Two offices under led as endorser. Hernand Lottley, 23. 24. 

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Gout.

Thomas Bentham
On Gout.

Gout, derived from Lutus-adrip, is obedience to an old Pathological doctrine, is essentially a blood disease. The Ancients thought it arose from a drop of morbid or acid matter deposited on the Articular Surfaces. The term appears to have been first used about the thirteenth Century to denote the disease as we now understand it, and as distinguished from Rheumatism, with which it was long confounded. It has always attracted much attention not only from its own intrinsic importance, but from the circumstance of so many illustrious Personages having suffered from its attacks. Bydenham who himself suffered from it has given a most graphic account of its Paroxysm.
Arthritis was the term applied to it by the Greek Physicians. They gave it also different names according to its seat or locality, Podagra, when in the foot, Chorea, in the Hand—Gonagra, Knee—Sciatica, Loin—Anagra, Shoulder—
Men were considered rightly to be more liable to it than Women, and Young Men addicted to Venery more so than Europeans who seem to have been free from it; though their indolent, luxurious lives might have been thought to predispose them to it. Celsus recognised the existence of tophaceous deposits on the hands of many contemporary individuals who were troubled with habitual constipation which is now well known to be another symptom of it.

Hippocrates' advice as to the application of Cold is now known to be wrong. It proved fatal in the case of Sir Francis Burdett, and Dr. Barry mentions two cases in which the sufferers attempted to cut short the fit by plunging
Their feet into cold water. The relief was
instant but in a few hours both died from
Apoplectic.

Luxury is often said to be the cause of
Gout, but this is not true in many cases.
Tydenham who was a druggist to it was
a very abstemious man, probably hoping
by this to overcome a hereditary taint
in his constitution. It is undoubtedly
hereditary but not so purely as many have
said. Bullen for example, who however says
that it may be acquired. It may pass over one
generation and attack the next and become
in many families to confine itself to
the males, the females being exempted. One
of the best marked cases I have seen was
in a Lady who had well developed chalk
stones on the knuckles of both hands.

Dr. Garrod "could trace hereditary transmission
in 50 per cent of his Hospital Patients." In
women it occurs usually after the Catarrhal
traces ceased and generally is less severe than
in men. This they probably owe to the
greater purity and abstemiousness of their
lives. They owe it also to the constitution of their blood which is somewhat more watery than in man. Seneca speaks of it as a pulmonary disease amongst the Roman ladies, ascribing it to their "luxurious living and to the debaucheries in which they indulged without control." Youth is generally free from it, at least it is said "ill they indulge in venery." Cases have been known as early as 8 years of age but the most common age at which it makes its first attack is from 30 to 45. But frequently it manifests itself soon after the completion of growth. When met with in early life it will most probably be hereditary, at a late period acquired. Probably as many cases some concurrent cause is necessary where the hereditary taint is slight, for many persons who have many of the signs of a Gouty diathesis never have a regular fit of it.

Occupation has much to do with it in many instances. The learned anxious student will often suffer. Sedentary and
eas, at works, sitting up late at night "burning the midnight oil." At 47 years old Johndun was blind from gouty chronnitis, 20 years after he died of it. In his case it was most likely hereditary, he was born (according to some accounts at least) and spent many years of his life in a district where it is common to this day, as I have myself seen having spent some years in the neighborhood.

Temperament has considerable influence on gout. If we come to say of a man suffering from gout, "He is a subject of gout" we should not be credited. It occurs however in all kinds of temperament. Dr. Largente says that "acute atheneic gout attacks those of a lean," "juvenile complexion tending to a little corpulence," "whites atheneic gout attacks the bellicose and those who are rather spare than stout in their bodies." Callin, speaking more generally without distinction of atheneic or atheneic gout, says it "attacks especially those of robust and large bodies, men of large hands, of full and conical habit" and whose skins are covered with a thickerrete of cutaneous which gives a
"Coarser surface."

