

**Saturday 5 July**

Administered Chloroform at King's College Hospital to a man whilst Mr. Partridge operated for necrosis of the tibia.

Also to a child, 5 years old, whilst Mr. Fergusson operated for club foot.

{710} Also to a man whilst he operated for fissure of the anus.

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Also to a young man whilst he operated for phymosis.

Also to a woman whilst he removed a tumour of the breast.

Also to a man whilst Mr. Bowman removed the testicle on account of scrofulous disease.

**Monday 7 July**

Administered Chloroform at Hatherop, in Gloucestershire, to the Rev<sup>d</sup>. Mr. Bourke, about 50, whilst Mr. Fergusson laid open some extensive sinuses near the rectum. Messrs. Cornwall, of Fairford, were present.

**Tuesday 8 July**

Administered Chloroform at 87 Jermyn Street to the Rev<sup>d</sup>. G. Calvert, an elderly gentleman from Leicestershire, whilst Mr. Bowman operated for entropion.

Administered Chloroform at 16 Hanover Square to Mrs. Fair, about 30, whilst Mr. Thos. Rogers extracted 10 teeth.

**Wednesday 9 July**

Administered Chloroform at Mr. Saunders' to Mrs. Hankey, of Princes Gate, whilst Mr. S. extracted 5 teeth.

Administered Chloroform at Mr. Robinson's to Mr. Giles, a surgeon of Essex, whilst he extracted 7 or 8 teeth.

Also to a son of Mr. Giles, about 13, whilst he extracted three teeth.

Administered Chloroform at 7 Bath Place, Kensington to a stout lady patient of Mr. Pollock next door whilst Mr. {711} Fergusson removed a scirrhus tumour of the breast.

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Administered Chloroform at Hammersmith to a middle-aged gentleman, patient of Mr. ==, whilst Mr. Fergusson removed a fatty tumour situated at the nape of the neck.

**Thursday 10 July, 1856**

Administered Chloroform at Mr. Canton's to a young officer from the Crimea whilst Mr. C. extracted two teeth.

***Friday 11 July***

Administered Chloroform at Mr. Canton's to Mrs. Roberts, wife of Mr. Roberts, Surgeon, Finchley Road, whilst Mr. C. extracted 5 teeth.

***Saturday 12 July***

Administered Chloroform at Mr. Partridge's to a boy, about 10, whilst he operated for phymosis.

Administered Chloroform at King's College Hospital to an elderly man whilst Mr. Fergusson removed an epithelial cancer from the back of the hand.

712 Also to a boy, about 12 or 13, whilst he operated for necrosis of the tibia. The boy had been operated on before, and was very much emaciated and anaemiated. The loss of blood during the operation was very great, and the patient became much exhausted. He tossed his limbs about, apparently from the exhaustion, when he was quite unconscious, and appeared not to be affected by the knife. The pulse was full and bounding, but soft and irregular. In bed, half an hour afterwards, he {712} was conscious but exhausted and the pulse was small as well as feeble. 16th. Going on well.

Also to a woman whilst Mr. Fergusson operated for epulis.

Also to a man whilst Mr. Bowman ===.

Also to a boy whilst Mr. Bowman examined the eye to which had happened an accident, and removed or replaced a protrusion of the iris.

Administered Chloroform at Mr. Cartwright's to an old lady whilst he extracted two teeth.

Administered Chloroform for half an hour to a lady from Herefordshire at 64 Connaught Terrace whilst Mr. Geo. Pollock examined the bladder with a view to remove a calculus which had been felt on former occasions, but he did not find it.

***Sunday 13 July***

Administered Chloroform at 4 Chapel Place, Vere Street, to the Officer who took it in Upper Seymour Street a few months ago, whilst Mr. Hancock operated on the urethra. On this occasion Mr. H. operated for the closure of a small aperture which still remained.

***Monday 14 July***

Administered Chloroform to a girl, aged 16, at Mr. Saunders' whilst he extracted two teeth.

Also to the brother of the above, aged about 20, whilst he extracted two teeth.

**Wednesday 16 July**

Administered Chloroform at 6 Park Square, Regent's Park, {713} to a boy aged 5, son of Mr. Laurie, whilst Mr. Fergusson operated for congenital phymosis.

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Administered Chloroform at 16 Hanover Square to the Hon. Chas. Legge, aged about 14, whilst Mr. Rogers extracted two teeth.

**Thursday 17 July, 1856**

Administered Chloroform at Mr. Canton's to the wife of Mr. Bowling, surgeon of Hammersmith, whilst he extracted ten teeth and stumps.

Administered Chloroform at Hackney to a lady, about 50, whilst Mr. Fergusson removed a scirrhus tumour of the breast.

**Friday 18 July**

Administered Chloroform to Mrs. Soulsby, 70 Gloucester Street, Pimlico in her first confinement. Commenced at 1.30 A.M. to give a little chloroform. The pains were not strong, and the os uteri but little dilated. It was given occasionally, without making the patient quite unconscious till 12.15 at noon, when the forceps were applied by Dr. Frere and the patient delivered in a quarter of an hour of a living female child. Dr. Christian attended. The head got down so as to bear on the perineum, but the pains never became strong.

**Saturday 19 July**

Administered Chloroform at Mr. Canton's to a very stout, elderly lady whilst he extracted ten teeth.

Administered Chloroform at 16 Hanover Square to Viscount Bury, aged 23, whilst Mr. Thos. Rogers extracted a tooth and four stumps.

{714} Administered Chloroform at King's College Hospital to a woman whilst Mr. Fergusson removed a large fatty tumour from the shoulder.

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Also to a man whilst he operated for haemorrhoids and fissure of the anus.

**Tuesday 22 July**

Administered Chloroform at 21 Maddox Street to an elderly man whilst Mr. Fergusson removed a fatty tumour from the back part of the shoulder.

**Wednesday 23 July**

Administered Chloroform to an elderly lady named Mrs. Elliott at Mr. Percival's, 18 Portman Square, whilst Mr. Fergusson removed a small tumour from the temple near the outer angle of the eye, apparently an epithelial cancer. Died in 2 or 3 weeks of erysipelas.

***Saturday 26 July***

Administered Chloroform at King's College Hospital to an infant, under a year old, whilst Mr. Fergusson operated on a naevus on the side of the face.

Also on another infant about a year old whilst he operated on a naevus.

Also to an infant, about six months old, whilst he operated for hare-lip.

715 Also to a man, about 38, whilst he removed a very large malignant tumour of the upper jaw. The man went through {715} the operation very well at the time, but for the two next days the pulse was quite imperceptible at the wrist. Wednesday he was better, but he died on Friday morning. There was suppuration of some of the deep cervical glands. No inflammation of the veins or arteries, or secondary deposits in the viscera.

Administered Chloroform at 11 Great George Street, Westminster, to the son of Mr. Gladstone, aged 11, whilst Mr. Bowman operated for strabismus in one eye.

Administered Chloroform to a boy, about 12, from the country, in Manchester Buildings whilst Mr. Bowman operated by needles for cataract.

***Monday 28 July, 1856***

Administered Chloroform at Mr. Bigg's to Mrs. John Clark whilst he extracted two teeth.

Administered Chloroform at Mr. Saunders' to Sir Belford Wilson whilst he extracted a tooth.

Administered Chloroform again to Mr. Gladstone's son whilst Mr. Bowman operated for strabismus in the other eye.

***Tuesday 29 July***

Administered Chloroform at Mr. Fergusson's to a youth of 18 whilst he operated for strabismus.

***Wednesday 30 July***

Administered Chloroform at King's College Hospital to a man, much reduced in strength, whilst Mr. Partridge performed excision of the knee.

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***Friday 1 August***

Administered Chloroform at the Bath Hotel, Piccadilly, to Lieut. Saunders, a young man of Thirsk, returned from the Crimea, whilst Mr. Fergusson removed a portion of dead bone from the stump of the thigh. His leg had been amputated in the Crimea.

Administered Chloroform at Mr. Price's, Hill St., to a child, 5 years old, whilst Mr. Bowman operated for cataract by a small incision.

***Saturday 2 August***

Administered Chloroform at King's College Hospital to an infant, 6 months old, whilst Mr. Fergusson operated on a naevus of the axilla.

Also to a man whilst he operated for phymosis.

Administered Chloroform to a lady at 26 North Audley St. whilst Mr. Fergusson removed a tumour of the breast.

Administered Chloroform on Thursday last at St. George's Hospital to a woman whilst Mr. Hewett removed two or three encysted tumours from the scalp.

Also to a man whilst Mr. Johnson ===.

Also to a young woman whilst Mr. === removed an exostosis from the humerus.

***Tuesday 5 August***

Administered Chloroform at Mr. West's to a lady whilst he extracted some teeth.

***Saturday 9 August***

Administered Chloroform at King's College Hospital to a woman whilst {717} Mr. Fergusson removed a very long epulis, together with a portion of the alveolar process.

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Administered Chloroform at 16 Hanover Square to a youth of 16 whilst Mr. T. A. Rogers extracted two teeth.

Administered Chloroform at Mr. Gee's, 2 Oxford Square, to a girl, aged 8 years, whilst Mr. Caesar Hawkins removed a small exostosis from the scapula.

***Monday 11 August, 1856***

Administered Chloroform at Mr. Stanley's to a child, 3 years old, whilst he extracted a bean from the nose. It had been introduced the day before.

Administered Chloroform at 8 Mill Street to a lady from the country (Newark) whilst Mr. Fergusson removed a large glandular tumour from the upper and anterior part of the thigh in the vicinity of the large vessels.

Administered Chloroform at 16 Hanover Square to a girl of 12 whilst Mr. T. A. Rogers extracted four teeth.

***Tuesday 12 August***

Administered Chloroform, with interruptions, from 3.30 A.M. on Monday morning to 10.45 A.M. on Tuesday to Mrs. John Hall Davis, aet. 37, in her first confinement. She was unconscious the greater part of the last 5 or 6 hours. About 17 fluid ounces of chloroform were used altogether, with the inhaler. The labour was lingering, but otherwise natural. There was, however, excessive sensibility. The membranes ruptured early, and the first stage of labour was not over till about 6 on Tuesday morning. Thursday, going on well.

718 {718} Administered Chloroform at 38 Eaton Place to a grandson of Lady Wightman, aged 8 years, whilst Mr. Caesar Hawkins operated for congenital phymosis.

Also to another grandson, aged 18 months, whilst he operated for the same affection.

Administered Chloroform at Richmond Hill to Mr. Moses, a stout, elderly gentleman, whilst Mr. Coulson performed lithotrity.

***Thursday 14 August***

Administered Chloroform at Mr. Canton's to a gentleman whilst he extracted 8 or 10 teeth.

***Friday 15 August***

Administered Chloroform at 21 Henrietta St., Cav. Sq., to the lady who inhaled it in Princes St. 4 months ago. The tumour of the right nates had recently returned, and Mr. Paget removed it again.

Administered Chloroform at Poplar to a robust man whilst Mr. Fergusson removed a large fatty tumour situated between the scapulae.

***Saturday 16 August***

Administered Chloroform at Mr. Price's, Hill St., to an infant aged 18 ms., from Blackheath, whilst he tried to reduce a dislocation of the hip of four months standing.

Administered Chloroform at King's College Hospital to an infant, aged about 6 months, whilst Mr. Fergusson operated for hare-lip.

Also to a youth, about 17, whilst he operated for hare-lip

Also to a girl, about 12, whilst he operated for necrosis of the tibia.

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***Monday 18 August, 1856***

Administered Chloroform at 16 Hanover Square to Miss White whilst Mr. T. A. Rogers extracted 5 teeth.

***Tuesday 19 August***

Administered Chloroform at Mr. Warne's, in Bond Street to an elderly gentleman whilst Mr. Fergusson removed an encysted tumour connected with the epididymis.

***Wednesday 20 August***

Administered Chloroform at 16 Hanover Square to a young man, a sailor, whilst Mr. T. A. Rogers extracted two teeth.

**Thursday 21 August**

Administered Chloroform in Pall Mall to a young man from Yorkshire whilst Mr. Fergusson removed a glandular tumour situated behind the angle of the jaw.

**Friday 22 August**

Administered Chloroform to a lady about 40, from Jersey, lodging at 15 Margaret Street whilst Mr. Quain operated for haemorrhoids. The patient was hysterical and made a violent resistance to the chloroform when half unconscious,

Administered Chloroform to a young lady at 1 Bolton Road, Abbey Road, St. John's Wood, whilst Mr. Hancock removed an exostosis of the middle finger. Mr. Moses Morgan was present.

**Saturday 23 August**

Administered Chloroform at 6 Wimpole St. to a gentleman, about 40, whilst Mr. Quain removed a tumour – fatty, I think – from the nates.

Administered Chloroform at King's College Hospital to a woman, about 45, {720} whilst Mr. Fergusson operated for haemorrhoids with prolapsus ani.

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**Wednesday 27 August**

Administered Chloroform at 11 Mecklenburgh Square to the wife of the Rev<sup>d</sup>. Mr. Williams, a middle-aged, stout lady, the patient of Dr. Smiles who was present, whilst Mr. Paget removed a tumour (scirrhus) of the breast together with a gland from the axilla. The operation lasted an hour.

Administered Chloroform at 9 Lower Calthorpe St. to Mr. Menzies, an elderly man from the West Indies, whilst Mr. Fergusson removed a cancerous tumour from the cheek, just in front of the ear and implicating its cartilage.

**Thursday 28 August**

Commenced at 12.30 A.M. to give chloroform to Mrs. Boyd, Lower Tulse Hill, a young woman who has already had several children. Labour pains commenced nearly 24 hours before this, but were feeble and produced little effect till the last hour or two. The os uteri was now dilating. Mr. Nathaniel Ward was in attendance. The chloroform was given quietly: it relieved the suffering without causing unconsciousness, but the labour did not progress as much as Mr. Ward expected. The child was born at 5.55, the patient having been unconscious – or nearly so – during the greater part of the last hour. There was a slight haemorrhage of dark-coloured clotted blood during the time the chloroform was inhaled. The patient recovered her consciousness a few minutes after the birth of the child (a female, living) and in a few minutes more the placenta was expelled by the contractions of the uterus.

Soon after I left the patient was attacked with flooding, and was very low for some hours. She ultimately did well, however.

721 {721} Administered Chloroform last Thursday at St. George's Hospital to a boy, aged 6, whilst Mr. Cutler performed lithotomy. The stone was a very large one – about 3 inches in circumference, and there was great difficulty in extracting it. The rectum was lacerated in the efforts for its extraction which lasted 10 or 15 minutes. Recovered.

Administered Chloroform today to an elderly man whilst Mr. Tatum performed lithotrity.

Also to a girl of 10 or 12 whilst Mr. Pollock extracted a small portion of the capsule of the lens.

**Saturday 30 August, 1856**

Administered Chloroform at 5 Sackville Street to Mrs. Owen Jones before Mr. Clarke extracted a tooth.

**Monday 1 September**

Administered Chloroform at 69 Broad Street to a young man whilst an assistant of Mr. West extracted a tooth.

**Wednesday 3 September**

Administered Chloroform at Mr. Canton's to a lady from Chertsey whilst he extracted three teeth.

Administered Chloroform to the Viscountess Forth, aged 20, in her first confinement. She was attended by Dr. Farre. The chloroform was commenced at 11.45 A.M. and continued, with occasional interruptions, till the birth of the child at about 10.15 P.M. Pains had existed the greater part of the previous night, but the os uteri was little dilated. During the day the pains were but little effective, and Dr. Farre delivered ultimately with the forceps. During the delivery the patient was quite unconscious, {722} but hardly so previously. There was some haemorrhage after delivery, but not to a great extent. There was separation of the recti muscles of the abdomen. It was only found out by Dr. Farre after the delivery, but certainly existed earlier, for I observed the peculiar form of the abdomen with protraction of the uterus forwards, slackness in the flanks, and absence of help from the abdominal muscles, when I first arrived in the morning. 10th. Going on well.

**Wednesday 10 Sept.**

Administered Chloroform at 16 Hanover Square to Mrs. === whilst Mr. T. A. Rogers extracted two teeth.

**Thursday 11 Sept.**

Administered Chloroform at Richmond to Mr. Moses whilst Mr. Coulson repeated the lithotrity.



**Thursday 18 September**

Administered Chloroform in St. George's Hospital to a woman whilst Mr. Pollock operated for fistula in ano.

**Tuesday 23 September**

Administered Chloroform at Usher's Hotel, Suffolk St., to Master Atkins, aged 5 years, from Wantage, whilst Mr. Hancock used force to straighten a partially ankylosed knee.

**Thursday 25 September**

Administered Chloroform at 16 Hanover Square to Mrs. Chayter, from Reigate, whilst Mr. T. A. Rogers extracted four teeth. She is the patient of Mr. Martin, Jun'r. who was averse to the use of chloroform on account of her {723} suffering from anaemia and a feeble action of the heart. The operation, &c passed off well.

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**Monday 29 Sept., 1856**

Administered Chloroform at 5 Sackville St. to Capt. Hall, a tall boy about 19 or 20, who had served in the Crimea. Mr. Rogers extracted a tooth.

**Tuesday 30 Sept.**

Administered Chloroform to Mrs. Tho<sup>s</sup>. Savory in her second confinement. She was attended by Dr. Henry Davies. The labour commenced at 8 A.M. I was called at 4.30 P.M. and commenced to give chloroform at 4.40. The os uteri was fully dilated. The child was born at 6.20, the patient having been unconscious the greater part of the time. It was a male and above the average size.

**Friday 3 October**

Administered Chloroform at 8 Grosvenor St. to Mrs. Anning, about 55, whilst Mr. Caesar Hawkins removed a steatomatous looking tumour situated beneath the angle of the right jaw.

