

Practical remarks on throat and ear diseases. II. Treatment of goitre. III. Treatment of post-nasal catarrh in relation to deafness / by Lennox Browne.

Contributors

Browne, Lennox, 1841-1902.
Royal College of Surgeons of England

Publication/Creation

London : Baillière, Tindall, and Cox, 1877.

Persistent URL

<https://wellcomecollection.org/works/f5x5fa9d>

Provider

Royal College of Surgeons

License and attribution

This material has been provided by This material has been provided by The Royal College of Surgeons of England. The original may be consulted at The Royal College of Surgeons of England. where the originals may be consulted. This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.

**wellcome
collection**

Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>

With the Compliments of the Author

822

PRACTICAL REMARKS

ON

THROAT AND EAR
DISEASES.



II.—TREATMENT OF GOITRE.

*III.—TREATMENT OF POST-NASAL
CATARRH IN RELATION TO
DEAFNESS.*

BY

LENNOX BROWNE, F.R.C.S. EDIN.,

SENIOR SURGEON TO THE CENTRAL LONDON THROAT AND EAR HOSPITAL;
SURGEON AND AURAL SURGEON TO THE ROYAL SOCIETY OF MUSICIANS;
SURGEON TO THE ROYAL ALBERT HALL CHORAL SOCIETY;
SURGEON TO HER MAJESTY'S ITALIAN OPERA, ETC.

LONDON:

BAILLIÈRE, TINDALL, AND COX,
20, KING WILLIAM STREET, STRAND.

1877.

Price One Shilling.

BY THE SAME AUTHOR.

PRACTICAL REMARKS
ON
THROAT AND EAR DISEASES.

I.
ON THE TREATMENT OF BENIGN GROWTHS
IN THE LARYNX.

1875.

8



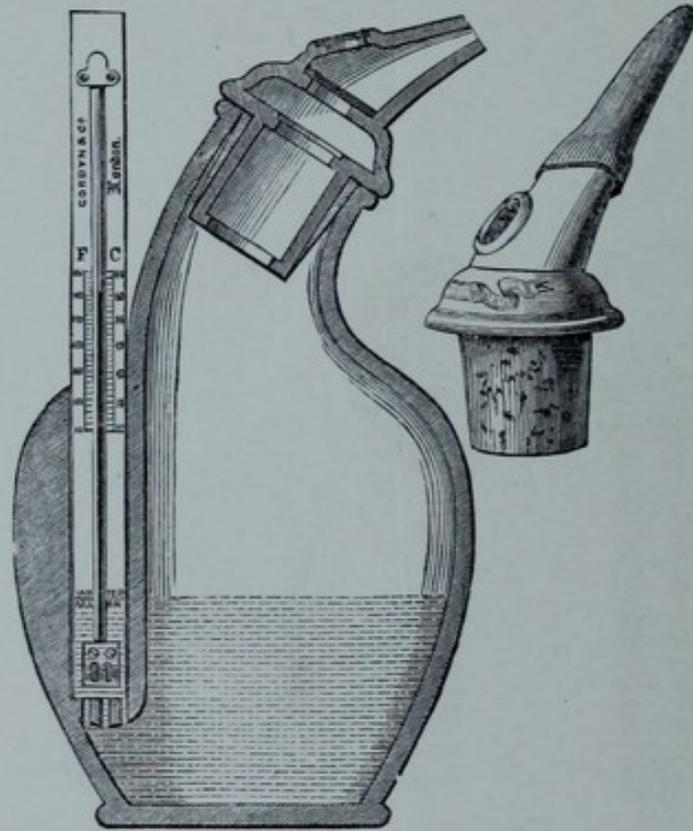


Fig. 1.—Sectional View of CORBYN'S DOUBLE-VALVE INHALER, as suggested by the Author, and described in the *British Medical Journal*, April 25th, 1874.



Fig. 2.—The ANTERIOR SYPHON NASAL DOUCHE. (a). SOFT RUBBER NASAL PIECE, employed by Author for Douche and Politzer Bag.

