many years, that we hesitated to believe the fact, and fancied that compression of the divided liver might have caused air to enter the open mouths of its vessels, more especially as the right side of the heart contained fluid blood without air; but on a more careful examination of the heart, we found air in the coronary vessels. There was a firm fibrinous clot in the right ventricle, extending into the pulmonary artery. The left ventricle was empty, greatly hypertrophied, with much ossific deposit in the aortic valves. We found air in the left internal saphenous vein immediately above the foot, and traced it through the femoral and external iliac veins, and the vena cava inferior. This last was much distended, and collapsed on puncture. The left internal iliac and the veins on the right side were not affected. The left lung was collapsed, and presented a marked contrast to the right, which was much congested, readily breaking down under the finger, but not hepatized. The stomach, intestines, spleen, and kidneys were healthy. The arachnoid was slightly opaque, and the vessels a little distended, but in other respects the brain was healthy. On opening the torcular herophili one bubble of air escaped; but as the lateral sinus had been previously opened, its presence during life cannot be insisted on.

REMARKS. This case resembles one reported by Maisonneuve in 1853, and called by him *gangrène foudroyante*. It differs remarkably from those in which air enters suddenly. The duration of the illness, the cerebral condition, with paralysis of the bladder, indicate a poisoned state of the blood, whilst in illness dependent on the presence of air the intellect is usually unaffected. In experiments on animals it has been found that the injection of air causes inflammation of the lungs.

In the cases now narrated, and those published in the JOURNAL for June 6th, examples will be found of most of the effects that can be produced by the injection of air into the veins of animals.

Dr. Cless, of Stutgardt, has collected the particulars of thirteen cases, and alludes to eight others; and it is remarkable that, in six deaths from chloroform, air has been found in the heart. If these facts are correct, we are compelled to admit that air may enter the veins and cause death—

1. During surgical operations.

2. Through the uterine sinuses, especially during or after parturition.

3. From local pathological conditions.

4. As a result of the action of poisons.

CASE OF POISONING BY STRYCHNIA: RECOVERY.

By J. M. BRYAN, M.D., Northampton.

[Read before the South Midland Branch, May 21st, 1857.]

THE following case occurred in September 1855; and as instances of the kind are rare in practice, I have made a few notes, thinking they might prove interesting. The symptoms were well marked throughout, and perfect recovery took place; the little patient being at the present time perfectly well.

Frank Esson, aged 2, son of Richard and Lucy Esson, St. James's End, Northampton, had been poorly some few days previously to September 20th, 1855, with bowel complaint; viz., sickness and diarrhoea. In the morning of that day, at half-past eight o'clock, the mother gave him a powder by mistake for another of much the same colour. It was of a light bluish grey colour, and contained in a blue paper. After giving it, she went into a neighbour's house, and was fetched back by her daughter in a few minutes, who said, "Frank could not stand". On seeing him, she thought he had hurt himself, and sat him up in a chair, rubbed his leg, and went into the yard for some water. When she returned, he was quite stiff all over; the stiffness seemed at first to seize his right leg, and then proceeded to the body, arms, face, and jaws; his tongue came out, and was bitten and bloody. She brought him quickly to my house, he being stiff and stretched out all the way, and apparently in strong fits. He was so stiff, that it was not possible to bend him.

As I was from home at the time, Mr. Wm. Daniell, of Newport Pagnell (acting as my assistant), and also some medical friends, attended him. He arrived at 10 A.M., and was immediately placed in a hot bath in my kitchen, the heat being constantly renewed and kept up until towards 3 P.M. He had a dose of sulphate of zinc given him immediately on his arrival; and, this not producing vomiting, repeated quantities of mustard and water were given, but no sickness took place. Several doses of castor oil were then given, and two enemata of gruel with castor oil were administered, whereby some motions were induced. There was great difficulty in giving the castor oil, etc., on account of the great and continued trismus, which was unabated, as was also the tetanus, with arched condition of the body. The case seemed hopeless; and sal volatile, also brandy and water, were administered at intervals. He seemed conscious most of the time, and looked towards his mother when she addressed him. About 3 P.M., he was taken out of the bath, and wrapped in a hot steamed blanket, in which he lay before the fire till 4 P.M., the spasms seeming to become weaker whilst he was in the blanket. Sal volatile was given, and he had some motions, and passed urine. He was quite sensible whenever the paroxysms were off; and occasionally, on their coming on, he said, "mother, it is coming". He was then taken home, and had given to him every four hours small doses of aromatic spirits of ammonia, with spirits of nitrous ether, liquor ammoniac acetatis, and camphor mixture.

September 21st. He was somewhat better. The medicine was continued, with the addition of small doses of bicarbonate of potash.

September 22nd. The medicine was continued; and with each dose was given a grain of hydrargyrum cum creta and three grains of sugar.

September 25th. A mild tonic medicine was given; and the powders were continued.

September 28th. An aperient was given.

September 29th. I saw him, when he seemed languid, but going on well.

His mouth was completely blistered throughout, and no food was taken till the tenth day, excepting arrow-root; and it was a fortnight before he could stand. After that time he required nursing, and seemed to have extreme general weakness.

The powder given was ascertained to be Battle's vermin killer: the active principle of which is well known to be strychnia. The powder was partially tested by Mr. Harris, chemist, of Northampton, who had no doubt of the presence of strychnia, and found faint traces of it by his first test.