**Saturday 4 October**

Administered Chloroform at King's College Hospital to an infant, under a year old, whilst Mr. Fergusson operated for hare-lip.

Also to another infant, under a year old, whilst he operated on a naevus on the forehead.

Also to a woman whilst he removed an enlarged bursa patellae.

Also to a woman whilst he removed a very large epulis, together with {724} a portion of the alveolar process of the upper jaw. He divided the upper lip in the centre.

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Also to a girl, about 12, whilst he performed excision of the elbow.

Administered Chloroform at Mr. Fergusson's to an infant, aged 5 weeks, whilst he operated for hare-lip.

**Monday 6 October**

Administered Chloroform again to Mr. Moses whilst Mr. Coulson repeated the lithotrity.

**Tuesday 7 October**

Administered Chloroform again to Mrs. Lankester in her confinement whilst Dr. J. Hall Davis attended. The chloroform was commenced when the os uteri was almost fully dilated, and the child – a female – was born in an hour and a half. She was unconscious all the time, and the pains were very strong. The placenta was expelled in a few minutes and Mrs. L. recovered her consciousness soon afterwards – about 10 minutes after the birth of the child.

**Friday 10 October**

Administered Chloroform at Lillyman's Hotel, Park Street, to Mr. Dixon, an aged man who took it a year or two ago whilst Mr. Lawrence extracted a cataract from the right eye. On this occasion Mr. Alexander operated. Mr. Lawrence and Dr. Tweedie were present.

**Saturday 11 Oct.**

Administered Chloroform at King's College Hospital to an infant, a few weeks old, whilst Mr. Fergusson operated for hare-lip.

725 {725} Also to a man whilst he tied the external iliac artery for aneurism of the femoral artery.

Also to a woman, much emaciated, whilst he performed excision of the knee.

Also to a child, two years old, whilst Mr. Bowman performed excision of the eyeball for malignant disease.

**Monday 13 October, 1856**

Administered Chloroform at Mr. Fergusson's to an infant, about 8 months old, whilst he repeated the operation by ligatures on a naevus of the eyelid.

**Tuesday 14 October**

Administered Chloroform at 20 Albion St. to a young lady, Miss Jago, about 20, from Land's End, whilst Mr. Haynes Walton injected a vascular tumour of the orbit with a solution of tannic acid.

**Wednesday 15 Oct.**

Administered Chloroform at Mr. Saunders' to a girl, 12 years old, whilst he extracted three teeth.

Administered Chloroform at 16 Hanover Square to Mrs. Blackburn, of Chester, whilst Mr. T. A. Rogers extracted two teeth.

Administered Chloroform at 4 Porchester Square to a lady, Miss Perkins, 23, whilst Mr. Fergusson operated for necrosis of the tibia.

**Friday 17 October**

Administered Chloroform to Mr. Moses, Bexley House, Stockwell Park, whilst Mr. Coulson performed lithotrity.

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**Saturday 18 October**

Administered Chloroform to Mrs. Last, about 50, at 23 Albert Terrace, Queen's Road, Bayswater, whilst Mr. Price removed a large malignant tumour of the breast, and also a tumour from the axilla.

Administered Chloroform at 5 Sackville Street to a gentleman, about 20, whilst Mr. F. W. Rogers extracted a tooth.

Administered Chloroform at King's College Hospital to an infant, under a year old, whilst Mr. Fergusson operated by subcutaneous ligatures on a naevus near the axilla.

Also a woman whilst he removed an epithelial cancer situated at the side of the nose.

Also to a man whilst he removed some necrosed bone from the upper part of the sternum.

Also to a young man whilst he removed a large portion of the entire shaft of the ulna and of the radius which had become necrosed after the bite of a horse.

Also to a man whilst he removed a large fungoid-looking tumour of the testicle.

Also to a man (who had lost his nose) whilst Mr. F. enlarged the opening of the nares, and introduced a trachea tube.

**Sunday 19 October**

Administered Chloroform again to Mr. Moses, Trinity Sq., whilst Mr. Coulson repeated the lithotrity.

Administered Chloroform yesterday at 5 Sackville St. to Lady Darnley whilst Mr. F. W. Rogers extracted a tooth and a stump.

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**Monday 20 October, 1856**

Administered Chloroform to lady at Mr. Canton's whilst he extracted four teeth.

**Tuesday 21 October**

Administered Chloroform to a gentleman at Mr. West's whilst he extracted two teeth.

Administered Chloroform to a lady at 72 Oxford Square, patient of Dr. Dolton, whilst Mr. Curling operated for fistula in ano.

***Wednesday 22 October***

Administered Chloroform to a gentleman about 25, named Burbidge, at Stamford Hill, whilst Mr. Salmon operated for fissure of the anus.

***Thursday 23 October***

Administered Chloroform to a lady, aged 22, at Mr. Saunders' whilst he extracted four teeth.

***Friday 24 October***

Administered Chloroform at Mr. Hockley's, Gerrard St., to Mrs. Johnson, Grafton Street, whilst he extracted 7 teeth and stumps. Mr. Marshall was present.

Administered Chloroform at 32 Bedford Place, Russell Sq., to a gentleman, about 20, whilst Mr. Bowman operated for fistula in ano.

***Saturday 25 October***

Administered Chloroform at King's College Hospital to an infant, 7 months old, whilst Mr. Bowman operated on one side of a double hare-lip.

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{728} Also to a young man whilst Mr. Fergusson performed an operation for the closure of a false anus at the sacrum, consequent on hip disease. This patient had one or two operations 2 or 3 years ago in the hospital.

Also to a young woman whilst he performed amputation below the knee on account of chronic disease about the ankle.

***Sunday 26 October***

Administered Chloroform at 13 Avenue Road, Regent's Park, to a lady, about 35, whilst Mr. Coulson performed excision of the elbow joint for chronic disease.

***Monday 27 October***

Administered Chloroform to Mr. Clinch, Jobmaster, Keppel St., an elderly man, whilst Mr. Salmon operated on some extensive fistulae near the anus.

Administered Chloroform to Miss Alexander at Mr. Saunders' whilst he extracted four teeth.

Administered Chloroform again to Mr. Moses, Stockwell Park, whilst Mr. Coulson repeated the lithotrity.

**Tuesday 28 October**

Administered Chloroform at Mr. Bowman's to a boy, aged 6 years, whilst he applied actual cautery to a fistula lachrymalis.

Also to an elderly lady named Mrs. Du Croz, at Almond's Hotel, whilst he operated for entropion.

Administered Chloroform at 15 Bentinck St., Manchester Sq., to a middle-aged, married lady whilst Mr. Fergusson operated for fistula in ano.

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**Wednesday 29 October, 1856**

Administered Chloroform to a gentleman at 32 Old Burlington St. whilst Mr. S. Cartwright extracted three front teeth.

**Thursday 30 October**

Administered Chloroform to Mr. Chas. Booth, a very tall young man, a barrister lodging in Great Ryder St., whilst Mr. Bowman laid open some sinuses in the groin.

Administered Chloroform at 69 Broad Street to a lady whilst Mr. West extracted two teeth.

**Saturday 1 November**

Administered Chloroform at Mr. Saunders' to a spinster, about 30, whilst he extracted 7 teeth.

Administered Chloroform at King's College Hospital to a young woman whilst Mr. Fergusson removed some necrosed bone from the humerus.

Also to a young woman whilst he removed a tumour (glandular, apparently) from the thigh just below the groin.

Also to a woman whilst he performed amputation of part of the foot.

Also to a girl, about 12, whilst Mr. Bowman performed excision of the knee.

**Monday 3 November**

Administered Chloroform at 16 Hanover Square to a tall young man in his 20th. year whilst Mr. T. A. Rogers extracted a tooth.

Administered Chloroform at Kensington House Lunatic Asylum to a gentleman {730} paralysed on the left side, and suffering from neuralgic pains on that side. He inhaled very quietly, and fell asleep before a drachm of chloroform was inhaled. He slept for about two hours after I left.

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***Tuesday 4 November***

Administered Chloroform at Mr. Saunders' to the young lady who took it on the 23rd. Ult. Mr. S. extracted another tooth.

Administered Chloroform again to the gentleman at Kensington House. It was repeated twice, as he awoke in a few minutes.

***Thursday 6 Nov.***

Administered Chloroform in Panton Square to an officer, about 50, whilst Mr. Fergusson laid open some sinuses in the scrotum associated with the urethra.

Administered Chloroform again to Mr. Moses, of Stockwell, whilst Mr. Coulson repeated the lithotrity.

Administered Chloroform again to Mr. Moses, of Trinity Square, whilst Mr. Coulson searched the bladder with the lithotrite, but did not find any stone. The operation lasted about three quarters of an hour.

***Saturday 8 Nov.***

Administered Chloroform at 6 Lonsdale Villas, Westbourne Grove, to Miss Ansty, about 25, whilst Mr. Salmon operated for fissure of the anus.

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Administered Chloroform at King's College Hospital to a girl, about 13, whilst Mr. Fergusson operated for necrosis of the tibia. The {731} necrosis extended the whole length of the bone in its interior, and the operation was a protracted one.

Also to a man whilst Mr. Bowman performed excision of the eye. It had been destroyed by injury and was causing mischief in the other.

Also to a man whilst Mr. Fergusson operated for stricture of the urethra by perineal section.

***Monday 10 Nov., 1856***

Administered Chloroform to Mr. Eddy, Chemist and Druggist, 30 Crown St., Finsbury Sq., whilst Mr. Salmon divided some extensive sinuses about the anus.

Administered Chloroform again to Mr. Chas. Booth, at 12 Great Ryder St., whilst Mr. Bowman opened some additional sinuses.

***Wednesday 12 November***

Administered Chloroform at Mr. Tomes' to a gentleman whilst he extracted about 11 teeth and stumps.

## Case Books

### **Friday 14 Nov.**

Administered Chloroform to Mrs. Milner, from Hull, 4 Orsett Place, Westbourne Terrace, whilst Mr. Coulson removed a large cystic tumour of the breast. Died 19th.

### **Saturday 15 Nov.**

Administered Chloroform at Mr. Canton's to Miss Ward, about 30, whilst he extracted two teeth.

Administered Chloroform at King's College Hospital to a young man whilst Mr. Fergusson operated by ligature on a very large naevus of the upper lip.

Also to a child whilst he performed a plastic operation on the face to repair {732} a loss of the lower lip.

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Also to a young man whilst he operated for stricture of the rectum.

Also to a young man whilst he laid open a diseased knee.

Administered Chloroform to the wife of Dr. Marsden, of Great Malvern, whilst Mr. Fergusson operated for haemorrhoids by ligature and cut away some folds of loose skin. I continued the chloroform at intervals for 5 hours afterwards, and Dr. M. gave a little for the next two days on account of the pain. She had no sickness.

### **Sunday 16 Nov.**

Administered Chloroform at 8 Panton Square to Col. Irvine whilst Mr. Fergusson performed another operation on the epithelial cancer near the eye which had returned.

### **Monday 17 Nov.**

Administered Chloroform at Mr. Fergusson's to a lady whilst he probed some sinuses near the knee.

Administered Chloroform to a maiden lady, the sister-in-law of Mr. Pearse, 10 Regent St., Westminster, whilst Mr. Holt removed a medullary tumour of the breast. Got well.

Administered Chloroform again to Mr. Moses, of Stockwell. Mr. Coulson examined the bladder but he found no stone.

### **Tuesday 18 Nov.**

Administered Chloroform at 7 Palace Terrace, Richmond, to a gentleman, about 35, whilst Mr. Fergusson operated for fistula in ano. Mr. Chapman was present.

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**Wednesday 19 Nov., 1856**

Administered Chloroform at Mr. Fergusson's to an infant, about 7 months old, whilst he operated for hare-lip.

Administered Chloroform to a gentleman, about 30, lodging at 4 Wimpole St., whilst Mr. Busk amputated above the knee, at the upper third of the thigh, for a tumour connected with the lower part of the thigh bone. The tumour was, in great measure, cartilaginous with some bones and cysts. Got well.

**Friday 21 Nov.**

Administered Chloroform to Mrs. Philips, about 55, at Almond's Hotel whilst Mr. Sibley opened a large abscess in the calf of the leg. Mr. Chilver was present.

Administered Chloroform at 12 Kensington Gardens Terrace to Mrs. Kennedy Hutchison, a stoutish lady about 60, a patient of Mr. Frampton, whilst Mr. Bowman removed a small epithelial tumour of the lower eyelid.

**Saturday 22 Nov.**

Administered Chloroform in King's College Hospital to a man whilst Mr. Fergusson removed a sebaceous tumour situated in front of the shoulder.

Also to a young man whilst he performed a plastic operation on the face just below the nose and above the upper lip.

Also to a man whilst he made a new nose from the forehead.

Also to an old man whilst he performed lithotomy.

Also to a girl whilst he performed tenotomy on the foot.

Administered Chloroform to Mrs. Hankey at Mr. Saunders' whilst he extracted two wisdom teeth – an upper and a lower one.

Administered Chloroform on Thursday last to a woman at the Samaritan Hospital whilst Mr. Spencer Wells operated for vesico-vaginal fistula.

734 {734}

**Monday 24 November**

Administered Chloroform at Mr. Haynes Walton's to his little boy, aged 4 years, whilst he removed some necrosed bone from the os calcis.

**Tuesday 25 November**

Administered Chloroform at 11 Hyde Park Terrace to Mrs. Huyton, a lady about 55 or 60, whilst Mr. Bowman operated for cataract. The lens had been drilled about ten days previously and, on this occasion, Mr. Bowman extracted it in a softish state with a scoop through a small incision.



*Case Books*

***Wednesday 26 Nov.***

Administered Chloroform to a patient of Mr. Young, an unmarried lady about 20, whilst Mr. F. W. Rogers extracted two teeth.

Administered Chloroform at 16 Hanover Square to a young lady, about 18 or 20, whilst Mr. T. A. Rogers extracted 4 teeth and stumps.

Administered Chloroform at the Institution, 1 Upper Harley St., whilst Mr. Bowman tied some small haemorrhoids and applied two écraseurs to two large haemorrhoidal tumours, removing them. The process took half an hour.

***Friday 28 Nov.***

Administered Chloroform at Mr. Saunders' to Miss Solomons, a young lady of Park Lane, whilst he extracted four stumps and teeth.

***Saturday 29 Nov.***

Administered Chloroform at 16 Hanover Sq. to an officer from Aldershot whilst Mr. T. A. Rogers extracted 5 stumps.

Administered Chloroform to Mrs. Fisher, 35 Queen Square, Bloomsbury, whilst Mr. Salmon made an examination of the rectum.

{735} Administered Chloroform in the Quadrant, Regent St. to a lady, about 40, from Basingstoke whilst Mr. Stanley removed a tumour of the lower jaw, dividing it just in front of the left ramus and a little to the right of the symphysis. The operation lasted one hour and 35 minutes. No faintness, &c. Died in 3 or 4 days.

735

Administered Chloroform at Queen's Gardens, Bayswater, to Mr. ==, a Barrister, whilst Mr. Caesar Hawkins examined the rectum with Sir B. Brodie, and removed an excrescence thought to be connected with malignant disease.

***Wednesday 3 Dec., 1856***

Administered Chloroform at Devonshire Terrace, Brompton, to a lady whilst Mr. Fergusson operated for fistula in ano.

***Thursday 4 Dec.***

Administered Chloroform at Mr. Saunders' to a girl, aged 10, whilst he extracted three teeth.

Administered Chloroform at Mr. Canton's to a lady whilst he extracted three or four teeth.

***Friday 5 Dec.***

Administered Chloroform to a lady at Norwood, a patient of Dr. Leese, whilst Mr. Spencer Wells operated for fistula in ano. The lady was in violent hysterics whilst Dr. L. was trying to persuade her to submit to the operation, and before Mr. Wells and I entered the room. I gave the chloroform by force, beginning with it on a handkerchief.

**Saturday 6 Dec.**

- 736 Administered Chloroform at the National Club to Sir Michael Smith {736} whilst Mr. Bowman operated for entropion.

**Monday 8 Dec.**

Administered Chloroform to Mr. Harding, aged about 40, at 4 Marquis Villas, Lower Road, Islington, whilst Mr. Coulson performed Syme's operation for stricture.

**Tuesday 9 Dec.**

Administered Chloroform to a gentleman from the country, about 40, at 11 George Street whilst Mr. Bowman removed a portion of necrosed bone from the tibia. The complaint followed a fracture.

**Saturday 13 Dec.**

Administered Chloroform to Mr. George, about 35, at Bridge St., Westminster, whilst Mr. Newton, of Fitzroy Square, operated for fissure of the anus.

Administered Amylene at King's College Hospital to a little girl, aged about 3<sup>1</sup>/<sub>2</sub> years, whilst Mr. Fergusson divided some tendons for club foot.

Also to ===

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**Sunday 14 Dec., 1856**

Administered Chloroform again to Mr. Moses, Trinity Square. On this occasion Mr. Coulson removed an epithelial growth from the foot near the ball of the great toe.

**Monday 15 Dec.**

Administered Chloroform at Mr. Bowman's to a little boy whilst he removed a foreign body from the cornea.

**Tuesday 16 Dec.**

Administered Chloroform at 5 Sackville St. to a lady, about 20, whilst Mr. F. W. Rogers extracted two teeth.

Also to a youth, about 11, whilst he extracted 2 or 3 teeth.

**Wednesday 17 Dec.**

Administered Chloroform at 9 Manchester St. to a gentleman whilst Mr. Salmon operated for fistula in ano.