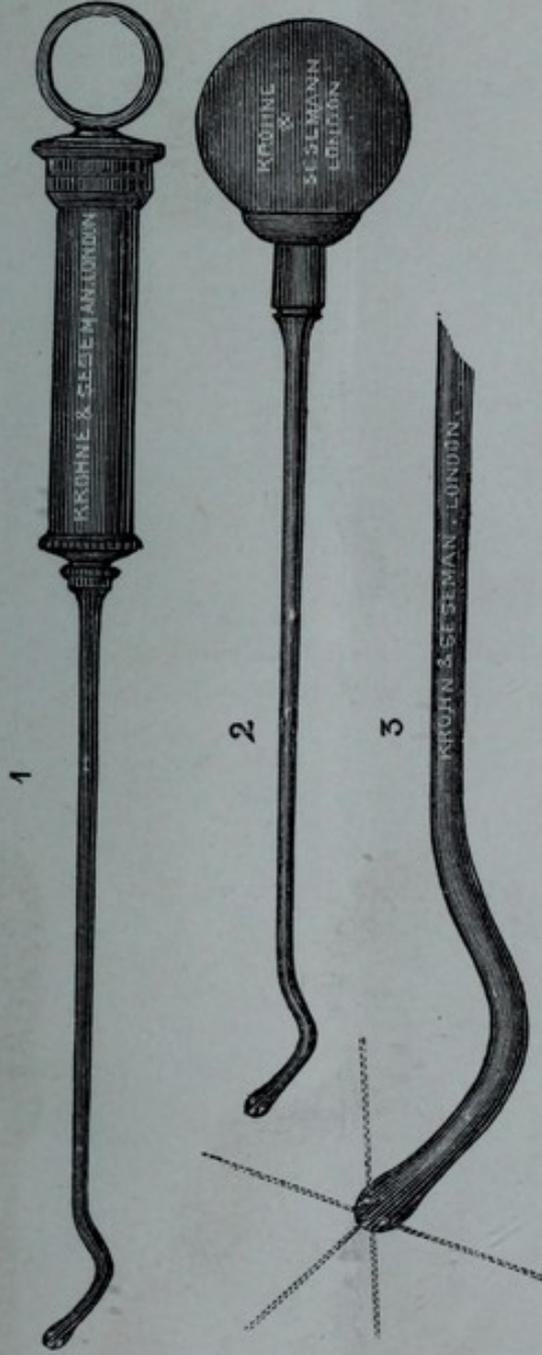


Fig. 3.—No. 1. POSTERIOR NASAL SYRINGE, as used by myself. This form is the best, in my opinion, for a practitioner to employ. No. 2 represents the same principle, with a ball syringe, and is the best form for self-administration of the douche; it has, however, the disadvantage of all ball syringes, that the air is never quite emptied, and there is consequently an unpleasant jerkiness in its action. No. 3 shows the stream as it comes from the different points. 1 and 2 are drawn half dimensions. No. 3 is of full size. The instrument is made of vulcanite, and the exact curve of the tube can be altered at will by well oiling it and then heating it over a spirit lamp. Recently I have had some tubes made of virgin silver, which can be readily adapted to any curve or angle.

PRESENTED

to the

AUTHOR

8

PRACTICAL REMARKS
ON
THROAT AND EAR
DISEASES.

II.—TREATMENT OF GOITRE.

*III.—TREATMENT OF POST-NASAL
CATARRH IN RELATION TO
DEAFNESS.*

BY

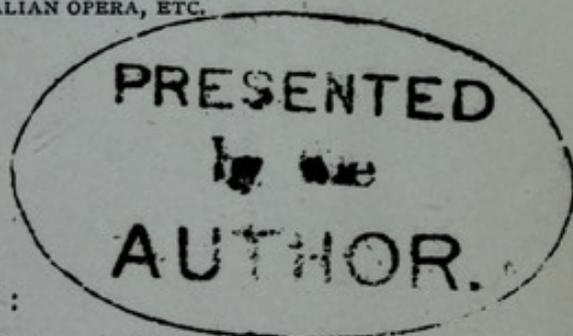
LENNOX BROWNE, F.R.C.S. EDIN.,

SENIOR SURGEON TO THE CENTRAL LONDON THROAT AND EAR HOSPITAL;

SURGEON AND AURAL SURGEON TO THE ROYAL SOCIETY OF MUSICIANS;

SURGEON TO THE ROYAL ALBERT HALL CHORAL SOCIETY;

SURGEON TO HER MAJESTY'S ITALIAN OPERA, ETC.