Administered Chloroform at 9 Berkeley Sq. to a gentleman, about 25, whilst Mr. Fergusson divided one of the extensor tendons of the great toe.

Administered Chloroform to a son of Mr. T. B. Curling, aged 9 years, whilst Mr. C. operated for congenital phymosis.

**Saturday 20 Dec.**

Administered Chloroform at Perran Wharf, near Penryn, Cornwall, to Mr. Henry Williams whilst Mr. Coulson operated for ligature for haemorrhoids.

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738

**Tuesday 23 Dec.**

Administered Chloroform at Penzance to a son of Mr. Grenfell, about 18, whilst Mr. Coulson removed an encysted tumour from the scrotum.

**Wednesday 24 Dec.**

Administered Chloroform near Henrietta St. to Capt. Lane of Southampton, about 55, whilst Mr. W. Adams divided the flexor tendons of one of the fingers.

**Friday 26 Dec.**

Administered Chloroform at Mr. Crampton's to a lady, about 50, Mrs. Richardson, 67 Portland Place, whilst he extracted two teeth.

Administered Chloroform at Mr. Saunders' to the sister of Lord Leigh, a spinster lady about 30, very anaemic and suffering much from neuralgia. She was somewhat faint afterwards. 3 teeth were extracted.

Administered Chloroform at Mr. Vanderpant's to a young man in the Guards, about 19, whilst Mr. V. extracted two teeth.

**Saturday 27 Dec.**

Administered Chloroform at 16 Hanover Square to a girl, aged 13, whilst Mr. T. A. Rogers extracted three molar teeth.

Administered Amylene at King's College Hospital to the female child, aged 3<sup>1</sup>/<sub>2</sub>, who took it a fortnight ago. She inhaled for about two minutes when Mr. Fergusson divided three more tendons about the foot. The eyes were turned up at the time the operation commenced. The Amylene was continued occasionally during the operation for a minute or two. She recovered her consciousness very promptly.

739 {739}

**Sunday 28 Dec., 1856**

Administered Chloroform at St. Paul's Hotel to a gentleman, about 55 or 60, patient of Dr. May, whilst Mr. Hilton operated for fissure of the anus.

**Monday 29 Dec.**

Administered Chloroform at Mr. Saunders' to an unmarried lady, about 20, whilst he extracted 6 teeth. The patient was menstruating, but there was no excitement or anything unusual.

**Wednesday 31 Dec.**

Administered Chloroform to a lunatic gentleman named Popham, aged 35, a little beyond Reading, whilst Mr. Caesar Hawkins made a deep cervical incision in a large carbuncle at the back and side of the neck.

Administered Chloroform at 5 Sackville Street to a girl, aged 10, whilst Mr. F. W. Rogers extracted two teeth.

Administered Chloroform at 11 George St., Minories, to a gentleman about 50, from the country, whilst Mr. Coulson examined the bladder with the lithotrite. No stone was detected.

740 {740}

**Thursday 1 January, 1857**

Administered Chloroform at the Ship, Wormwood Street, to Mrs. Cock, about 50, whilst Mr. Coulson removed some necrosed portions of the metatarsal bone of the great toe, and afterwards found it necessary to amputate the toe.

**Friday 2 January**

Administered Chloroform to a French woman, unmarried, lodging at 46 Bond Street, whilst Mr. Kempton extracted a molar tooth.

**Saturday 3 January**

Administered Chloroform at King's College Hospital to a very puny infant, about three months old, whilst Mr. Fergusson operated for hare-lip.

Administered Amylene to an infant, under a year old, whilst Mr. Fergusson operated by ligature on a naevus of the neck. It was given with the small inhaler, but the child was scarcely insensible as it cried a little once or twice.

Administered Amylene to the man who inhaled chloroform on Nov. 26, whilst Mr. Fergusson made a new nose from the forehead. On this occasion Mr. F. performed an additional plastic operation on the nose. The patient inhaled the Amylene from the new inhaler. There was a difficulty in getting the face-piece to the new nose: air passed in by

the side, and he inhaled for six minutes before the operation commenced. The conjunctiva was not insensible and he seemed to be in the 3rd. degree of narcotism but the incisions at the commencement of the op<sup>n</sup>. caused no sign of pain. There was less struggling and rigidity during the inhalation of Amylene than when he took chloroform. The Amylene was applied on a sponge during the operation which was somewhat tedious, and it {741} prevented all knowledge of pain, and he did not flinch more than when chloroform was given in a similar way during the former operation. He talked once or twice during the operation, but seemed quite unaware of the knife and needle being used. He recovered promptly, and without sickness. About 3iss of Amylene was used altogether.

741

Administered Amylene to a woman, about 35, whilst Mr. F. opened a chronic abscess of the breast, and squeezed out some gelatinous contents. The patient coughed a little at first, but the cough subsided in half a minute. The patient was ready for the operation in two minutes without excitement or struggling. The pupils were inclined upwards and the conjunctivae nearly insensible. As the operation was not commenced for about a minute the vapour was given occasionally. The op<sup>n</sup> caused not the slightest sign of pain. The pulse remained good, being accelerated. The face was somewhat flushed. The patient recovered her consciousness very promptly, seeming quite cheerful.

Administered Chloroform at Mr. Saunders' to the wife of Dr. Spitta whilst he extracted three teeth. The patient was menstruating, and there was a little hysterical excitement during the recovery.

Administered Chloroform at Wood's Hotel, Furnival's Inn, to a lean, muscular young man whilst Mr. Fergusson opened an abscess in the perineum. There was great struggling and rigidity. The patient is accustomed to violent exercise.

**Monday 5 January, 1857**

Administered Chloroform again to Mr. Popham, of Purley Hall {742} whilst Mr. Hawkins made some additional incisions in the carbuncle. No sickness.

742

**Wednesday 7 January**

Amylene. Amputation. Mr. H. Lee.

Administered Chloroform at Mr. Cartwright's to a lady whilst he extracted seven stumps of teeth. A little vomiting.

Administered Chloroform at 15 Clarges Street to Mr. Fitzherbert, aged 66, whilst Mr. Fergusson performed lithotomy, removing 42 calculi, twelve of them being nearly as large as chestnuts and the rest about as big as hazelnuts. No sickness. Died.

**Thursday 8 January**

Administered Chloroform at Mr. Fletcher's to a young lady whilst he extracted three teeth. No sickness.

**Friday 9 January**

Administered Chloroform at Mr. Hartry's to an officer who had been in the Crimea whilst Mr. H. extracted a tooth. No sickness.

**Saturday 10 January**

Administered Chloroform at 6 Kensington Gardens Terrace to Miss McCabe, about 20, whilst Mr. Lawrence removed a small mammary tumour from the right breast and a very small one from the left breast. Some vomiting. Dr. Tweedie was present.

Administered Amylene in King's College Hospital to three patients. See *Medical Times & Gazettes*.\*

743

{743}

**Monday 12 January, 1857**

Administered Chloroform at 9 Manchester Street to Mr. Taylor, from Biggleswade, about 50, whilst Mr. Salmon operated for fistula in ano, and laid open some very extensive sinuses about the nates. No sickness.

**Tuesday 13 January**

Administered Chloroform at 15 Thayer Street to a married woman whilst Mr. Salmon operated for fissure of the rectum and prolapsus of the mucous membrane.

Administered Chloroform again to Mrs. Philips, at Almond's Hotel, whilst Mr. Sibley laid open some sinuses in the leg. Vomiting.

Administered Chloroform to a married lady at Mr. Lintott's whilst he cut off the crowns of two teeth, destroyed the nerves, and filed the edges. Vomiting a little.

**Wednesday 14 January**

Administered Amylene at St. James' Parochial Infirmary to a woman, aged 68, whilst Mr. French reduced a dislocation of the humerus. She inhaled for three minutes, when she seemed in the 3rd. degree of narcotism. The humerus slipped into its place with the utmost ease although Mr. French found a good deal of resistance in an attempt he made before sending for me. In two minutes after the reduction, and just five minutes after beginning to inhale, the patient was quite awake again and said that she had felt nothing.

744

Administered Amylene at King's College Hospital to Mr. Meadows, Dr. Farre's assistant, whilst Mr. Parkinson removed the roots {744} of a molar tooth which had been broken the day before, when Mr. M. inhaled chloroform. He inhaled the amylenes three times for separate attempts with the elevator. He inhaled about an ounce. He was very cheerful afterwards and had no sickness. (He had not had any after the chloroform.) He was a little excited for about two minutes. He had been excited for about half an hour after the chloroform.

\*[Snow was here referring to his series of articles in the *Medical Times and Gazette* of 1857 on the use of amylenes as an anaesthetic. The first was published in two parts on 17 and 24 January, the second in three parts on 4, 11 and 18 April, and a third on 8 August. See *Introduction* pp. xxxix–xl.]

**Thursday 15 January**

Administered Amylene in St. George's Hospital to a woman, about 35, whilst Mr. H. C. Johnson removed a deep-seated, glandular tumour situated behind the angle of the jaw. The patient objected to inhale before the face-piece was applied, and she made a little resistance after commencing, but Mr. Potter held her hands and in about half a minute her resistance suddenly and entirely ceased. The operation was commenced in three minutes, the eyes being turned upwards and the sensibility of the edges of the eyelids somewhat diminished. There was no sign of pain, and after a little time she was allowed to pass into the second degree of narcotism without feeling pain. The operation lasted twenty minutes, and during a great part of the time the patient had her eyes open and seemed in a semi-conscious state. She was slightly hysterical for a few minutes on recovering. She is at all times liable to be so.

Also to a boy, about 13 or 14, whilst Mr. Tatum performed amputation above the knee. He was insensible in less than 3 minutes, was in the 3rd. degree in the first part of the operation, in the 2nd. degree during the tying of the arteries, and whilst the stitches were introduced was quite awake, but did not feel.

Also to another boy about the same age. Necrosis? This boy was somewhat rigid, threw his head back and tossed himself about a little at the beginning of the operation, but a little more amylene made him quiet. No sickness in any.

{745}

745

**Friday 16 January, 1857**

Administered Chloroform at Mr. Saunders' to a boy, about 13, whilst Mr. S. extracted two molar teeth. No sickness, &c.

Also to Miss Hankey, a somewhat elderly lady, whilst he extracted five or six teeth and stumps. A little faintness and some vomiting.

**Saturday 17 January**

Administered Chloroform at Mr. Saunders' to a Mrs. Coe, daughter of Mr. Brooks, St. John's Wood, whilst Mr. S. extracted two wisdom teeth. A little vomiting.

Administered Amylene in King's College Hospital to an infant, about a year old, whilst Mr. Fergusson operated by ligatures on a naevus of the forehead. It partially awoke, and cried a little during the operation.

Also to a boy, about 6 years, whilst he performed lithotomy. The boy was in the 3rd. degree of narcotism during the operation, and the breathing was of a sobbing character. The muscles were not relaxed.

Also to a girl, about ten, whilst he divided some tendons near the knee. There was no pain. She was in the 2nd. degree during the after part of the operation.

Also to an infant, 5 or 6 months old, whilst he operated on one side of a double hare-lip. The infant was insensible to the knife at the beginning, but began to cry a little before the

incisions were finished, and cried still more as the needles were introduced, although I attempted to apply more amylene on a sponge.

***Sunday 18 January***

746 Administered Amylene at the St. James' Infirmary with the small inhaler to an infant, 5 months old, whilst Mr. French and Mr. Thos. Buzzard reduced a {746} strangulated femoral hernia. Mr. Buzzard had tried previously, to a certain extent, but did not succeed in reducing it. Just after the operation the child brought up a mouthful or two of milk that it had taken just before.

***Monday 19 January***

Administered Chloroform to a middle-aged gentleman at 6 Wigmore St. whilst Mr. Salmon operated for haemorrhoids. No sickness.

Administered Chloroform at 17 Duke Street, Portland Place, to Mrs. Adams, a middle-aged female, a monthly nurse who nursed Lady Anne Traford. Mr. Bowman performed excision of the right eyeball. No sickness; prompt recovery of consciousness. Was very quiet during the operation. No stertor, &c.

***Tuesday 20 January***

Administered Chloroform at Mr. Cartwright's to Mr. Saward, brother of a student at King's College Hospital whilst Mr. S. Cartwright extracted 11 teeth and stumps. No sickness.

Administered Chloroform at Mr. Tomes' to a son of Sir Rich<sup>d</sup>. Mcgrue whilst Mr. T. extracted three 1st. molar teeth and two stumps of the 4th. 1st. molar. A little feeling of sickness and depression afterwards, and a little retching though nothing was vomited.

747 Administered Amylene to a woman in the St. James' Infirmary in her second labour. The labour had been lingering, having lasted 35 hours. The child was born in 20 minutes after I commenced. She inhaled half a fluid ounce. It was given at the beginning of each pain, with the valve one fourth open. The patient breathed very deeply, and got relief very quickly from each pain. As the uterine action {747} subsided somewhat suddenly there was question whether the amylene checked the uterine contractions or not, so it was proposed to leave it off for two or three pains, but in the first of these the head was born and it subsided as quickly as before. A little amylene was given during the next pain and the rest of the child was born. There was but little uterine contraction afterwards and, although I stayed for 50 minutes, the placenta was not born. There was hardly any haemorrhage.

The mind was quite clear between the pains, and it was not apparent whether or not the consciousness was removed for half a minute or so by the amylene at each pain. The placenta was expelled three quarters of an hour after I left. 24th. Going on well.



**Wednesday 21 January, 1857**

Administered Chloroform at Mr. S. Cartwright's to an unmarried lady, about 20, whilst he extracted 15 teeth. The chloroform was repeated once or twice. There was no sickness.

Administered Chloroform at 3 Sussex Square to a child of Mr. Hanbury, aged 14 months, whilst Mr. Fergusson removed a small encysted tumour situated just beneath the inner corner of the eyebrow. Vomiting of a copious meal taken half an hour before.

**Thursday 22 January**

Administered Amylene at Mr. S. Cartwright's to Miss Glynn, 25 or 30, whilst he extracted seven stumps and teeth. Three or four of them were very difficult to get out and the amylenes was repeated twice after the first application. The patient became quietly insensible, and the effects of the amylenes lasted a good {748} while. As the effect of the second dose was going off, and whilst Mr. C. was extracting a very difficult tooth, the patient began to cry hysterically. This crying continued during the greater part of the exhibition of the last dose, and recommenced immediately on the last tooth being extracted. It became violent, and lasted for ten minutes. After this it gradually subsided and Miss Glynn was very cheerful and felt quite well. There was not the least sickness although she is very subject to it. She remembered nothing of the operation, but remembered crying.

748

Administered Amylene at 1 Clifford Street to a married lady from Essex, about 35, whilst Mr. Bowman removed a small encysted tumour situated just above the inner corner of the eye, and below the inner corner of the eyebrow. The patient, who was very nervous and frightened, complained at first of a little sense of choking. In a minute or two she became unconscious, and suddenly screamed out and tossed herself about on the sofa. I gave her some more amylenes with the valve quite closed and she suddenly became quiet, Mr. Hulke observing that the pulse was very small, and tried to feel it and for a few seconds, could not find any. In a short time, however, I found it rapid and small as if recommencing, and it quickly improved. As the pulse was improving she ceased to breathe for a short time but only as if holding her breath. The breathing was soon resumed and she began to open her eyes and look about. I gave a little more amylenes, and the patient was soon in the third degree of narcotism, being very quiet. The operation was performed, a little amylenes being given now & then during its performance. The patient woke promptly after its conclusion, and had no sickness. She said she felt faint, and asked for a window to be opened just after the conclusion of the op'n. She was breathing deeply at the time; the pulse was good and the colour of the lips as usual. She did not become very pale when the pulse was so small before the operation, and the countenance was not seriously altered.

{749} Administered Amylene at 16 Hanover Square to a boy, about 11, whilst Mr. Thos. Rogers extracted three molar teeth. The boy was frightened and had some objection to begin. He breathed very well when he had commenced, and the inhalation lasted two or three minutes. The pupils were rather widely dilated just after he began to inhale, and then look about with a vacant stare, and shortly seemed to be approaching the 3rd. degree of narcotism. The eyes were inclined to turn up, and he moved a little and held his arms up:

749

the conjunctivae were not insensible. I did not feel for his pulse just before the operation began. He moved about during the extraction of the teeth, and curved himself backwards so that he slipped partly out of the chair. The operation lasted but a very short time. He seemed well enough the moment after the operation, and likely to recover quickly, but on placing my finger on the wrist I could not feel any pulse. As he was rather rigid and moving about a little I thought the brachial artery might be compressed, and I felt for the temporal artery and was equally unsuccessful. At this time, except for the absence of pulse, there was nothing to excite alarm, but his breathing shortly became deep and attended with a little stertor and he became very pale and livid and seemed as if about to cease breathing. I put my ear to his chest and could hear his heart beating feebly and very slowly. I only waited to hear two beats when I carried him, with the assistance of Mr. R., to the sofa. His colour and pulse immediately returned, and he breathed naturally and opened his eyes and – in fact – was recovering in the space of a few seconds. The time between the conclusion of the operation and my putting my ear to the chest was probably less than a minute. He was recovering his consciousness six minutes after the commencement of the inhalation. He complained of pain in the forehead for the first 10 minutes after recovering his consciousness, and after this he seemed pretty well.

750 {750} Administered chloroform to a single lady, about 20, whilst Mr. T. A. Rogers extracted two teeth. No sickness. Prompt recovery. The patient was menstruating.