LONDON:

BAILLIÈRE, TINDALL, AND COX,
20, KING WILLIAM STREET, STRAND.

—
1877.

PRACTICAL REMARKS

THROAT AND EAR

DISEASES

BY

W. H. WELLS, M.D.

OF THE UNIVERSITY OF PENNSYLVANIA

PHILADELPHIA

PRESENTED

BY THE

LIBRARY OF THE UNIVERSITY OF PENNSYLVANIA

PHILADELPHIA

P R E F A C E.

THE two following papers were read at the Meeting of the British Medical Association, at Sheffield, in August 1876.

The first was published in the Association Journal last December.

Respecting the second, I have received so many enquiries for more details from practitioners who read the abstract in the published transactions of the Meeting, that I have been led to print it in full as it was delivered. Increased experience assures me of the value of the post-nasal douche in the treatment of the cases under consideration.

36, Weymouth Street, Portland Place, W.,

February 1877.

THE PREFACE

The two following papers were read at the
Meeting of the British Medical Association
held at August 1911.
The first was published in the *Association Journal*
for December.
In preparing the second I have received so many
suggestions for more details from practitioners who
read the first one in the published transactions of
the Meeting that I have been led to print it in full.
It was distributed amongst experienced workers
at the request of the General Council in the
course of the year 1911.

THE SECRETARY,
BRITISH MEDICAL ASSOCIATION,
11, BEDFORD SQUARE, W.C.

8

CASES
ILLUSTRATING THE SUCCESSFUL TREATMENT OF
GOITRE,
WITHOUT EXCISION OF THE GLAND.

[*Reprinted from the* BRITISH MEDICAL JOURNAL,
December 30th, 1876.]

CLASS

OF THE UNIVERSITY OF TORONTO

COLLEGE

WITH THE LIBRARY OF THE UNIVERSITY OF TORONTO

TREATMENT OF SUFFOCATIVE GOITRE.

AT the meeting of this Association in Edinburgh last year, Dr. Heron Watson related some cases of excision of the thyroid gland on account of goitrous enlargement, and received the support of Professor Lister, who showed a gland which he had removed in the method advocated by Dr. Watson. This gentleman had taken precautions against the most obvious danger of such a procedure—hæmorrhage—by previously tying the thyroid arteries; and he had undoubtedly had greater success than any other surgeon who had performed the operation. Nevertheless, one fatal case had occurred in a series of seven, and others in which alarming hæmorrhage had to be reported. I ventured on that occasion to express my opinion very strongly to the effect that the operation was totally unnecessary, because there were other remedial measures involving no danger whatever, and completely removing the enlargement, and with it the distressing and dangerous symptoms to which the disease frequently gives rise. I further stated that the procedure I advised was so simple that the patient was not required to remain in bed a single day, or even to cease from work; and that the after-disfigurement was very much less than could be the case, even under the most favourable circumstances, when an incision had been made “from the thyroid cartilage to the sternum”.

The two particular procedures to which I referred as suitable for the form of goitre under consideration were, the injection of tincture of iodine into the substance of the gland after the plan of Lücke of Berne, and the introduction of a seton; and I stated that I had had several cases in my own practice: and had also seen many others treated with great success by colleagues.

As many members of the Association appeared sceptical of the benefits to be derived from treatment so simple, I determined at the next annual meeting to relate some cases. I shall on this occasion recount but six, all of which have been sent to me by, or have otherwise been under the notice of, independent practitioners. In these cases, also, relief has been sought for and afforded on account of distressing symptoms, and no case is included in which treatment was adopted solely to remedy a disfigurement.