***Friday 23 January, 1857***

Administered Amylene at 10 Orme Square to a boy of Mr. Sanders, aged 10 or 11 years, whilst Mr. Fergusson divided the tendon of the biceps flexor of the arm in front of the elbow and stretched out the fore-arm, which had become flexed in consequence of position after a fracture. Inhaled about 3 minutes, valve not quite closed. Conjunctivae not insensible. Moved a little during operation, but did not cry. Cried afterwards and did not seem fully conscious when I left in 7 minutes or so. No sickness although he had taken his dinner half an hour before.

***Saturday 24***

Administered Chloroform at Mr. Fergusson's to an infant, 5 months old, whilst he operated by needle and sub-cutaneous ligatures on a naevus on the chin. No sickness.

Administered Amylene at King's College Hospital to a girl, about 12, whilst Mr. Fergusson performed a further plastic operation to remedy an aperture in the cheek. She woke very quickly whenever I was unable to keep the sponge near the mouth. I used chloroform during the latter part of the operation, but it was hardly more successful.

Administered Amylene also to a middle-aged woman whilst he removed a scirrhus tumour of the breast. She was in the 2nd. degree of narcotism during a great part of the operation.

Also to a young man whilst he made forcible extension of an ankylosed elbow, and laid open some abscess near the joint.

{751} Administered Amylene also in King's College Hospital to an elderly man whilst Mr. Bowman performed excision of the eyeball, affected with melanosis. This patient struggled rather strongly before being quite insensible and had a tendency to flinch and move about whenever he verged into the 2nd. degree during the operation. No sickness in any.

751

Administered Chloroform to Lieut<sup>l</sup>. Cromarty at 14 Upper Montague St. whilst Mr. Brodhurst made forcible flexion of an ankylosed hip joint. No sickness.

**Sunday 25 January**

Administered Amylene again to Mr. Meadows at King's College Hospital whilst Mr. Heath lanced the gums over a wisdom tooth and attempted to extract it, but as it was a sound tooth it was decided to leave it. The amylenes acted as on the former occasion.

Administered Amylene also in the Hospital to a child, four years old, whilst a fracture of the femur was reduced. It acted favourably, entirely preventing the pain.

Administered Chloroform to Mr. White === whilst Mr. Duffin introduced a catheter. Great struggling and rigidity before insensibility. There was muttering, incoherently, whilst struggling. Mr. Duffin had tried to get him under chloroform on a previous occasion, but desisted on account of the convulsive action. Sickness.

**Tuesday 26 [sic] January**

Administered Amylene in the St. James' Infirmary to a man, aged 72, with a dislocation of the humerus forwards. He became somewhat excited, and then got {752} into a state of muscular rigidity, and did not get beyond this state although I continued the inhalation nearly ten minutes until about two ounces were used. The face-piece did not fit well, owing to the loss of teeth which added to the difficulty. Mr. Buzzard could not reduce the humerus owing to the resistance of the muscles. Some chloroform was sent for and was administered a quarter of an hour afterwards. It produced as much rigidity but this was got over in a minute or two and the humerus was readily reduced whilst the patient was snoring. No sickness.

752

Administered Amylene at the Moorfields Ophthalmic Hospital to a dwarfish young man whilst Mr. Bowman divided the inflamed conjunctiva all round the outside of the cornea. The patient struggled very violently and went into a state of opisthotonos. He was made quiet, but the struggling returned once or twice during the operation when the inhalation was left off for a few seconds. Mr. Bowman removed the edge of the upper eyelid after I thought the operation was concluded and the amylenes had been discontinued a short time. He cried loudly during this part of the operation but, on coming to himself a minute afterwards, he said he had not felt it. No sickness.

Also to a stoutish young woman whilst Mr. B. divided the conjunctiva in a similar manner. She cried out hysterically whilst getting unconscious, after which there was considerable rigidity, though not as much as in the last case. She was then made pretty quiet, but there was some difficulty in the operation owing to the eye being inclined very much upwards.

This patient lay nearly ten minutes before being quite conscious, and then she was just able to walk without help.

753 {753} Administered Chloroform to a girl, about 14, niece of Dr. Cotton, whilst Mr. H. Walton operated for strabismus. No sickness whilst I remained.

Administered Amylene to an elderly gentleman at Norwood whilst Mr. Bowman performed excision of the eyeball. When he seemed almost sufficiently insensible, the sensibility of the conjunctiva being somewhat diminished, he suddenly became rigid and the rigidity increased for a quarter of a minute or so although the inhalation was suspended. The head was violently twisted towards one side. The amylenes was continued after a little delay, and he was very quiet during the operation except that he cried out unconsciously as the optic nerve was divided. He recovered his consciousness very promptly and completely.

***Wednesday 28 January, 1857***

Administered Chloroform at 12 George Street (Edwards' Hotel) to Mr. Kippersley whilst Mr. Fergusson removed a deep-seated, glandular tumour situated below the chin, rather to the left side. The patient struggled violently before being quite insensible. No sickness whilst I remained.

Administered Chloroform at 13 Wilton Place to a youth, about 18, whilst Mr. Fergusson removed an exostosis from the great toe. No sickness whilst I remained.

Administered Chloroform at 2 Acacia Terrace, St. John's Wood, to a youth named Fisher, aged 16, whilst Mr. Hancock performed amputation of the arm above the elbow. No sickness whilst I remained. Recovered.

Administered Chloroform at 16 Hanover Square to a young lady, about 20, whilst Mr. Thos. A. Rogers extracted two bicuspid teeth. Vomiting of dinner.

754 {754}

***Thursday 29 January***

Administered Amylene at St. George's Hospital to a child, 5 years old, whilst Mr. Pollock performed lithotomy, extracting a small calculus.

Also to a robust, middle-aged man whilst Mr. Hewett performed lithotrity. The catheter had been introduced and the bladder injected before the amylenes was given. Mr. Hewett introduced the lithotrite when the patient had been inhaling about a minute. He flinched a little at this time and occasionally afterwards, but did not seem to suffer pain. He sweated profusely, but the sweating began almost as soon as he commenced to inhale. Remembered nothing of the operation.

Also to an elderly man whilst Mr. Tatum performed amputation at the forearm. No struggling or rigidity: complete absence of pain. No sickness in any case.

**Friday 30 January**

Administered Amylene at the Moorfields Ophthalmic Hospital to a girl, about 18, whilst Mr. Bowman extracted a cataract from the left eye by the downward flap. The patient became quietly insensible in about three minutes, and was very quiet during the operation, and awoke promptly without after-effects.

Also to a youth, about 16, whilst Mr. Critchett performed an operation for artificial pupil. Very quiet during operation, and recovered promptly.

Also to a little girl, 7 or 8 years old, whilst Mr. Critchett operated for strabismus. Very quiet throughout.

Administered Amylene at 1 Upper Harley Street to a lady, about 25, whilst Mr. Bowman operated for strabismus in both eyes. The patient became {755} insensible very quietly in the course of three minutes, and remained very quiet during the operations. She was rather hysterical after recovering her consciousness which she did very promptly. She had taken chloroform last week for a similar operation, was violently hysterical for three hours afterwards, and vomited every quarter of an hour for twelve hours. On this occasion there was no tendency to sickness before my leaving a quarter of an hour after the operation, and no sickness afterwards. With chloroform she vomited before the end of the operation.

755

**Saturday 31 January, 1857.**

Administered Amylene at King's College Hospital to a young woman, about 19, whilst Mr. Fergusson performed a plastic operation to relieve a contraction of the arm in the forearm, caused by an extensive burn which took place in one of the epileptic fits to which the patient is subject. The operation consisted of the removal of some dense fibrous bands, and of extensive separation of the skin on the inner side of the arm and forearm. Soon after the operation commenced the breathing was rather stridulous and the patient became very pale. The pulse was at the same time very small and frequent. These symptoms passed off in a minute or two, and she went on very well during the rest of the operation.

Also to a girl, aged 13, whilst Mr. Fergusson removed some more diseased bone from the tibia. She had an operation under chloroform several weeks ago. She woke very suddenly, once or twice, when the effect of the amylenes was not well kept up, and said "Oh! My leg!", but fell asleep again after two or three inspirations.

{756} Administered sulphuric ether on a sponge to an infant, a few months old, previous to Mr. Bowman operating for the remaining part of a double hare-lip. The child has lately had bronchitis, and it coughed very much all the four minutes it was inhaling. The conjunctivae were not made quite insensible but it did not cry at the beginning of the operation. It began to cry a little before the incisions were quite completed, and it cried vigorously before the twisted suture was entirely applied.

756

Administered Amylene to a youth, about 12, whilst Mr. Bowman operated for necrosis of the femur.

*John Snow*

Also to a young man whilst he operated also for necrosis of the femur. This patient was in a state of rigidity during the whole time of the operating, and the edge of the eyelid was sensible to the touch but he showed no sign of pain.

Also in the wards to a young woman, a patient of Dr. Budd, whilst Mr. May extracted two stumps of teeth. The jaw was very rigid, even when the breathing was rather stertorous. The effect of the amylene in preventing pain lasted about three minutes.

***Sunday 1 February***

Administered Chloroform at Hartley Row, Hampshire, to a youth of 17, son of Mr. Cave, whilst Mr. Coulson operated for fistula in ano. The operation lasted upwards of half an hour. Mr. Foster, of Hartley Row, was present. No sickness.

***Monday 2 Feb.***

757 Administered Amylene to Mrs. Corry, about 50, at St. Mary Abbott's {757} Terrace, Kensington, whilst Mr. Wm. Adams removed some large haemorrhoids and tumours with the écraseur. It was applied twice, and the operation lasted about 35 minutes. The patient was emaciated by bleeding from the haemorrhoids. There was a good deal of rigidity, and tendency to bend back the head and to straighten out the legs after they had been bent up, and after the operation commenced there was a great tendency to flinch, except when the narcotism was deep. The features had, also, an unpleasant, contracted expression. After the amylene had been inhaled for a quarter of an hour I administered the chloroform, but the symptoms continued exactly the same, with the same tendency to flinch. It did not require, however, to be inhaled so constantly as the amylene and towards the end of the operation the patient lay more quietly, as usually happens. No sickness then or afterwards.

Administered Amylene to a lady, about 35, lodging at 38 Albemarle St., whilst Mr. Bowman removed the right eyeball. The patient became quietly insensible without the least excitement or rigidity, and was perfectly quiet during the operation, the colour and expression remaining natural.

***Tuesday 3 February, 1857***

Administered Chloroform again to the Barrister at 6 Queen's Gardens who inhaled it on Nov. 29. On this occasion Sir B. Brodie, Mr. Ceely, and Mr. Salmon made an examination of the rectum which is affected with malignant disease. Nothing was done. No sickness.

758 Administered Chloroform to an infant of Mr. Shaw, aged 13 months, at 12 St. Paul's Villas, Lower Road, Islington, whilst Mr. Coulson operated {758} on a naevus situated near the outer end of the clavicle.

**Wednesday 4 February**

Administered Amylene at Mr. Tomes' to a young lady, about 20, daughter of Mr. de la Rue, whilst he cut off the crowns of four incisors and destroyed the nerves. Also, about a quarter of an hour afterwards, whilst he extracted the stump of a bicuspid tooth. No sickness or depression. A little hysterical excitement for two or three minutes as the effects of the vapour were subsiding.

Administered Chloroform to a gentleman at Mr. Lintott's whilst he extracted a tooth. No sickness whilst I stayed.

Administered Chloroform again to Mr. White, Margaret Street, whilst Mr. Duffin introduced a catheter again. Less struggling and rigidity than before.

**Thursday 5 February**

Administered Chloroform at Mr. Canton's to Mr. Hathaway, about 20, whilst he extracted two molar teeth. No sickness.

Administered Amylene in the London Hospital to a middle-aged man whilst Mr. Curling operated for stricture by perineal section. The patient inhaled for 34 minutes, and about five and a half ounces of amylene were used. The patient was, now and then, rather rigid and bent his head back. He also flinched a little now and then. He recovered very promptly and completely when the operation was concluded.

Also to a slender young man, about 20, previous to Mr. Wordsworth's removing the great toe with its metatarsal bone. After the operation {759} was commenced chloroform was given owing to the amylene being all used. He became insensible without excitement, rigidity or struggling, and remained quiet during the operation. The pupils were inclined upwards at the beginning of the operation and during the greater part of it. He recovered promptly and had no sickness whilst I remained.

759

**Friday 6 Feb., 1857**

Administered Chloroform to Dr. Quin whilst Mr. Fergusson opened a large abscess in the perineum.

Administered Chloroform at 9 Manchester Street to a gentleman, about 35, whilst Mr. Salmon operated for fistula in ano.

Administered Amylene to a gentleman (Mr. Davy) at Mr. Bowman's. The patient was about 25. He became insensible without excitement or struggling and was perfectly quiet during the operation, and recovered promptly without sickness or discomfort of any kind. He had dined a little before the operation.

**Saturday 7 February**

Administered Chloroform to a Mrs. Barsing, about 30, at Mr. Normansell's whilst he extracted two teeth. Hysterical screaming whilst recovering.

Administered Amylene at Mr. Bowman's to a boy, nine years old, whilst he operated for strabismus on both eyes. This boy vomited once after taking food some hours after the operation.

Administered Chloroform at Mr. Saunders' to an elderly lady whilst he extracted 8 or 10 stumps of teeth from the upper jaw. No sickness whilst I remained.

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**Monday 9 February**

Administered Amylene again at Mr. Bowman's to Mr. Davy whilst he operated on the other eye.

Also to a youth, about 18, whilst he operated for congenital cataract in both eyes, by drilling.

Administered Chloroform to Mrs. De Pass, about 30 years, at 2B Upper Bedford Place, whilst Mr. Hilton operated by ligature on haemorrhoids. Dr. Odling was present. Vomiting during the operation.

**Wednesday 11 Feb.**

Administered Chloroform at 12 Upper Woburn Place to a gentleman whilst Mr. Salmon operated for fistula in ano. No sickness.

Administered Chloroform at Mr. Canton's to a lady whilst he extracted 5 or 6 teeth.

Administered Chloroform to Mrs. Bax, 2 Sussex Place, Hyde Park, whilst Mr. Bell extracted a tooth.

Administered Chloroform to Mrs. Haviland, 40 Gloucester Place, Hyde Park, whilst Mr. Caesar Hawkins removed a tumour of the breast. 17th. Going on well.

Administered Chloroform at Mr. Bigg's to Mr. Fitzwilliam, about 35, whilst he extracted a tooth. A good deal of rigidity.

Administered Amylene at 7 Hyde Park St. to Miss Grant, about 20, from Blackheath, whilst Mr. Bowman operated on both eyes for strabismus. A little sickness after I left.

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**Thursday 12 February, 1857**

Administered Amylene at 1 Upper Harley St. to a lady, about 50, whilst Mr. Bowman removed a large melanotic tumour from the left groin. She inhaled for half an hour, and used 2¼ ounces of amylen. Very quiet during the operation. No sickness except 12 hours after, but an opiate had been taken in the meantime.



**Friday 13 Feb.**

Administered Chloroform to Mrs. Lionel Cohen, 32 Oxford Square, in her confinement. It was the first labour, at the full period. The labour commenced about 11 the previous night. The inhalation was begun about 3 in the morning, the os uteri being nearly dilated. After a little time the os uteri was fully dilated, but the head made very slow progress through the pelvis although the pains were strong. Between 8 and 9 o'clock Dr. Ramsbotham was called in. The head had been, for some time, low in the pelvis but without any prospect of early delivery. The forceps were applied, and the child was delivered in a minute or two. The face was towards the pubes. The placenta followed in five minutes or less. The patient was quite insensible during the delivery with the forceps. Previously, she had been for the most part conscious, or only partially unconscious, during some of the pains. She called out a good deal. Three fluid ounces of chloroform were used. Dr. Van Oven attended.

Administered Amylene to Miss Lindo, 27 Finsbury Circus, whilst Mr. Bell extracted four teeth. The patient (Dr. Oldham's) is suffering from a large ovarian tumour, and is in a state of great debility. She is 45 or 50. She became insensible {762} without the least excitement, was perfectly quiet during the operation, and recovered perfectly without sickness or depression.

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Administered Amylene at 5 Boyle St. to boy, 4 years old, whilst Mr. Bowman removed the eyeball. No sickness, &c.

Administered Chloroform at 2 Cecil Street, Strand, to a youth of 19 whilst Mr. Hancock performed amputation of the thigh for disease of the knee. No sickness whilst I remained. Recovered March.

**Saturday 14 Feb.**

Administered Chloroform to a chlorotic-looking young woman whilst Mr. Thos. A. Rogers extracted 8 teeth.

Administered Amylene at Mr. Bowman's to a girl of Sir ==, aged 4 years, whilst he operated for strabismus in both eyes.

Administered sulphuric ether at King's College Hospital, on a sponge to an infant a few months old, whilst Mr. Fergusson operated for hare-lip. The child breathed it without coughing. It did not cry during the incisions in the lip. After the removal of a portion of intermaxillary bone there was bleeding which caused delay, and the ether was discontinued altogether. So, the child cried during the after part of the operation.

Administered Amylene to the man with the new nose, who had a further operation for the formation of the septum. Ether was, afterwards, given on a sponge to keep up the insensibility. He talked in a rambling manner, without complaining; in fact he was quieter during this than either of the preceding operations.

Administered Amylene to a man with stricture whilst Mr. Fergusson {763} operated by perineal section. The operation lasted 20 minutes or upwards, and he breathed nearly three ounces.

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*John Snow*

Administered Amylene (a drachm of chloroform was added to it in the inhaler for fear that there should not be enough) to a middle-aged woman whilst Mr. Bowman removed a pendulous, pyriform tumour from the thigh.