It is somewhat difficult to say in exactly what cases one may expect

benefit from the iodine, and in which the seton may be indicated beforehand as preferable. The effect of the former is to produce absorption of the cellular portion of the gland; but the fibrous tissue is often bound more tightly together by such absorption, so that, though the whole lump is reduced, it is more dense, and a varying number of more or less hard fibrous nodules remain. The after-marking from use of the injection-needle is, however, *nil*; and in the softer forms of goitre this treatment is most successful, especially if suppuration, which is never excessive, be produced, so as to cause breaking up of the fibrous as well as of the cellular portion of the tumour.* This is what always takes place by use of the seton. The after-marking by this method is extremely slight, and can, in the case of a female, be easily covered by a velvet ribbon round the neck.

In cases where the enlargement is general and the trachea is embraced on each side, I greatly prefer the seton, since the relief is much more rapid; whereas not unfrequently there is actually a temporary increase of distress after the first or second injection of the iodine.

There are many points of clinical interest in the following cases on which I would have liked to dwell, but for want of time. I would especially draw attention to the fact that, except when the tumour is substernal and causes dyspnoea by exercising direct pressure on the windpipe, extension of one or both lateral lobes behind the trachea and œsophagus is always the cause of trouble. The actual variety of hypertrophy also is, in all these cases, fibrous. Cystic goitre, forming as it does, for the most part, a swelling in front of the neck, which grows outwards and very often attains an enormous size, seldom causes dyspnoea. As a rule, suffocative bronchoceles are not of large size. It is not the dimensions, but the unyielding nature and the position of the tumour, that in these cases cause the symptoms. It will be observed that in three of the following cases there was considerable evidence of derangement of the vaso-motor system, and that the two other female patients complained of globus hystericus; and in this connection I may mention that I have never met with a case in which the latter symptom was present, without finding congestion with more or less enlargement of a portion, generally the isthmus, of the thyroid gland.

Latterly I have been in the habit of completing treatment by a course of baths and waters at the Bromo-Iodine Spa of Woodhall, a

* Since I have read this paper, Dr. Webb of Wirksworth, a very bronchocelous district, informs me that he has had great success by injection of a solution of iodine, four times stronger than that of the *Pharmacopœia*: this has been, however, in polycystic goitres. He agrees with me, that in the denser forms the area of inflammation produced by the iodine injections is often very limited.

spring of very high therapeutic value, but the merits of which appear to be but partially recognised by the profession.

In conclusion of these prefatory remarks, I trust that my cases will show that the very serious disease to which they refer can be treated safely and effectually without the knife; and it may be remarked that there is nothing in such treatment to prevent the success of radical measures, should the milder means fail. In all cases, however, which have come under my notice, relief has been speedy, complete, and permanent. The tumour generally disappears entirely, and I have never seen an instance in which it has recurred.

CASE I. Substernal Enlargement of the Isthmus and Left Lobe of the Thyroid Gland, Dyspnœa, and Dysphagia: Iodine Treatment: Cure.—Miss D. J., aged 19, consulted me on December 9th, 1873, by the advice of my friend Dr. Hope of Bolton Row, on account of shortness of breath and difficulty of swallowing. The history was, that for three years there had been gradually increasing shortness of breath, with enfeeblement of the general health. The respiration had become laboured on exertion. She was unable to lie down, except when propped up with many pillows. She suffered from a most distressing loud spasmodic cough, being obliged to hold on to a chair or other object of support during an attack, and was afterwards so prostrate as to have to lie down and rest. Her singing-voice had failed her early in the progress of the case. For the last twelve months, her speaking-voice had become enfeebled, very quickly fatigued, and had often been quite lost. Her power of swallowing had been also greatly reduced; she could now take no food unless sopped or minced, and was obliged to take liquid with each morsel of food. There was, however, no pain in swallowing. She suffered from constant headache, flatulence, and constipation. Menstruation was rather irregular and scanty. She had become very enervated and debilitated. During all this time she had observed that the collars of her dresses had become tighter, and were constantly requiring to be let out, or were left unfastened. There was, however, no visible undue enlargement of the neck; and no medical attendant in England, France, or Germany—and in each of these countries she had sought advice—had directed attention to this point.