***Tuesday 17 Feb., 1857***

Administered Chloroform at 6 South Street, Grosvenor Square, to Mr. Martin, a young officer who had been wounded in the Crimea by a ball in the hip. Mr. Brodhurst examined the state of the hip, and found that there was some little motion.

***Thursday 19 Feb.***

Administered Chloroform at 6 Queen Street, May Fair, to Mrs. Forbes, an elderly, stout lady, the daughter of Sir Everard Home, whilst Mr. Fletcher extracted two teeth, and Mr. Caesar Hawkins removed an epulis together with a portion of the alveolar process. A little chloroform was given on a sponge during the operation, and the patient was very quiet. No sickness, &c.

***Friday 20 Feb.***

764

Administered Amylene at the Ophthalmic Hospital to a labourer, about 40, who had been out of work up to the Monday previous, whilst Mr. Bowman extracted a cataract. The patient was perfectly quiet. Not the {764} least excitement or rigidity. No sickness.

Also to an elderly man whilst Mr. Bowman removed the eyeball. Symptoms as in last case.

Administered Chloroform to Lady Magnay at Mr. W. F. Canton's, Hanover St., whilst he extracted a tooth. Some depression, and feeling of fatigue afterwards.

Administered Chloroform at 16 Hanover Square to the lady who inhaled it on Saturday last. On this occasion 12 teeth were extracted.

Also to a young married woman who is nursing, Mrs. Melville, a niece of the clergyman of that name, whilst Mr. Thos. Rogers extracted a tooth. Quick recovery. No sickness or depression.

Administered Chloroform in Harewood Square to a slender, young lady whilst Mr. White Cooper performed excision of the eyeball. No sickness, &c.

Administered Chloroform again to Mr. White whilst Mr. Duffin introduced a catheter. Less rigidity than on either of the former occasions.

***Saturday 21 Feb.***

Administered Amylene at King's College Hospital to a boy, about 12, whilst Mr. Fergusson operated for strabismus in the left eye. There was rigidity, the head being thrown back, before the operation was begun: it commenced after I told Mr. Fergusson that he might begin. Mr. F. had his hand over the boy's nose during the operation, and he partially recovered but was quickly made quiet again.

Also to a young man whilst he removed an exostosis from the humerus. It followed a fracture.

{765} Also to a boy, about 10 or 12, whilst Mr. Bowman operated for necrosis of the tibia. This boy had had his dinner, and he vomited on getting back to bed.

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**Monday 23 February, 1857**

Administered Amylene at St. James' Parochial Infirmary to a man, aged 69, whilst Mr. French removed some necrosed bone from the ankle. He inhaled for 15 minutes and used 3iiss of amylen. He was in the 2nd. degree of narcotism. He had taken his dinner just before the operation, but he had no sickness at the time or afterwards.

**Tuesday 24 Feb.**

Administered Chloroform at Mr. Saunders' to Mrs. Thos. Savory whilst he extracted a tooth. No sickness.

Administered Chloroform to Miss Tollett, a lady about 50, at 27 Green Street, Grosvenor Square, whilst Dr. Battershell Gill applied nitric acid to some granulations on the thumb following a whitlow.

**Wednesday 25 Feb.**

Administered Amylene at the Orthopaedic Hospital to a little boy, about 6, whilst Mr. Lonsdale divided some tendons near the foot.

Also to a boy, about four, whilst he performed a similar operation.

Also to a young woman whilst he performed a similar operation.

Also to a little girl, about 6, whilst he performed a similar operation.

Also to a boy of 8 or 10 whilst he performed a similar operation.

Some rigidity, with bending back of the head, in the first case. No signs of pain and no sickness in any.

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**Thursday 26 Feb.**

Administered Amylene to a child, 5<sup>1</sup>/<sub>4</sub> years old, whilst Mr. H. Chas. Johnson performed lithotomy, removing a mulberry calculus. The patient was red in the face, and strained during the operation, but showed no signs of pain.

Also to a woman whilst Mr. Cutler removed a large tumour of the breast. The operation was protracted, and attended with a good deal of loss of blood. There was no depression so long as the inhalation continued. The pulse remained good and the colour remained in the lips and the face, but after waking and being carried to bed, the pulse became very feeble and the face very pale. She improved after a little time.

**Friday 27 Feb.**

Administered Chloroform to a Mrs. Scott at 16 Hanover Square whilst Mr. T. A. Rogers extracted two stumps of a tooth. No sickness, &c.

**Saturday 28 Feb.**

Administered Chloroform at King's College Hospital to an infant, a few months old, whilst Mr. Fergusson performed a partial operation for hare-lip.

Administered Amylene to a middle-aged man whilst Mr. F. operated for stricture by perineal section. The operation was tedious, and he inhaled about three ounces. The usual tendency to waken suddenly during the operation, which was prevented by the frequent repetition of the inhalation. At the conclusion of the operation the breathing was stridulous for a minute or two, and the face became very livid. It quickly recovered its natural colour when the breathing improved, and in one minute more he was quite conscious.

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**Monday 2 March, 1857**

Administered Chloroform at 16 Hanover Sq. to Lady Charlotte Watson Taylor, sister of the Duchess of Wellington, whilst Mr. T. A. Rogers extracted three teeth. No sickness or depression.

Administered Amylene to Mr. Barxandister, a young man, 4 Stanhope Street, Hyde Park Gardens, whilst Mr. Bowman performed an operation on the eye to separate the lids from the globe, to which they had become partially adherent from the effects of a gun accident. No sickness, &c. Some tendency to rigidity now and then during the operation, which subsided almost immediately on the inhalation being left off. A tendency also to wake suddenly.

**Wednesday 4 March**

Administered Amylene at the Infirmary for Children, Waterloo Road, to a little girl, aged 9, whilst Mr. Canton extracted a tooth.

Also to a youth, about 18, whilst he extracted a tooth. This youth had some headache.

Administered Chloroform to Capt. Vivian, in Jermyn St., whilst Mr. H. C. Johnson opened an abscess of the great toe. The inhalation was only carried to the beginning of the third degree when he was commencing to be rigid. The leg was held firmly. There was no sign of pain, beyond a tendency to flinch. He woke the minute afterwards and was very cheerful and comfortable, having felt nothing of the operation but having had a dream which occupied an evening and part of the following day.

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Administered Chloroform to Mr. Poore, of the 8th. Hussars, at 16 South Audley St. whilst Mr. Brodhurst attempted to break up an {768} ankylosis of the hip caused by rheumatic disease.

Administered Amylene at the Orthopaedic Hospital to a girl, 10 years old, whilst Mr. Lonsdale divided some tendons near the foot.

### *Case Books*

Also to a boy of 15 whilst he performed a similar operation.

Also to a boy, about 14, whilst Mr. Wm. Adams divided some tendons near the foot.

The effects of the amylene were only carried to the 2nd. degree, and the recovery was very prompt in each case.

Administered Amylene to a Mr. Holland, about 35, lodging at 89 Wimpole St. whilst Mr. Bowman scraped off a deposit of oxide, or some salt of lead, from the cornea. No sickness, or other complication.

#### ***Thursday 5 March***

Administered Chloroform to Mrs. Jackson, about 50, a patient of Mr. Propert, at 4 Blandford Place, Regent's Park, whilst Mr. Hancock operated for haemorrhoids by ligature.

#### ***Saturday 7 March***

Administered Chloroform at Mr. Saunders' to a middle-aged, feeble man with distorted spine whilst he extracted three teeth.

Administered Amylene at King's College Hospital to a middle-aged woman whilst Mr. Bowman removed a scirrhus tumour of the breast.

Also to a girl, of 12 or so, whilst Mr. Fergusson divided the sterno-mastoid muscle.

Also to a girl, about 18, whilst he removed a portion of {769} necrosed bone from the scapula.

769

Also to a woman, of 30 or so, whilst he removed two small tumours from the breast. The effect of the amylene was partially gone off when the second operation was commenced and the patient cried out, but she said afterwards that she had not felt anything.

Administered Chloroform at 32 Old Burlington Street to a youth, about 19, whilst Mr. S. Cartwright extracted two teeth. No sickness, &c.

Administered Chloroform again to Mr. Poore, South Audley St., whilst Mr. Brodhurst made some additional efforts to move the hip. The patient was kept very insensible for some 10 – 15 minutes, and afterwards his pulse, before he woke, was only 40 in the minute for some time.

#### ***Monday 9 March, 1857***

Administered Chloroform at Mr. Saunders' to a girl, about 19, whilst he extracted a large molar tooth.

Administered Chloroform again to Capt. Vivian whilst Mr. Johnson lanced the foot again. Symptoms exactly as before.

Administered Chloroform at 16 Hanover Square to Mr. Smith, a clergyman from Penge or the neighbourhood, just recovered from typhoid fever, whilst Mr. T. A. Rogers extracted 7 or 8 teeth & stumps. No sickness.

**Tuesday 10 March**

Administered Chloroform to a very fat, elderly man at 38 City Road whilst Mr. Salmon operated for fistula in ano.

- 770 {770} Administered Chloroform at South Street, Finsbury Pavement, whilst Mr. Coulson removed an encysted tumour situated at the side of the neck. Sickness.

**Wednesday 11 March, 1857**

Administered Chloroform at the Samaritan Hospital for three quarters of an hour to the patient who inhaled it before. Mr. Spencer Wells performed an additional operation for the vesico-vaginal fistula. No sickness.

Administered Amylene to a girl of 13 at Mr. F. W. Rogers' whilst he extracted three molar teeth. She had inhaled gently for about a minute when she started up in violent excitement calling for her mother. The excitement subsided in half a minute, and she readily inhaled again. In about two minutes, when she seemed nearly ready for the operation, opisthotonos came on and prevented it. The vapour was given very gently for half a minute or so when the rigidity somewhat subsided, and the tooth was extracted. As she seemed about to awake she inhaled again for a short time, a little chloroform having been added to what remained of the amylene. The other teeth were extracted, and she awoke readily and comfortably.

Administered Amylene at Mr. Bowman's to a boy, 6 years old, a patient of Mr. Parrott, of Clapham, whilst Mr. B. extracted a portion of percussion cap which had been embedded in the eye for 2<sup>1</sup>/<sub>4</sub> years.

- 771 {771} Administered Amylene to Mr. Newham, a very tall young man, at 13 Princes' Terrace whilst Mr. Bowman removed a portion of skin from each of the upper eyelids and united the edges by suture. He inhaled for half an hour, and used 2<sup>3</sup>/<sub>4</sub> ounces. No sickness, &c.

**Thursday 12 March, 1857**

Administered Chloroform at 16 Hanover Square to a young woman from Reading whilst Mr. T. A. Rogers extracted a wisdom tooth. Vomiting, and subsequent feeling of sickness.

**Friday 13 March**

Administered Chloroform at 16 Hanover Square to a lady whilst Mr. T. A. Rogers extracted 2 teeth. No sickness.

Administered Chloroform at 42 Davies Street to a medical man in the Army, named Waring, whilst Mr. Fergusson operated for fistula in ano.

Administered Chloroform for 50 minutes at 21 Dalby Terrace, City Road, to a gentleman about 30, from Australia, whilst Mr. Coulson tied the spermatic veins. There was a great tendency to flinch whenever the breathing was not embarrassed or stertorous.

Administered Chloroform to a gentleman lodging at 5 George Street, Hanover Sq., whilst Mr. Fergusson operated for prolapsus ani & haemorrhoids.

**Saturday 14 March**

Administered Amylene at King's College Hospital to a middle-aged man whilst Mr. Fergusson removed some necrosed bone from the {772} lower jaw, after enlarging a small opening in the cheek.

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Administered Sulphuric Ether to an infant previous to Mr. Fergusson operating for hare-lip.

Administered Amylene to a youth of 17 whilst Mr. Fergusson performed lithotomy, removing an oblong calculus of moderate size. The operation was performed whilst he was in the 2nd. degree of narcotism, looking about him. The edge of the eyelids was, however, insensible.

Administered Amylene to a young woman, aged 20, whilst Mr. Fergusson performed amputation below the knee on account of paralysis of the muscles of the leg and foot. She was hysterical after the operation.

Administered Amylene to a child, about 4 years old, whilst Mr. Bowman removed the anterior part of the eyeball for staphyloma.

**Monday 16 March**

Administered Chloroform at Mr. A. Rogers' to an unmarried lady of 25 or 30 whilst he extracted 9 teeth and stumps. The inhalation was not repeated. A little hysterical excitement afterwards.

**Tuesday 17 March**

Administered Chloroform at 9 Manchester Street to Miss Barlow, about 30, whilst Mr. Salmon operated by ligature for haemorrhoids.

**Wednesday 18 March**

Administered Chloroform at 9 Manchester Street to a gentleman, named Kempson, in his 50th. year, whilst Mr. Salmon operated for haemorrhoids. The patient was thin and pale, and had a soft weak pulse. He was rather slow in getting under the influence of the chloroform owing, possibly, to a {773} new face-piece being used which did not mould itself very well to the features. He was four or five minutes before he became unconscious, and it was 2 or 3 minutes more before the operation was commenced. There was very slight rigidity for a short time soon after he became unconscious. The edge of the eyelids was not rendered quite insensible yet he did not flinch or cry during the operation. The breathing was not stertorous or embarrassed at any time. The operation only lasted three or four minutes. He began to show signs of returning consciousness by moving his hand and arms almost as soon as the operation was concluded. On feeling his pulse, I could only feel one or two beats, when there appeared to be a considerable intermission. For some little time I could not distinctly feel any pulse, but he moved his arms and his muscles were tense. He was pale, but he raised his head from the pillow and muttered. In a minute or two he opened his eyes and attempted to reply to Mr. Salmon, but what he said was not, at first,

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intelligible. In a minute or two – some three or four minutes after the operation – he became quite conscious, but yawned very much, and the pulse was extremely small and soft. He drank some brandy and water, after which the colour of his lips improved, and he talked cheerfully, although the pulse was still feeble when I came away 10 or 15 minutes after the operation. Was very faint for 2 or 3 hours.

Administered Chloroform to Mrs. Lankester whilst Mr. Truman extracted a wisdom tooth. A little vomiting before consciousness returned.

774 {774} Administered Amylene at the Orthopaedic Hospital to a boy, about 5 or 6 years old, whilst Mr. Adams opened a large abscess at the knee by an oblique, subcutaneous incision.

Also to a girl of 17 whilst Mr. Lonsdale made an examination of the muscles of the right scapula which pulled up that bone in an extraordinary manner. When the patient was unconscious the shoulder became of the same height as the other, although the muscular system, generally, was not relaxed. A little hysteria afterwards.

Also to a youth of 17 whilst Mr. Lonsdale divided some tendons near the foot. No sickness in any.

***Friday 20 March, 1857***

Administered a very little chloroform to an infant of Mrs. M. B. Field, aged 13 months, affected with hydrocephalus (at 13 Victoria Street). This infant had been ailing for 3 or 4 weeks, but 2 days ago was thought by Mr. Teevan to be convalescent, but yesterday it was taken much worse. It has suffered from convulsions all night. The pulse was 180 and the breathing 60 and sometimes irregular. It had not had a convulsion for a quarter of an hour before I arrived. There was, however, a constant twitching motion of the fingers, and a few minutes afterwards a fit was coming on and I administered a little chloroform, when it soon subsided and the eyes were closed and the child seemed to sleep, the fingers being quiet. The pupils also became somewhat contracted after the chloroform: they had previously been of medium size and sluggish. In the course of  $\frac{3}{4}$  of an hour I gave the chloroform twice more, with the same effect, when a fit was commencing. It died an hour and a half after I left.

775 {775} Administered Chloroform to Mrs. Davies, a middle-aged lady at 13 Lansdowne Road, Notting Hill, whilst Dr. Christian removed a small encysted tumour of the breast in the cicatrix of a cancerous tumour which had been removed a year or two ago. Mr. Hodgson was present. No sickness.

Administered Chloroform at 5 Sackville Street to a young, married lady whilst Mr. F. W. Rogers extracted a tooth. Feeling of sickness.



**Saturday 21 March**

Administered Chloroform at Mr. I. B. Brown's to a lady, about 30, whilst he operated for rupture of the perineum. The chloroform was administered for 25 minutes. After the operation there was a feeble pulse, with pallor, and she complained of faintness on recovering her consciousness. She is also hysterical. Some brandy was given.

Administered Amylene again at King's College Hospital to the man with the new nose whilst Mr. Fergusson performed an additional operation. The pain was prevented for some time after the commencement of the operation by giving the amylene on a sponge, but the sponge got so cold as to make my fingers ache and did not give off sufficient vapour, so a little chloroform was put on the sponge during the last 2 or 3 minutes of the operation.

Administered Amylene also to a woman whilst he operated for rupture of the perineum. The woman talked during the operation but had no pain.

Also to a middle-aged woman whilst he removed a large tumour {776} from the inside of the thigh. 776

Also to a child, between 3 and 4 years old, whilst he divided two webbed fingers.

Administered Amylene to a lady at Old Brompton whilst Mr. Fergusson removed a tumour of the breast. Semi-conscious during the operation.

**Monday 23 March**

Administered Amylene at 12 Lower Berkeley St. to a daughter of Dr. Laurie whilst Mr. Fergusson removed a small encysted tumour from the forehead. Semi-conscious during the operation.

**Tuesday 24 March**

Administered Chloroform at Mr. Winterbottom's, 16 Sloane Street, to a daughter of Mr. Westcott, 26 Cavendish Sq., aged 12, whilst he extracted the first 4 molar teeth. No sickness, &c.

**Wednesday 25 March**

Administered Chloroform at 5 Sackville Street to a girl, aged 12, whilst Mr. F. W. Rogers filed some teeth.