On examination, I found a moderately hard oval tumour, of the size of a small hen's egg, over the trachea and rather to its left side. More than half of it lay between the windpipe and the sternum. The least pressure with the hand on the tumour produced increased embarrassment of breathing and brought on an attack of coughing. With the laryngoscope, it was seen that there was pressure on the left recurrent

nerve, as well as directly on the trachea, for the left cord was but imperfectly abducted in inspiration.

Six injections of thirty drops of tincture of iodine (pharmacopœial preparation) were made at intervals of a week or fortnight. After the first injection, which rather increased the symptoms, recovery was uninterrupted. The final result was an entire disappearance of the tumour and of the symptoms. I have frequently seen the patient since; and she visited me on July 29th last, to show me, at my request, how well she was. She has never had the least recurrence of any of her former discomfort. Her speaking-voice has returned with full strength, and has not again failed her. She sings occasionally; but her singing-voice has never regained its former power, and she says that singing always fatigues her throat.

CASE II. *Fibrous Enlargement of Right Lobe and Isthmus of the Thyroid Gland: Extreme Dyspœa and Stridor: Dysphagia: Iodine Treatment: Suppuration: Cure.*—Frederick P., aged 18, residing at Folkestone, applied at the Central London Throat and Ear Hospital, September 15th, 1874, on account of extreme difficulty of breathing. He stated that for more than two years his parents had noticed his breathing becoming increasingly laboured; but, before that time, his neck had been observed to be large, and he had found the collars of his shirt getting tighter and tighter. The difficulty of breathing had for the last six months been so severe that the least exertion produced stridor and choking. He had been obliged to entirely give up his work as a gas fitter's apprentice; and he had undergone much medical treatment, allopathic and homœopathic, without the least benefit. For the last eighteen months, he had suffered from increasing hoarseness, and from pain in swallowing, as if the food had to be forced down beyond an obstruction.

On examination, there was found to be a fibrous enlargement of the right lobe and isthmus of the thyroid gland, of the size of a large hen's egg. The neck measured $15\frac{1}{4}$ inches. With the laryngoscope, the vocal cords were seen to be congested and weakened both in their adductive and abductive action. The pharynx was also congested. Respiration was noisy and stridulous even when the patient was at rest. Distress was immediately increased on the least exertion.

I showed the boy at the Harveian Society in October, and commenced treatment about that time, injecting tincture of iodine, thirty drops of the pharmacopœial preparation on each occasion. This I did for a month three times a week, with the result of producing a small abscess in the gland, which having been well poulticed, I opened and introduced pledgets of lint to keep up the discharge. To show the

depth of the abscess, I may mention that the pledgets would at first go in more than four inches without packing. This, with poulticing, was continued for six weeks. The whole treatment lasted three or four months. The tumour entirely disappeared, and with it all trouble of respiration and voice. I saw the patient with my colleague Dr. Llewelyn Thomas on July 28th, when we satisfied ourselves that there was not the least enlargement remaining, and an almost unappreciable scar.

The lad is now working daily at his trade, and does not suffer the slightest inconvenience. He has, in fact, never had a day's illness since he was cured of his neck. The measurement is now $13\frac{1}{4}$ inches over the site of the former swelling. Mr. Bateman of Folkestone, who "perfectly remembers that the lad had a very large bronchocele pressing much on the trachea and causing considerable difficulty of breathing", further, writes on July 30th: "The young man F. P. has been to me to-day to show me his neck. I am glad to find there is not a trace left of the large goitre he suffered so much from previously."