Administered Amylene at 13 Maddox St., Regent St., to Mrs. Gardener, about 45, whilst Mr. Fergusson removed an encysted tumour of the breast. Narcotism not carried further than the 2nd. degree. No excitement, &c.

Administered Amylene at 11 Maddox Street, Bond St., to a stout clergyman, about 45, whilst Mr. Fergusson performed lithotrity. He complained a little at one part of the operation, owing probably to the inhaler not being replenished quickly enough. But he did not {777} remember the operation. He had arcus senilis, and he was excessively afraid before the operation. He had a good pulse and colour throughout the operation and afterwards. 777

*John Snow*

Administered Amylene at the Orthopaedic Hospital to a young woman, aged 18, whilst Mr. Lonsdale divided the extensor muscles of the toes.

Also to a boy, four years old, whilst Mr. Adams divided some tendons near the foot.

Also to a youth of 19 whilst Mr. Adams divided some tendons near the foot.

***Thursday 26 March, 1857***

Administered Amylene at Mr. Bowman's to a girl, seven years old, whilst he operated for strabismus on both eyes. A little rigidity, in the form of opisthotonos, before the operation. The inhalation was discontinued for a few seconds till this passed off, and then resumed gently for a short time. The operation was performed in a state of quietude, and the child slept for twelve minutes afterwards.

Also to the sister of the above whilst Mr. Bowman divided the flexor tendon of the thumb. The inhalation was carried but a very little way and she kept her eyes open during the operation, without crying or flinching.

***Friday 27 March***

778 Administered Chloroform at 129 Mount St. to an infant of the Rev<sup>d</sup>. {778} Mr. Cambridge, aged eleven weeks, whilst Mr. Stanley operated for hare-lip. The operation lasted half an hour. No sickness.

Administered Amylene at 18 Kingsgate Street to a robust, working Irishwoman in her third labour. She was attended by Mr. Meadows of King's College Hospital. On the two former occasions she was in labour two days. Today labour pains commenced at 12 at noon, and I began to give amylen at three – the os uteri being nearly dilated. The pains were very strong, and came on every three minutes. The patient continued to strain and bear down very much during the pains. She became quite conscious and, apparently, free from the effect of amylen between every pain, and she seemed to suffer a little at the beginning of each pain. There was no mental excitement. The os uteri was soon fully dilated and the membranes were ruptured, but after a time the head seemed to become fixed in the outlet of the pelvis, and Mr. Meadows determined on using the short forceps. They were applied at ten minutes before five. At this time I had used three ounces of amylen, and I had no more by me. So, I administered a little chloroform before and during the application of the forceps. The patient was excited by the chloroform before becoming insensible. The delivery of the child was effected at 5 minutes past five, and I came away five minutes afterwards as the patient was partially recovering her consciousness.

**Saturday 28 March**

Administered Amylene at Chandos House to Countess Apponyi, the wife of the Austrian Minister, whilst Mr. Bowman operated for strabismus {779} on both eyes. No excitement, rigidity, or any other complication: very quiet during operation. Recovered sensibility afterwards and was cheerful and well.

779

Administered Amylene at King's College Hospital to a woman whilst Mr. Fergusson operated for fistula in ano and stricture of the rectum. I used, in this case, the amylenes sent by Dr. Debout – 25 Grammes out of the 30 sent were used. Before the end of the inhalation I inadvertently allowed the inhaler to become empty, and the patient became unruly and called out that she was not a catholic. She was soon made quiet again. She did not remember anything of the operation, but she said she had a dream about being taken to Rome in a boat.

Also to another woman whilst Mr. Fergusson operated for rupture of the perineum.

Also to a girl, about 8 years old, whilst he removed a sebaceous cyst from the scalp. Brief opisthotonos in this case.

Also to a middle-aged man whilst Mr. Bowman operated for necrosis of the ribs.

**Monday 30 March, 1857**

Administered Chloroform at 5 Manchester St. to a lady, about 50, whilst Mr. Spencer Wells performed lithotripsy. It had been performed before without chloroform. He thought the chloroform would enable the bladder to hold the water which was injected, but he was mistaken. Vomiting.

Administered Amylene to a lady, about 40, whilst Mr. Crampton extracted two teeth. A little mental excitement, and mouth rather firmly clenched. No sickness.

{780} Administered Chloroform again to Mr. Martin, now lodging at 25 Holles St., whilst Mr. Brodhurst made a forcible rupture of a bony ankylosis of the hip. No sickness. A deep dose was administered.

780

Administered Chloroform at 1 Amersham Terrace, New Cross Road to Mrs. Stevens, a widow about 50, whilst Mr. Hilton operated for haemorrhoids & prolapsus ani, using ligatures to the mucous membrane and the knife to the skin.

**Wednesday 1 April**

Administered Amylene at the Orthopaedic Hospital to a little boy, 4 years old, whilst Mr. Lonsdale operated for web-fingers.

Also to a little girl, about 6 – 8, whilst he performed a similar operation.

Also to a youth of 19 who inhaled it last week. Mr. Adams operated today on some tendons of the other foot.

*John Snow*

Also to the girl of 17, with elevation of the shoulder, who inhaled it a fortnight ago. The shoulder stayed down for 3 days after the last inhalation, so the amylene was now repeated as a remedial measure. Hardly any hysteria this time.

Also to a girl of 14 whilst Mr. Lonsdale made forcible rupture of a bony ankylosis of the elbow.

The first child only inhaled a minute and a half before the operation began. He was crying when he commenced to inhale, and breathed rather quickly. The pupil became widely dilated for a few seconds, and there was also a slight opisthotonos. Neither of these symptoms occurred to signify in any of the other cases.

781 {781}

***Thursday 2 April, 1857***

Administered Amylene to Miss Ransome, about 17, at 3 Priory Grove, Brompton, whilst Mr. Bowman operated for strabismus on the right eye. No complications.

Administered Amylene at 40 Russell Square to a boy of Mr. Russell, aged 9, whilst Mr. Fergusson removed an exostosis from the extremity of the great toe.

***Saturday 4 April***

Administered Amylene at King's College Hospital to a little girl, about 8 years old, while Mr. Fergusson removed a small encysted tumour from the neck in front of the thyroid cartilage. Op'n. in 2nd. degree.

Also to the man with the new nose whilst Mr. F. performed an additional operation at the part adjoining the lip. The patient, in his unconscious state, kept endeavouring to breathe by the nose whilst it was obstructed by the operative proceedings. In consequence of this he was rather blue at the latter part of the proceeding.

Also to a boy of 6 or 7 with hip disease whilst Mr. Bowman removed the head of the femur.

782

Administered Amylene again to the Rev<sup>d</sup>. Mr. George, at 11 Maddox Street, Bond Street, whilst Mr. Fergusson repeated the lithotripsy. The patient was extremely frightened, and was breathing as deeply as he possibly could, and with extreme rapidity and violence. On this account he, no doubt, consumed the amylene very fast, and I was afraid to close the valve completely. I did not succeed in making him completely insensible. The operation was, indeed, commenced after a few minutes and when between {782} one and two ounces were inhaled. He moved about a good deal, however, and cried out, so – in a few minutes – I put some chloroform in the inhaler. The breathing was still of the same character, but I got him very quiet in 2 or 3 minutes, and he remained so during the remainder of the operation by continuing the inhalation.

*Tuesday 7 April*

Administered Amylene at 4 Maddox Street, Regent St., to a young man from Liverpool named Wellington, aged 33 years of age, who had been in Australia. He was a healthy-looking, well made man. He was operated on, for fistula in ano, by Mr. Salmon in 1851 and – the complaint having returned – Mr. Fergusson operated again. He lay down on his right side in bed. About six fluid drachms of amylen were put in the inhaler. He breathed steadily and gently. His pulse was pretty good, being a little accelerated. The valve was gradually advanced over the opening till about  $\frac{3}{4}$  covered it, and the patient appeared to become quietly unconscious in about 2 minutes. He breathed quickly for a few inspirations just as he appeared to be becoming unconscious. Just after this Mr. Fergusson came and felt the patient's pulse, and he says it was very good. I felt it also. I looked at my watch at this time, and it was  $2\frac{1}{2}$  minutes, or  $2\frac{3}{4}$ , from the beginning of the inhalation. Mr. Fergusson commenced to use the probe and, finding the patient did not flinch, he began to use the bistoury. I held the patient's thigh with my right hand, and keeping the face-piece on with my left. My attention had been turned from the patient's face to the operation for only a few seconds when, on looking round, I observed that the valve of the face-piece had moved so as to cover the aperture. I discontinued the inhalation as the patient showed no sign {783} of pain, expecting to have to resume it which was, however, not the case. I began to feel for the pulse, which was good not half a minute before, but I did not perceive it in the left wrist, and only a slight flutter in the right one. His breathing was, however, very good – indeed quite natural, and he did not seem even to be very insensible for there was some motion, both of his features and limbs, as if he were recovering. After two or three minutes, however, he seemed to be getting more insensible, and the breathing was getting slower and deeper. I told Mr. Fergusson he was not going on well. This was about five minutes after his pulse first failed. Mr. Fergusson was washing his hands at the moment, and both he and Mr. Price, who was still standing by the patient, were surprised to hear that anything was the matter. They dashed cold water on his face, which did not seem to have any effect. He was now livid, and the breathing of a very gasping character. The breathing left off, except deep, distant, gasping inspirations, and we performed artificial respiration, first by rolling in the method recommended by Dr. Marshall Hall then by pressing on the chest, the face being turned on one side. In both these ways the air could be heard going in and out of the lungs freely. Mr. Price held the mouth open, and took care that the tongue did not fall back. Occasionally, gasping inspirations occurred till more than ten minutes after the first failure of the heart's action. Even after this, on one occasion, I could hear a faint and feeble, and rather frequent, action of the heart on placing my ear to the chest, and at the same moment Mr. Fergusson perceived a feeble pulsation at the right wrist. The artificial respiration was continued for an hour and a half without effect. I touched the edge of the eyelids just before {784} speaking to Mr. Fergusson, and there was no remaining sensibility.

783

784

The inhalation commenced at 4.46; unconscious at 4.48; operation com. about 4.49. Inhalation left off and pulse stopped immediately afterwards. Called Mr. Fergusson's attention about 4.54. Still drawing deep inspirations at 5.0, and felt pulsations after this.

Examination 48 hours after death. Body rigid. A good amount of fat under integuments. Lungs large and healthy, a little congestion of posterior part of left one, otherwise not

*John Snow*

congested. A little clear fluid in pericardium. A good deal of fat on surface of the heart: right ventricle large and flabby. A few ounces of liquid blood escaped when large vessels divided. Right ventricle dilated. Left much contracted, so as to almost obliterate the cavity. Liver dark, soft and friable. Stomach contained only mucus. He had drunk a pint of bottled ale a quarter of an hour before operation, but had not recently taken food. He had lived rather freely, and had suffered from affections of the liver.

***Wednesday 8 April, 1857***

Administered Chloroform at Mr. Saunders' to a married lady, about 35, whilst he extracted about 8 teeth from the upper jaw. No sickness.

Administered Chloroform to a child of Mrs Turrett, lodging at 4 St. James' Place, whilst Mr. Fergusson sounded the bladder. There was no stone.

***Saturday 11 April***

785 Administered Chloroform in King's College Hospital to an infant, {785} about eight weeks old, previous to Mr. Fergusson operating for hare-lip.

Also to an elderly man whilst he performed lithotomy, removing two calculi. He cut off, intentionally, a large portion of the enlarged middle lobe of the prostate. Died in about a fortnight.

Also to a middle-aged man whilst Mr. Bowman tied the femoral artery for popliteal aneurism.

Also to a man whilst Mr. Fergusson removed a tumour from the mouth, taking away part of the alveolar process of the upper jaw. No sickness in any whilst I stayed.

Administered Chloroform to a lady lodging at 13 Princes St., Cavendish Square, whilst Mr. Fergusson removed a tumour of the thigh. It had been twice removed before and had returned. No sickness.

***Sunday 12 April, 1857***

Administered Chloroform to Mr. Balls, about 35, at 4 Junction Villas, Junction Road, Upper Holloway, whilst Mr. Coulson operated for fistula in ano. No sickness.

***Monday 13 April***

Administered Chloroform to a gentleman, about 30, lodging at 19 Maddox St., whilst Mr. Fergusson removed a very large fibrous tumour situated beneath the pectoral muscles, and extending into the axilla. No sickness whilst I remained.

Administered Chloroform to Mr. Field, 29 Belgrave Road, whilst Mr. Coulson operated for fistula in ano. No sickness.

**Tuesday 14 April**

Administered Chloroform to Her Majesty the Queen in her ninth {786} confinement. The labour occurred about a fortnight later than was expected. It commenced about 2 A.M. of this day, when the medical men were sent for. The labour was lingering, and a little after 10 Dr. Locock administered half a drachm of powdered ergot, which produced some effect in increasing the pains. At 11 o'clock I began to administer chloroform. Prince Albert had previously administered a very little chloroform on a handkerchief, about 9 and 10 o'clock. I poured about 10 minims of chloroform on a handkerchief, folded in a conical shape, for each pain. Her Majesty expressed great relief from the vapour. Another dose of ergot was given about twelve o'clock and the pains increased somewhat about twenty minutes afterwards. The Queen, at this time, kept asking for more chloroform, and complaining that it did not remove the pain. She slept, however, sometimes between the pains. Before one o'clock the head was resting on the perineum and Dr. Locock which the patient to make a bearing down effort,\* as he said that this would effect the birth. The Queen, however, when not unconscious of what was said, complained that she could not make an effort. The chloroform was left off for 3 or 4 pains and the royal patient made an effort which expelled the head, a little chloroform being given just as the head passed. There was an interval of several minutes before the child was entirely born: it, however, cried in the meantime. The placenta was expelled about ten minutes afterwards. The Queen's recovery was very favourable.

786

Administered Chloroform at Mr. Woodhouse's to Lady Ducie whilst he extracted 3 or 4 teeth and cut off the crowns of two or three others and destroyed the nerves. Lady Ducie was about a month out of her confinement.

{787} I administered sulphuric ether to Mr. Attree, Surgeon, aged 44, on the mornings of April 9, 10, 11, 12 and 13. Four or five drachms were inhaled slowly on each occasion. The inhalation lasted about a quarter of an hour, and it caused a sleep which lasted 15 or 20 minutes. He has been troubled for six years with a spasmodic affection of the muscles of the right side of the neck which draws the head down to the shoulder. The spasm comes on by painful jerks which are accompanied by an inspiration and a slight twitch at the right corner of the mouth. The patient thought himself a little better and easier each day after the inhalation.

787

On the 16, 17, 18, 20 and 22 chloroform was inhaled gently to the extent of 60 or 80 minims each time, with a similar result. On each occasion, both with the ether and chloroform, I pressed the head over towards the other side as much as I could with my hand whilst the patient was asleep.

*\*[As before [448], Snow took especial care when writing here of his part in the Queen's confinement. However he, again, made a slip of the pen. Almost certainly he meant to write "Dr. Locock wished the patient to make a bearing down effort".]*

Tuesday 14 April  
 Administered Chloroform to her Majesty the Queen in her ninth confinement. The labour occurred about a fortnight later than was expected. It commenced about 2 A.M. of this day when the medical men were sent for. The labour was lingering and between a little after 10 Dr. Leacock administered half a drachm of powdered ergot, which produced some effect in increasing the pains. At 11 o'clock I began to administer chloroform. Princess Alfred had previously administered a very little chloroform in a handkerchief, about 9 or 10 o'clock. I placed <sup>poned</sup> about 10 minims of chloroform in a handkerchief folded in a conical shape for each pain. Her Majesty expressed great relief from the ergot. Another dose of ergot was given about twelve o'clock and the pains increased somewhat about twenty minutes afterwards. The Queen at this time kept asking for more chloroform, and complaining that it did not relieve the pain. She slept, however, sometimes between the pains. Before one o'clock the head was resting on the perineum and Dr. Leacock wished the patient to make a bearing down effort, as he said that this would effect the birth. The Queen, however, when not unconscious of what was said, complained that she could not make an effort. The chloroform was left off for 3 or 4 pains as the royal patient made an effort which expelled the head, a little chloroform being given just in the handkerchief. There was an interval of several minutes before the child was entirely born; it however cried in the meantime. The placenta was expelled about ten minutes afterwards. The Queen's recovery was very prompt.

Figure 6: Tuesday 14 April, 1857, Snow records the administration of chloroform to Queen Victoria during the birth of Princess Beatrice.



**Wednesday 15 April, 1857**

Administered Chloroform at 42 Clarges St. to an infant (a few weeks old) of Mr. Bulley, President of Magdalen College, whilst Mr. Fergusson operated for hare-lip. No sickness.

Administered Chloroform again to the child of Mrs. Turrett. Mr. Fergusson performed circumcision. No sickness whilst I remained.

Administered Chloroform again to the Rev<sup>d</sup>. Mr. Granger whilst Mr. Fergusson repeated the lithotrity. No sickness.

**Thursday 16 April**

Administered Chloroform at Mr. Saunders' to the lady who inhaled it {788} on the 8th. He extracted 9 or 10 more teeth. No sickness. 788

Administered Chloroform at Mr. Rew's, 282 Regent St., to his aunt whilst Mr. White Cooper performed an operation for artificial pupil. No sickness.

Administered Chloroform at 3 Bolton St. to Mr. Howe, about 40, from the country, whilst Mr. Bowman performed excision of the eyeball for a melanotic growth in the choroid. No sickness.

**Saturday 18 April**

Administered Chloroform in King's College Hospital to a girl, about 12, whilst Mr. Fergusson performed a plastic operation in part of the throat to remove the cicatrix caused by a burn. No sickness in the theatre.