CASE III. *Fibrous Enlargement of Isthmus and Left Lobe of the Thyroid Gland, causing Dyspnœa, Dysphagia, and Sympathetic Derangement: Treatment by frequent Injections of Iodine, so as to produce limited Suppuration: Cure.*—Miss R., aged 24, residing at Finsbury, consulted me in October 1875, by the recommendation of Dr. Thorowgood, on account of suffocative symptoms due to thyroid enlargement. The patient, a fair, rather anæmic girl, of slight build and of highly nervous temperament, gave the following history. For a long time she had been conscious of having a full throat, but it was only during the last six months that her breathing had been affected. During this period, she had suffered from a sensation of choking when lying down, accompanied with palpitation of the heart. At first, she was awake in her sleep with a feeling of suffocation, as if some one were strangling her; and during the day she would suffer only from a sensation as of a ball rising in her throat. Latterly, however, the symptoms of strangulation had been constant. It was impossible for her even to lie on the sofa. She did not suffer from sleeplessness, but was afraid to sleep for fear of being suffocated; and her brother or a friend had sat up with her for many nights past. On the slightest exertion, her breathing became short, and the action of her heart was hurried. Walking, even up stairs, occasioned the greatest fatigue, and she was in a state of great general prostration and debility. Her power of swallowing had been so enfeebled, and as it were interrupted by sense of constriction, that she could only take sopped food accompanied with frequent draughts of

liquid. She had acquired the greatest distaste for animal food. She suffered from constant flushings, preceded or followed by cold. She felt generally cold, and found great trouble in getting warm in bed or by any artificial aid, as hot-water bottles, etc. Recently, she appeared to have lost power in the upper limbs, and could hardly lift her arms; had constant frontal headache, with great weight and pressure in the occipital region. She suffered much from flatulence with acid eructations. The bowels were constipated. The menstruation was regular in appearance, but always painful, deficient in quantity, of very pale colour, and passing in clots. I need not say that, under Dr. Thorowgood's hands, general therapeutic treatment had been active and judicious; but the patient had got worse rather than better.

On examination of the neck, I found a hard, firm, uniform swelling of the isthmus and left lobe of the thyroid body, in all as large as a Tangerine orange. While the central swelling dipped low down, so as to lie partially between the sternum and windpipe, the left lobe extended quite around the trachea and gullet. The voice was very feeble and at times almost lost. On laryngoscopic examination, the adductive power of the vocal cords was seen to be much weakened; but there was no visible narrowing of the trachea.

On October 9th, the central tumour was injected with iodine from above downwards, so as to endeavour to relieve at first the substernal pressure. Thirty drops of the pharmacopœial tincture were used. The next day, the patient came with considerable increase of the dyspnoea, and having passed a very bad night. On the 11th, I repeated the injection, with the result of seeing, on the 13th, that the skin over the point where the syringe had entered was red and tender. I repeated the injection on this date, and ordered the patient to commence poulticing and fomenting on the 14th. In a few days, suppuration took place. I did not open the abscess, but on the 24th injected the side-swelling, a procedure which was repeated a week later. In the meantime, the small abscess had pointed and commenced to discharge. It was kept open by small pledgets of lint for four weeks, when it gradually filled up. Only five injections in all were made, the amount each time being about thirty drops.

The following is taken from my notebook on December 18th, about ten weeks after commencement of treatment.

“The tumour is reduced to a very small hard lump the size of a small common nut-kernel. The patient sleeps well. She has lost all sensation of strangling since the first six weeks of treatment; suffers no longer from globus hystericus. The swallowing is still weak, but there is no longer a feeling as of stoppage of the food from a sense of

constriction of the gullet. Still feels rather cold, but has regained power in the upper limbs. Circulation generally improved, and palpitation much less urgent. Menstruation devoid of pain and of clots, and of better colour. Bowels still confined, unless Friedrichshall water is taken. Digestion and appetite generally much improved. She is far from strong, but takes short walks daily, and is able to attend to her brother's household. The local scar is not as large as a pea."

July 26th, 1876. The patient visited me, at my request, on this date. She has remained quite well in every respect since she left my care more than six months ago, and there is not the slightest sign of the former tumour, nor is there any scar.

CASE IV. *Enlargement of the Thyroid Gland, principally of the Right Lobe, displacing the Trachea, pressing on its Right Wall, and giving rise to considerable Dyspnœa and Sympathetic Derangement.*—Elizabeth C., aged 38, married, but without children, and residing at Luton in Bedfordshire, a goitrous district, consulted me at the Central London Throat and Ear Hospital on December 15th, 1875, on account of shortness of breath caused by a swelling in the neck. Her history was that, fifteen years previously, she had observed a small swelling as of a pea in the centre of the throat. As it increased, it seemed to move to the right side; and for the last four months a similar small tumour has shown itself also on the left side. No pain or inconvenience was experienced till twelve months ago, when the breathing was first affected, becoming short not only on exertion, but being always laboured even when sitting still or walking. The voice also became quickly fatigued and weak, as if for want of breath. For some months she had been unable to lie down, but had to be supported in bed in a sitting posture by pillows, and to draw her knees up towards her body. On attempting to lie down or to put her legs straight, the breathing became more difficult. She suffered great pain in her right shoulder, and could not even allow the bedclothes to touch the right side. She had a troublesome hacking cough, with tenacious, clear, saliva-like expectoration, rarely expectorating phlegm, but, if so, experiencing relief. She had had occasional but not frequent serious suffocative attacks in the night. Eight months previously, the patient had noticed that she did not perspire on the right side of the face, neck, and upper arm; but she perspired below the right elbow and in the right hand. The right side of the face would be pale and dry, while the left would be flushed and the perspiration stand out in beads. The line of demarcation was distinct and in the median line. For ten years she had had a tendency to bleeding of the nose; the attacks had been more frequent lately. The right eyelid had perceptibly drooped, and was sometimes almost

closed. She had for years been subject to browache, and latterly also to occipital headache. Menstruation had for the last six years been excessive, in frequency of appearance, in duration, and in amount. The bowels were regular; the appetite fair. There was no distaste for animal food. She had suffered greatly from sleeplessness, and the periods of sleep had been much shortened. She was quite unable to do any work on account of her breathing, but she had only felt bodily weak and disabled for the last six months. She had become much emaciated. Her family history was, that both father and mother had died of consumption. She had but two sisters, both of whom were married, with families, were in good health, and without any tendency to thyroid enlargement.

On examining the neck, a swelling of the size of a large hen's egg was observed on the right side and front of the neck, just in the region of the thyroid gland. The vessels of the neck were pushed back, and the windpipe pressed right out towards the left. The thyroid cartilage was not displaced. There was a smaller lump, the size of a walnut, on the left side, rather behind the trachea, and also pressing back the carotid. The neck measured $14\frac{3}{4}$ inches over the swellings. With the laryngoscope, the trachea was seen to be not only displaced, but its calibre largely encroached upon by the tumour of the right side pressing on the inner wall, so as to give the appearance of a large semi-oval non-pedunculated tumour. With the sphygmograph, there was found to be increased arterial tension of the right radial, with undue pronounciation of the secondary waves of that side. The pulse was 100 and weak. The temperature was normal on the right side, and one degree above normal on the left. With the ophthalmoscope, both discs were seen to be equally anæmic; the right pupil was unduly contracted and but little acted on by light.

This patient was exhibited at the Pathological Society on December 21st; and on the following day I passed a seton right through the whole mass from left to right, prescribing also perchloride of iron and quassia, and phosphorised cod-liver oil at night. Disintegration was very slow, and the setons were retained for six months. Long before that time, however—in fact, very soon after introduction of the seton—the breathing had improved, and about the middle of June it was quite well. Perspiration had been re-established in the right arm, axilla, and neck, but not on the face. The pain in the shoulder had gone. The patient could lie moderately high in bed. She had gained flesh; she slept better. The ptosis had almost disappeared, and the pupils acted equally. She has now been at Woodhall a fortnight, taking baths and the water, and constantly wearing the compress of

concentrated liquid. I saw her two days ago, and she has still further improved since her stay there. The tumour is very greatly reduced, the neck measuring barely $12\frac{1}{2}$ inches; and, with the laryngoscope, the trachea is seen to be normal in direction, and in its circumferential capacity and uniformity.