Also to a boy, 7 years old, whilst Mr. Bowman performed lithotomy, removing a calculus about as big as a hazel nut, the symptoms of which have existed for 3 years. No sickness in the theatre.

**Monday 20 April**

Administered Chloroform to Mrs. Duncan, about 35 years, at 11 Holborn Bars, whilst Mr. Salmon operated for fistula in ano. No sickness.

Administered Chloroform to a grown up lady, the daughter of Sir George Cornwall Lewis whilst Mr. W. F. Rogers extracted one or two teeth. No sickness.

Administered Chloroform to a boy of 14, the son of Mr. & Lady G. Eliz. Romilly, whilst Mr. F. W. Rogers extracted 4 molar teeth. Some vomiting.

Administered Chloroform at Mr. West's to Mrs. John Williams whilst he extracted 2 or 3 teeth. No sickness.

Also to a son of Mr. West, aged 16, whilst he extracted a molar tooth. No sickness.

{789} Administered Chloroform to Miss Clinch, aet. 24, at 20 Buccleugh Terrace, Upper Clapton, whilst Mr. Fergusson removed some large portions of the lower jaw in a state of necrosis. They were removed from the interior of the mouth. 789

*John Snow*

Administered Chloroform to Mrs. Grantham, aet. about 50, from Liverpool, staying in Camden Square, whilst Mr. Bowman removed a small epithelial cancer situated just beneath the lower eyelid. No sickness.

***Tuesday 21 April, 1857***

Administered Chloroform to a married lady, a patient of Dr. Protheroe Smith, at 32A Mount St. whilst Mr. Fergusson operated for fistula in ano. No sickness.

Administered Chloroform at Mr. Kempton's, Leicester Square, to a gentleman whilst he extracted a tooth. The operation was a long one. No sickness.

Administered Chloroform at 5 Sackville Street to another son of Mr. Romilly, aged about 12, whilst Mr. F. W. Rogers extracted three molar teeth. No sickness.

Administered Chloroform at Mr. West's to a Mr. Berkeley, a young man, whilst he extracted a molar tooth. A long operation during which the chloroform was repeated. No sickness.

***Wednesday 22 April***

Administered Chloroform at Mr. Saunders' to a spinster lady, about 20, a patient of Mr. Morgan, whilst Mr. S. extracted 5 teeth. No sickness.

Also to a gentleman whilst he extracted 2 or 3 teeth. No sickness.

Also to Lady Emily Seymour whilst he extracted 3 or 4 teeth. No sickness.

790 {790} Administered Chloroform at Mr. Fergusson's to an infant, a few weeks old, whilst he divided some tendons for club foot.

Administered Chloroform at King's College Hospital to a woman, about 30, whilst Mr. Partridge performed amputation below the knee. 25th. Sickness for a day and night, but going on well at present.

Also to a boy, about 13, whilst Mr. Fergusson endeavoured to reduce a dislocation of the elbow of 5 weeks standing. He was not successful. No sickness in the theatre.

***Thursday 23 April***

Administered Chloroform at 5 Sackville Street to a girl of 12 years, daughter of Mr. Beach, of Williamstrip, Gloucestershire, whilst Mr. F. W. Rogers extracted a tooth. No sickness.

Administered Chloroform at Mr. Canton's to a daughter of Mrs. Thorn, aged about 20, whilst he extracted 2 or 3 teeth. No sickness.

Administered Chloroform again to Mr. Sanders, of Sussex Square, whilst Mr. Fergusson operated for fistula in ano. Sir B. Brodie and Dr. Todd were present. No sickness.

Administered Chloroform at Mr. Woodhouse's to Miss Westwood, about 20, whilst he extracted a tooth. Vomiting.

**Friday 24 April**

Administered Chloroform at an hotel, 47 Dover St., to a young man, Mr. Ogilvy, whilst Mr. Partridge removed, with the knife and scissors, a number of venereal warts from the prepuce and glans penis. A little sickness.

{791} Administered Chloroform to an infant, 9 weeks old, of a Mr. Power, lodging at 8 Maddox St., whilst Mr. Fergusson divided the tendo Achillis of both feet. No sickness whilst I remained.

791

Administered Chloroform to a gentleman, lodging at 54 Welbeck Street, whilst Mr. Fergusson operated for necrosis of the right tibia. No sickness.

Administered Chloroform to a young lady, about 20, whilst Mr. T. A. Rogers extracted a molar tooth. No sickness.

**Saturday 25 April, 1857**

Administered Chloroform at Mr. Fergusson's to an elderly gentleman whilst he removed a small cancer of the lower lip. No sickness.

Administered Chloroform at King's College Hospital to a middle-aged woman whilst Mr. Fergusson operated on the vagina for prolapsus uteri. No sickness in the theatre.

Administered Amylene to a young woman whilst Mr. Fergusson removed an enchondroma from the lower part of the femur near the knee joint. She inhaled for four minutes before the operation, laughed both before and during the operation – otherwise there was no excitement. There was no rigidity or struggling. She awoke immediately the operation was over, and said she was not insensible, and could not have the operation performed. No sickness or other sequelae.

Administered Chloroform to a middle-aged man whilst Mr. {792} Fergusson removed a diseased testicle. No sickness in the theatre.

792

Administered Amylene to a girl of 18 or so whilst Mr. Bowman removed an encysted tumour situated at the anterior part of the temple, just above the outer corner of the orbit. She inhaled for three minutes, and became quietly insensible. The operation was tedious, owing to the thinness of the walls of the cyst and its close adhesion to the pericranium. It lasted about ten minutes. There was no sign of pain, and no sickness afterwards. This patient slept till she reached her bed.

Administered Chloroform to a young woman whilst Mr. Partridge removed an encysted tumour situated between the shoulders. No sickness in the theatre.

Also to a man whilst he operated for fistula in ano.

Also to a man whilst he operated for haemorrhoids, by ligature. No sickness in the theatre in either of these cases.

***Monday 27 April***

Administered Chloroform to a middle-aged lady at 9 Manchester Street whilst Mr. Salmon operated for haemorrhoids. There was a blowing sound with the second sound of the heart.

***Tuesday 28 April***

793

Administered Amylene at 7 Brownlow St., Drury Lane, to a woman in her 6th. labour attended by Mr. Ponsonby R. Adair. She had been in labour since 3 P.M. the previous day. The os uteri was fully dilated, and Amylene was commenced at 5.25 A.M. and continued {793} till 5.50, when the child was born. The placenta was expelled in a few minutes with very little bleeding. The amylenes were commenced at the beginning of each pain, which it soon relieved – according to appearance, and also to the patient's account, although she did not become unconscious. The pains came on every 2 minutes or so, and kept increasing in force till the birth. About 3vi of Amylene were used.

***Wednesday 29 April, 1857***

Administered Chloroform to a boy, aged 11, of Mr. Moseley – a clergyman staying, whilst in town, at 32 Cumberland Terrace, Regent's Park – whilst Mr. Bowman operated for squint. The right eye was operated on first, Mr. Bowman supposing that that would probably be sufficient. He vomited some orange as he was recovering from the chloroform. About ten minutes after the first operation Mr. Bowman determined to operate on the other eye and the chloroform was administered again. The patient was only just insensible as the operation was performed, and he flinched a little just as it was concluded. Immediately afterwards the pupils of the eyes dilated to the utmost, having hardly any iris visible, and the pulse at the wrist became very small and intermittent. In a minute or two he vomited a great deal of orange, and the state of the pupils and pulse immediately improved. In ten minutes or so he was pretty well.

***Thursday 30 April***

Administered Chloroform at Mr. Price's to a boy, about 3 years, whilst he performed circumcision. No sickness.

794

Administered Chloroform at King's College Hospital to a middle-aged man, a patient of Dr. Budd, much reduced in strength whilst {794} Mr. Partridge performed Amussat's operation for artificial anus. The patient died next day. No vomiting.

Administered Chloroform at Clapham Road to an elderly, and very stout lady, a patient of Mr. Young of Kennington, whilst Mr. Fergusson removed a scirrhus tumour of the breast. Vomiting.

***Friday 1 May***

Administered Chloroform to Mr. Maudsley, Hanover Sq., whilst Mr. Paget divided a carbuncle. Sir B. Brodie, Dr. Latham and Mr. Stanley were present. No sickness.

**Saturday 2 May**

Administered Chloroform at 16 Hanover Square to Mr. Batten (to whom I had given it before) whilst Mr. T. A. Rogers extracted a tooth. No sickness.

Administered Chloroform at King's College Hospital to a girl, about 17, whilst Mr. Fergusson operated for hare-lip.

Administered Amylene to an elderly woman whilst Mr. F. removed a fatty tumour from the back of the shoulder. Inhaled for four minutes before operation. No excitement or rigidity. In 2nd. degree, but had no pain. Recovered promptly. A little headache in ward.

Administered Chloroform to a girl, about 16, whilst Mr. F. removed a large tumour of the lower jaw. The jaw was divided near the symphysis, and disarticulated on the left side. The bleeding was very free, and reduced the pulse to a state of great feebleness. There was a little haemorrhage afterwards in the ward, and she died on the 4th.

{ 795 } Administered Chloroform to a man whilst Mr. Fergusson performed excision of the knee joint.

795

Also to a man whilst Mr. Bowman tied the femoral artery. The artery in the other thigh was operated on a few weeks ago.

**Monday 4 May, 1857**

Administered Chloroform at Mr. Fletcher's to a gentleman whilst he extracted a tooth. No sickness.

Administered Chloroform at 85 Gower St. to a gentleman, about 30, named Blackstone, whilst Mr. Curling removed one of the testicles affected with cystic disease.

**Tuesday 5 May**

Administered Chloroform to Mrs. Medhurst, Albany Terrace, Regent's Park, a lady about 40, very much debilitated, whilst Mr. Fletcher extracted 7 teeth & stumps. No sickness.

Administered Chloroform at Mr. Saunders' to a girl of 13 whilst he extracted three teeth.

Administered Chloroform to Mr. Gardiner, a butcher, about 40, at 52 High St., Aldgate, whilst Mr. Coulson divided a stricture of the urethra by internal incision with a stiletted bistoury. No sickness.

Also to a gentleman in Caroline Place, Trinity Square, whilst he operated for haemorrhoids by ligature. No sickness.

Administered Chloroform at Mr. S. Cartwright's to a girl of 13 whilst he extracted four teeth. No sickness.

796

{796}

**Wednesday 6 May**

Administered Amylene to a girl of 5 or 6 whilst Mr. Lonsdale divided the fascia of the foot. Inhaled about 3 minutes. Very slight rigidity.

Also to a child, about 3 or 4, whilst Mr. Lonsdale divided the hamstring tendons. Symptoms as above, but a little more rigidity.

Also to a boy of 8 or 10 whilst Mr. Adams opened two abscesses near the knee, by subcutaneous incision. Symptoms as in first case.

Administered Amylene to a girl, aged 7, at 1 Upper Harley Street whilst Mr. Bowman performed excision of the eyeball. No excitement, rigidity or any other unpleasant symptom. Patient remarkably quiet.

Administered Amylene on Friday evening to Mrs. Mason, in St. Clement's Lane, attended by Mr. Adair in her sixth labour. The vapour was commenced at 9.30 P.M., the patient having been in labour a few hours. The os uteri was not fully dilated. The pains came on regularly, every three minutes but were not very strong. They, however, gradually increased and the child was born at half past eleven. The cord was round the neck, and it was nearly asphyxiated in the birth, but was restored readily by Marshall Hall's method. The placenta was expelled a few minutes after the child, and with very little haemorrhage. The patient inhaled with every pain, which appeared to be very quickly relieved. The last quarter of an hour or so she seemed to be altogether insensible. About 3iii of Amylene were used. 2nd. Going on well.

797

{797}

**Thursday 7 May, 1857**

Administered Chloroform at Mr. Vasey's, New Bond St. to Cap<sup>l</sup>. Young whilst Mr. V. extracted three teeth. No sickness.

Administered Chloroform at Mr. W<sup>m</sup>. Adams' to a girl of 7 whilst he divided the fascia at the sole of the foot. Vomiting.

Administered Chloroform at Mr. Saunders' to a girl of 20 whilst he extracted a tooth. No sickness.

Also to a gentleman whilst he extracted four teeth. Feeling of sickness for a day or two.

**Friday 8 May**

Administered Chloroform at Mr. Saunders' to a Greek lady, about 25, whilst he extracted three teeth. No sickness.

**Saturday 9 May**

Administered Chloroform at 16 Hanover Square to Miss Ward, aged 11, whilst Mr. T. A. Rogers extracted a tooth. No sickness.

Administered Amylene in King's College Hospital to a young woman whilst Mr. Fergusson removed a sebaceous tumour situated on the temple. She inhaled about 4 minutes before op'n.

Also to a woman whilst he operated for fissure in the rectum, also about 4 minutes before op'n.

Also to a woman whilst Mr. Bowman applied nitric acid to haemorrhoids.

Also to a boy, 7 years old, whilst Mr. B. operated for strabismus in both eyes. No sickness in any whilst I remained in the Hospital.

{798}

798

**Monday 11 May**

Administered Chloroform at Mrs. Pigott's, 4 Cambridge Terrace, Regent's Park, to a girl, about 16, grown up to a woman, whilst Mr. Fergusson operated for strabismus. A little sickness.

Also to her sister, aged 14, but also grown up to a woman, whilst he performed a similar operation. A good deal of vomiting which commenced before the operation was performed.

Administered Chloroform at 306 Regent St. to a youth, about 12, whilst Mr. Fergusson divided some tendons about the foot. No sickness.

Administered Chloroform at 1 Halkin St. to a lady, aged 25, married, whilst Dr. W. V. Pettigrew removed a tumour of the lower jaw, dividing it at the symphysis and disarticulating it on the right side. Mr. Fergusson assisted. She went through the operation without sickness, although the bleeding was very free. 13th. Going on well. Got well.

Administered Chloroform to Mrs. Bax, at 2 Sussex Place, Hyde Park, whilst Mr. Partridge divided a contraction of the outlet of the vagina at its posterior part.

**Tuesday 12 May**

Administered Chloroform at Mr. Saunders' to a youth, about 16, named Wilson, a scholar at Harrow. Mr. S. extracted two teeth.

Administered Chloroform at 99 Westbourne Terrace to Mr. E. Anderson, between 20 and 25, whilst Mr. Curling performed circumcision. The patient was hardly unconscious before he began to throw his [*This entry was continued by Snow three pages further on.*]

{799} Administered Chloroform to Mrs. Nicholls, lately married, (sister of Mrs. Bax) at Crawley's Hotel, Albemarle St., whilst Mr. Partridge and Dr. Farre made an examination

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of the vagina. There was a malformation consisting of a bifurcation – one passage ending in a cul de sac, and the other leading to the os uteri. It was determined to treat the latter, which is narrow, by sponge tents. Sickness.

***Wednesday 13 May***

Administered Chloroform at Mr. Saunders' to a young lady, about 20, whilst he extracted two teeth. A little retching, but no vomiting.

Administered Chloroform at Mr. Sydney Herbert's to one of his children, aged 3 years, whilst Mr. Tuach tried to get a glass bead out of the ear. Also,  $\frac{3}{4}$  of an hour afterwards, whilst Mr. Prescott Hewett succeeded in extracting it. No sickness whilst I remained.

Administered Amylene at the Orthopaedic Hospital to a child, aged 3 years, whilst Mr. Adams divided the tendo Achillis.

Also to a young woman, about 20, whilst Mr. Lonsdale divided the extensor tendons of the toes of the right foot. A little nervous agitation as she was recovering.

Also to a young woman, patient of Mr. Lonsdale, with the right shoulder drawn up who inhaled it on two former occasions. The shoulder came into its place when she was unconscious although the muscles were not relaxed.

Also to an infant, of 8 ms., whilst Mr. Lonsdale divided some tendons of the foot.

Also to a young man whilst Mr. Adams divided the extensors of the toes.

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{800}

***Thursday 14 May***

Administered Chloroform at 40 Berkeley Square to Mrs. Johnstone whilst Mr. Fergusson operated for fistula in ano. Dr. Todd was present.

Administered Chloroform at Mr. Fletcher's to an unmarried lady whilst he extracted three teeth.

Administered Amylene at 13 Wild Court to Mrs. Sullivan, an Irishwoman in her third labour, attended by Mr. Adair. The os uteri was nearly dilated, and she had been in labour about 10 hours. The pains were not very strong. They occurred every three or four minutes. Amylene was inhaled with each pain for an hour, when the pains almost ceased just when the os uteri was fully dilated. After waiting about half an hour, without giving amylen, I came away. Mr. Adair informed me that the pains returned soon after I left, and the child was born in about half an hour. She was hardly rendered unconscious by the amylen, and between 2 and 3 ounces were used.

Administered Chloroform at Cleveland Terrace, Hyde Park, to a girl from Ireland, aged 12 years, whilst Mr. Bowman operated for strabismus in both eyes. A good deal of surprise was excited in Mr. Bowman, Mr. Hulke and myself during the inhalation by the entire absence of pulse in the right wrist, and its almost entire absence in the left arm. It was found to be good in the temporal artery, so the inhalation and the operation were



proceeded with. It was found afterwards that there must be an unusual distribution of the vessels at the wrist. The ulnar arteries could not be felt.

{801} continued from May 12. limbs and head about in the most violent manner. He was held, and the chloroform given by force, and he was perfectly quiet during the operation and for a few minutes afterwards. About this time, however, when a patient usually recovers his consciousness, he began to throw his arms, legs and head about in the same violent manner as before. Being held firmly his muscular efforts subsided, but returned whenever he was left to himself. He remained unconscious for upwards of half an hour, but woke after some ammonia was applied to his nostrils (he had begun to show a tendency to wake before it was applied). He was inclined to go off again into the same state, but I told him to make an effort to keep awake, and he remained well.