CASE V. *Enlargement of Isthmus and Left Lobe of Thyroid Gland, causing Dyspnœa and Dysphagia: Treatment by Seton: Cure.*—Charlotte H., aged 22, single, a barmaid, was first seen by me at the Central London Throat and Ear Hospital on March 16th, 1876. She stated that she had noticed a gradual enlargement of the neck for two years; that for the last four months her breathing had become distressed; and that lately she had been quite unable to lie down, but had slept in a chair. Swallowing also had become difficult. There was a constant feeling of choking and of a lump in the throat. Her health otherwise was good. Menstruation was regular; and, if her breathing were only relieved, so that she could sleep, she said she would feel quite well. She was, however, greatly debilitated. The swelling of the neck was general, but it was on the left side that the tumour appeared to embrace the windpipe. The measurement was $15\frac{1}{2}$ inches, and the hypertrophy was of the fibrous variety. An injection of tincture of iodine was made at the first visit. Great pain was complained of at the time by the patient. The next morning, very early, she came to my house suffering from extreme dyspnœa. She stated that she had not slept a minute all the night, that she had been unable to take any food but liquids, and that she felt as if she should be strangled. With the consent of herself and her friends, I at once inserted a seton. The effect was most marked. She passed a very fair night, and within twenty-four hours found her breathing was quite easy. Suppuration became established in a few days; the seton discharged, freely, and the tumour diminished in size most markedly. The seton was removed in a month; and on April 26th she went to the hospital at Woodhall. Mr. Cuffe, under whose care she there was, has kindly supplied me with the following note.

“This patient has had five baths a week, has taken daily one tumbler of spa water in divided doses after meals, and has had a compress of the concentrated water (*Mütter-lauge*) fifty times stronger than the natural water constantly applied. No other treatment has been pursued. There was some swelling of the central lobe remaining on admission, and the seton-points discharged for a few days after arrival; but at the time of dismissal, at the end of a month, all discharge had ceased. No thickening is perceptible, and no mark of the tumour beyond the cicatrices, which are mere points.”

On her return to London, Charlotte H. visited me. The tumour had entirely disappeared, and with it every distressing symptom. Her general health had greatly improved by her stay at Woodhall, and she was about to take a fresh situation.

CASE VI. *General Fibrous Enlargement of the Thyroid Gland, causing Dyspnoea: Unsuccessful Treatment by Counterirritation, Electrolysis, etc.: Treatment by Seton and Mineral Waters: Cure.*—Sarah M., aged 13, a native of Louth in Lincolnshire, applied at the Central London Throat and Ear Hospital June 7th, 1875, on account of difficulty of breathing occasioned by enlargement of the neck. The thyroid gland had been observed to become generally and progressively enlarged for the last two years, and for the last six months breathing had been noisy and difficult. She occasionally had a cough of a laryngeal and spasmodic character. Her swallowing had not been difficult or painful; but she constantly felt a lump rising in the throat, with a general sense of constriction. Her general health was good. The bowels were rather constipated, and she had never menstruated. On examination, there was seen to be a general moderately large enlargement of the thyroid gland. The neck measured $15\frac{3}{4}$ inches.

Ointment of biniodide of mercury was ordered, with iron tonics, and a five-grain pill of aloes and myrrh each night. In the course of two or three months, menstruation was established; but the tumour did not diminish. In January, I commenced a series of experiments with electrolysis, and pursued that treatment on this patient as well as on seven others. [I may mention, in passing, that I only got a really beneficial result in one case and partial diminution in another, both of them being simple glandular enlargement of the non-fibrous variety.]

Sarah M. underwent twelve operations in four weeks, having two needles introduced each time, and a strength of from sixteen to twenty-five cells of a Stöhrer's battery. Not the least good was effected; in fact, both tumour and dyspnoea appeared to increase, so that early in March I introduced a seton right through both lobes and isthmus of the gland. The seton was retained for six weeks; and in June the patient was sent to Woodhall, where I saw her two days ago. She has been an inmate of the Woodhall Hospital for six weeks, taking the baths and water, and wearing the compress; and her general health has improved most markedly. Locally, there is still some slight fulness remaining, but all distress is relieved. The child plays and runs about without any trouble.