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**Friday 15 May, 1857**

Administered Chloroform to a lady at Mr. Saunders' whilst he extracted four teeth.

Administered Chloroform to an elderly man, named Mr. Lacy, at Peckham Grove, Camberwell, whilst Mr. Partridge operated for fistula in ano. Vomiting.

**Saturday 16 May**

Administered Amylene in King's College Hospital to a young woman whilst Mr. Fergusson removed a fatty tumour from the side of the neck. An hysterical expression of eyes & face continued for the next half hour.

Administered Chloroform to a young woman whilst he removed a large epulis.

Also to a young woman whilst he performed excision of the elbow.

{802} Administered Chloroform at 18 Stratford Place to a gentleman whilst Mr. Bigg extracted two teeth. No sickness.

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Administered Chloroform at 26 Cambridge Terrace to Miss Allen, from York, whilst Mr. Bowman operated for strabismus on both eyes. No sickness.

Also to Miss Williams, daughter of Dr. Caleb Williams, of York, whilst he operated for strabismus of both eyes. A little sickness.

**Monday 18 May**

Administered Chloroform at 17 New Broad Street to Mr. Elster, a German, about 60 years old, whilst Mr. Salter extracted 8 teeth and stumps. The patient has an intermittent pulse, is subject to chronic bronchitis in winter, and a physical examination of the chest showed the presence of emphysema. There were no signs of valvular disease. After the chloroform the pulse was regular, and the patient felt better than usual.

Administered Chloroform to Mr. Brown, 14 Princes Street, Bedford Row, a stout man about 50, whilst Mr. Fergusson removed some diseased bone from the upper jaw on the right side, making an incision by the side of the nose for the purpose, and afterwards using

the bone nippers. The patient was seated in a chair, and partially awoke during the operation whilst I was endeavouring to administer some chloroform on a sponge. He struggled a good deal. There was a good deal of bleeding, and after the operation he was turning faint, but recovered on being laid down.

***Tuesday 19 May***

803 Administered Chloroform at the Samaritan Hospital to the woman with vesico-vaginal fistulae, patient of Mr. Wall's, who has so often inhaled {803} it before. It was not long continued as a slough which had been produced by the electro-cautery a few days before was not ready to be detached.

Administered Chloroform at Hendon to Mr. Hewitt, a middle-aged gentleman, whilst Mr. Partridge performed circumcision. No sickness whilst I stayed.

Administered Chloroform at 25 Hornton Street, Kensington, to Miss Blake – who inhaled it twice recently at Mr. Saunders'. On this occasion Mr. Ashton divided the sphincter on account of fissure, having first removed a great quantity of impacted faeces with the handle of a table spoon.

***Wednesday 20 May, 1857***

Administered Chloroform at Mr. Bowman's to an infant, about a year old, whilst he operated on a naevus of the forehead by solid nitrate of silver and the actual cautery.

Administered Chloroform at Mr. Saunders' to a spinster lady, named Kirk, about 35, whilst he extracted three or four teeth. No sickness.

Administered Chloroform at 9 Manchester Street to Mr. Hands, about 40, whilst Mr. Salmon operated for prolapsus ani. No sickness.

Administered Amylene at the Orthopaedic Hospital to a little girl, about 7, whilst Mr. Adams divided some tendons about the foot.

Also to a child, about 3 years old, whilst he performed a similar operation.

804 {804} Also to a man of 67 whilst Mr. Lonsdale divided some tendons about both feet.

Also to a girl, about 7 or 8, whilst he divided the connecting tissues of some webbed fingers.

***Thursday 21 May***

Administered Chloroform to a girl of 16, daughter of Mr. and Mrs. Peel, of the west of Yorkshire, at Mr. Saunders' whilst he extracted three teeth. No sickness.

Also to a young lady from Cambridge, about 20, whilst he extracted two teeth. No sickness.

Administered Chloroform at 13 Sussex Gardens to Miss Campbell, about 30 or 35, whilst Mr. Fergusson removed an encysted tumour situated on the eyebrow. Vomiting.

**Friday 22 May**

Administered Chloroform again at the Samaritan Hospital to Mr. Spencer Wells' patient with vesico-vaginal fistulae whilst he removed a slough produced by electro-cautery, pared the edges of the wound, and applied a suture formed of lead. No sickness.

Administered Chloroform at Mr. Fletcher's to Mrs. Welch, from Twickenham, a lady about 35 or 40 who is nursing. Mr. F. extracted four teeth and stumps. The chloroform was repeated twice. Vomiting.

Administered Chloroform last evening at the Archbishop of Armagh's to his niece, Mrs. Dunbar, in her confinement. Dr. Cape had {805} attempted to rupture the membranes on the previous day, but did not succeed. The head of the child was then presenting, the patient being – as on the former occasion – about the middle of the eighth month of pregnancy. He ruptured the membranes at 2 o'clock P.M. yesterday, and he and I were sent for about 8 P.M. He found the arm presenting, and down in the vagina. I administered chloroform so as to cause insensibility, and the turning was effected without much trouble, and the child was resuscitated by Dr. Cape with some trouble. The placenta was expelled in half an hour with very little discharge.

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**Saturday 23 May, 1857**

Administered Chloroform at 5 Sackville Street to a girl, aged 9, whilst Mr. F. W. Rogers extracted three teeth. A little vomiting.

Also to the sister of the above, aged 16, whilst he extracted two teeth. No sickness.

Administered Chloroform at 32 Old Burlington Street to a gentleman, about 25, whilst Mr. S. Cartwright extracted a molar tooth in three separate roots.

Administered Amylene to an infant, about a year old, in King's College Hospital whilst Mr. Fergusson removed a small encysted tumour near the forehead.

Also to a woman, about 35, whilst he operated for procidentia uteri by paring and uniting the labia.

Also to a girl, about 10, whilst he removed some diseased bone from the foot.

{806} Also to a young man whilst Mr. Partridge performed excision of the knee.

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Administered Chloroform to a young woman whilst Mr. Hulke removed a diseased bursa patellae.

**Monday 25 May**

Administered Amylene for an hour and ten minutes to a woman, aged 20, in her first confinement, attended by Dr. Adair. She had been in labour since 3 P.M. yesterday. The amylenes was commenced at 9.30 today, the os uteri being not yet fully dilated. The pains occurred every 2½ minutes. The amylenes was inhaled with each pain which it relieved in a very manifest way. I left at 10.40 on account of other business, and the labour was over at one P.M.

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Administered Amylene at Mr. Saunders' to Miss Lindo, from Finsbury Circus, who inhaled it in February. Mr. Saunders extracted five teeth. No complications of any kind.

Administered Chloroform at Mr. Fergusson's to an infant, about a year old, whilst he removed a small encysted tumour from the outer corner of the eyebrow. No sickness.

Administered Chloroform at 46 St. James' Street to Sir John Marshbank whilst Mr. Fergusson operated for fistula in ano. No sickness.

807 Administered Chloroform to an elderly lady, mother of {807} Mr. Havers, of 10 Bedford Place, whilst Mr. Caesar Hawkins removed the little finger together with its metacarpal bone, on account of a large tumour with which they were affected.

Administered Chloroform at 85 Ebury St. to Mr. Poore, formerly of South St. Mr. Brodhurst endeavoured to effect some motion in the hip joint. No sickness.

***Tuesday 26 May, 1857***

Administered Chloroform at 25 Gordon St., Gordon Sq., to Mrs. Mackly, aged 35 or so, whilst Mr. Paget operated for rupture of the perineum. The operation lasted an hour and ten minutes.

Administered Chloroform again to Miss Allen, of York, whilst Mr. Bowman operated again on the right eye.

***Wednesday 27 May***

Administered Chloroform at 9 Somerset St. to Brigadier Mackenzie, a middle-aged man, whilst Mr. Webber, from Norwich, removed the middle finger together with part of its metacarpal bone.

Administered Chloroform at Mr. Saunders to a lady, six months advanced in pregnancy, whilst he extracted three or four teeth.

Administered Chloroform again at 17 New Broad St. to Mr. Esler. Mr. Bell extracted 4 or 5 stumps. No sickness, &c.

Administered Chloroform at 16 Hanover Square to Miss Bosanquet, of Southgate, about 20, whilst Mr. T. A. Rogers extracted a tooth.

Administered Amylene at the Orthopaedic Hospital to a child, 18 months old, whilst Mr. Lonsdale divided some tendons in both feet.

808 {808} Also to a girl of 17 or so whilst he made forcible extension of an ankylosed elbow. This patient inhaled amylene a few weeks ago.

Also to a very tall, stout, middle-aged man – a sailor – whilst Mr. Adams divided the ham-string muscles of one leg. Muttering during the operation, and slight torsion of the limbs. He also sweated profusely. He showed no sign of pain, and knew nothing of the operation.

Also to a youth, about 12 or 14, whilst Mr. Adams did something to a contracted knee – I think, divided the ham-string muscles.

**Thursday 28 May**

Administered Chloroform at Mr. Bowman's to a little boy of 5 years or so whilst he operated for strabismus in both eyes.

Also to a youth, about 14, (who had been raised in India) whilst he performed a similar operation in both eyes. The patient was sick for 2 or 3 hours.

Administered Chloroform at 111 Fore Street to a young woman, about 25, whilst Mr. Chalk, assisted by Mr. Brodhurst, divided some cicatrices and one or two tendons about a contracted knee by subcutaneous incision. No sickness.

Administered Chloroform at 9 Cadogan Place to Mrs. Caulfield, about 50, whilst Mr. Bowman removed a small epithelial cancer from the cheek. No sickness,

Administered Chloroform to Lady Julia Coke, aged 13, daughter of the Earl of Leicester, whilst Mr. F. W. Rogers extracted a tooth. No sickness.

{809} Administered Chloroform at 26 Old Bond St. to a gentleman, about 55, whilst Mr. Bowman operated for the removal of an epithelial tumour of the eyelid. This patient inhaled chloroform whilst lodging in Keppel St. about 4 years ago when Mr. Fergusson operated.

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**Friday 29 May, 1857**

Administered Chloroform at Mr. Fletcher's to a girl of about 13, niece of Dr. Blakeley Brown, whilst Mr. F. extracted 4 molar teeth. Vomiting.

Administered Chloroform to Mrs. Broke, the wife of a Barrister, a young woman, whilst Mr. Girdwood operated for haemorrhoids by ligature.

Administered Chloroform at 12 Cecil Street, Strand, to a young Hindoo lady whilst Mr. Fergusson performed an operation towards the alleviation of a vesico-vaginal fistula. No sickness.

**Saturday 30 May**

Administered Chloroform in King's College Hospital to an infant, a few months old, whilst Mr. Fergusson operated for hare-lip.

Administered Amylene to a woman whilst Mr. Fergusson operated for prolapsus ani. Inhaled for 3 minutes before operation.

Administered Amylene to a young man whilst he performed amputation of the second toe. Inhaled 3 minutes before commencement of operation, and walked out of the theatre 7 minutes after he sutured it.

Administered Amylene to a man whilst Mr. F. performed excision of the knee, and afterwards amputation of the thigh from finding disease extending into the tibia. The operation lasted about 25 minutes, and he inhaled about 3iii.

Administered Chloroform to a youth, about 14, whilst Mr. Partridge {810} made forcible extension of an ankylosed knee.

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*John Snow*

Administered Amylene to a young man whilst Mr. Bowman performed an operation for necrosis of the femur.

Administered Chloroform at Mr. Merryweather's, Brook St., to Lady Stratford de Redcliffe, whilst he extracted an upper incisor tooth. Inhaled for 4 minutes, and woke a minute or two afterwards. No excitement, sickness, depression or any other complications.

***Monday 1 June***

Administered Chloroform at 16 Hanover Square to Miss Cooper, about 20, whilst Mr. Thos. A. Rogers extracted a tooth. A little feeling of sickness afterwards.

***Tuesday 2 June***

Administered Chloroform at Mr. Hepburn's to a married lady whilst he extracted three molar teeth. A little hysteria afterwards.

Administered Chloroform at Mr. Canton's to a gentleman whilst he extracted a tooth (molar). He is an officer in the army, an anaemic man who has suffered from ill-health. There was some rigidity before he was insensible, and a tendency to faintness afterwards but – being laid down – he was soon pretty well.

***Wednesday 3 June***

811 Administered Chloroform at Mr. Saunders' to a boy aged 10, son of Mrs. Henry Cohen, of Twickenham, whilst he extracted 3 of {811} the first molars. No sickness, &c.

Administered Amylene at King's College Hospital to a young woman whilst Mr. Partridge operated for necrosis of the tibia.

Also to a man whilst he operated for fistula in ano. He did not get quite insensible, although he inhaled longer than usual. He called out a little during the operation but he did not know, afterwards, that anything had been done. I found that there was a hole in the side of the face-piece which had diluted the vapour more than I intended.

Administered Amylene by means of the inhaler to a child, a little more than a year old. It was made insensible in about two minutes. Mr. Lonsdale thought there was an additional tendon to be divided, but he found that they had all been divided last week.

Also to a child about the same age, with the inhaler, whilst Mr. Adams divided some of the tendons of the foot.

Also to an infant 3 months old, with a sponge, whilst Mr. Lonsdale divided some of the tendons of the foot.

Also to a girl, about 18, whilst Mr. Adams divided some of the tendons of the toes. This girl inhaled a few weeks ago when the other foot was operated on.

Also to a boy of 15 whilst Mr. Adams divided some tendons of the feet.

Also to a boy of 12 whilst Mr. Lonsdale divided some tendons of the feet.

### Case Books

[Pages {812} to {824} have been re-numbered, and appear as pages {926} to {938}. See pages xxiv–xxv, xxix of the Introduction.]

{825}

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#### **Thursday 4 June, 1857**

Administered Chloroform to a gentleman, aged 44, at the foot of Highgate Hill whilst Mr. Salmon operated by ligature for prolapsus ani. No sickness.

Administered Chloroform at Mr. Fergusson's to an infant, aged 8 months, whilst he operated with ligatures on a naevus on the upper lip. No sickness whilst I remained.

#### **Friday 5 June**

Administered Chloroform at Mr. Fletcher's to girl, aged 10 years, whilst he extracted three of the first permanent molars. She had taken only a biscuit for breakfast. Vomiting commenced when she was unconscious before the operation, and was somewhat troublesome, but she was rendered insensible without returning to the conscious state. The vomiting returned after the operation.

Administered Chloroform at Mr. Saunders' to a married lady whilst he extracted three molar teeth. No sickness, etc.

Administered Chloroform at Mr. Fergusson's to a gentleman whilst he removed some necrosed bone from the humerus. Rigidity and struggling after loss of consciousness. No sickness. The patient said that, although he did not feel the operation, he saw Mr. F. perform it, but he was not only snoring with his eyes shut, but he had his face turned away from Mr. F. who stood at his back as he lay on the sofa with his face towards me.

Administered Chloroform at 16 Hanover Square to a Miss Green whilst Mr. A. Rogers extracted 8 teeth and stumps. No sickness.

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#### **Saturday 6 June**

Administered Chloroform at King's College Hospital to an infant, about four months old, whilst Mr. Fergusson operated for hare-lip.

Administered Amylene to a boy, aged 6 years, whilst he performed lithotomy.

Also to a girl, aged 10, whilst he removed some necrosed bone from the upper part of the thigh, having to make some five incisions. These two patients were as usual only in the 2nd. degree of narcotism, being apparently awake during the operations.

***Monday 8 June***

Administered Chloroform at 25 Grosvenor Square to Lady Poltimore, aged 50 or more, whilst Mr. Erichsen operated for haemorrhoids by ligature. Dr. Packman was present. Vomiting just after operation of breakfast taken a little before.

Administered Amylene to a youngish married lady from America whilst Mr. Fergusson divided the tendons of the sterno-mastoid muscle. No complications of any kind. 2nd. degree, as usual, without pain.

Administered Chloroform to a youth, about 12, son of Admiral Popham, whilst Mr. White-Cooper made an incision in the cornea and removed the capsule of the lens. Vomiting.

***Tuesday 9 June***

Administered Chloroform to Mr. Brewster, from America, whilst Mr. Fergusson performed a plastic operation on the under lip to remedy the effects of a burn.

827 {827} Administered Chloroform at 31 Manchester Street to Mr. Watson, a young man, whilst Mr. Curling operated for fistula in ano. No sickness.

***Wednesday 10 June, 1857***

Administered Amylene at King's College Hospital to an elderly woman, the monthly nurse who nursed Mrs. Johnson of Balham, whilst Mr. Partridge removed a tumour of the breast. Some sickness. 27th. recovery.

Also to a young woman whilst he removed some necrosed bone from the radius.

Administered Amylene in Cecil Street to a young woman, aged twenty, from Australia, whilst Mr. Solly removed the nail of the great toe. A little hysterical excitement afterwards.

Administered Amylene at the Orthopaedic Hospital to an infant, 9 months old, whilst Mr. Lonsdale divided some tendons of the foot.

Also to a girl of 12 years whilst Mr. Adams opened a large abscess near the hip joint, and connected with it.

Also to a child of 15 months whilst Mr. Lonsdale divided some of the tendons of the foot.

Also to the girl of 19 with the right shoulder drawn up. It came down as usual under the influence of amylen.

Also to a girl of 3 years whilst Mr. Adams divided some tendons of the foot.

Also to a girl of about 6 years whilst Mr. Lonsdale divided some of the tendons of the foot.

Also to a man whilst Mr. Lonsdale divided the tendo Achillis.