The influence of fermented and distilled liquor is a most frequent cause of the development of this disease: But the effects of the two are somewhat different. Distilled liquors of taken alone have not so much power in producing Gout. Whisky for instance does not induce Gout but Wines, Alum and Potters are more apt to do so. Wines are more potent for its production than Alum and Potters.

Hence Gout in an acute form is rare in the London Royal Infirmary, in fact almost unknown and several of those cases which have been seen there were instances of our poor English gentlemen servants, the Bell-drinking habits of the City being too well known. In the London Hospitals it is more common. Dr. Bedd says "There is a" "body of men employed in the Thames whose " "occupation is to raise Ballast from the bottom of the River. As this can be done only when the tide is low those hours of occupation are " "regulated by that circumstance, and vary this every period of the night and day. They work"
under great exposure to the inclemencies of the weather, their occupation requires great bodily exertion, occasioning profuse sweating, and much exhaustion. Each man drinks from 2 to 3 gallons of Porter daily and generally a considerable quantity of spirits beside. Gent is remarkable frequent amongst them. This differs greatly from the usual prophylactic effects as called by hard labor. The Seamen, Soldiers, and Seamen serving to enjoy in a great degree exemption at least from the usual parasitical forms of this Disease, and when they indulge in horsemanship habits, they do not suffer so much from Gent as from diseased Kidneys. One of the worst cases seen I have known was that of a Seaman who had served as Captain von Bering's Continual on the Arctic Expedition. He was a man of syphilitic habits by no means intemperate indeed during his sojourn on the Sea he was a路程artist, and bore very decided testimony to the advantage of abstinence under the severe Climax of the Arctic Regions, Dr. Shaler & Bergland especially with
rich highly acetylated food are very prone to excite Gouty Attacks. Cider also finds its way into
most modern beverages or Cider, it being a
country drink that there "is no food like
holy water". Distilled Liqueurs are reputed
to cause gout partly because they contain
Liquors—potent drugs of Birschfield—or
also the Acids of Murex Liqueur, Murex of
Wines. These Liquors, which cause least de-
composition of the Stomach and act most on
the Kidneys agree better with Gouty Subjects.
Severe Study of Mental Stimulation seems
to act by causing Dyspepsia.

Venereal[+]cipes are especially prejudicial,
particularly when there is also a tendency
to Tuberculous disease of the Lungs.

Gout according to some old Writers was
the offspring of Venere Bacchus.
Climate has some influence also in
Gout, it is said to be unknown in China,
Japan, and Turkey, but has not done
thing to do with this? Have been forbidden
to the Turks, and their food being chiefly 
vegetarian, large quantities of Fruits and 
Vegetables being eaten by them.

Gout is more common in Spring and the 
End of Winter, January and February in 
England (Christmas festivities having per-
haps something to do with this). The trans-
erusion by the Skin is at its Minimum.

In the hot months of Summer first 
attacks are seldom seen, though Autum-
nal Fits after previous ones in Winter are 
not infrequent.

It is said that Lead poisoning has some 
influence in predisposing to Gout, Lead 
preventing the Elimination of Uric Acid by 
the Kidneys. Metallic poisoning gives rise 

to pains in the extremities, those exposed to 
Mercurial Vapors suffer in this Way.

Dr. Garrod says, "one fourth of his Cases were 
Painters who had suffered from Lead Colic," 
there is an increase of Uric Acid in the Blood 
whilst a diminished amount is eliminated by 
the Kidneys. Painters as a class are often in-
temperate, and at the same time subject to
preparation from the vicissitudes of their occupation—which is often spoken of as a farmer's trade—employment being much more precarious in winter than in summer.

It has been remarked that lime applied to the soil produces gotzburg, which is certainly not uncommon amongst the agriculturalists in the Chalk districts of the South of England. But it probably arises from other causes, and the remark had perhaps some relation to the idea that the gouty concretions were of a chalky nature.

The most common causes of gotzburg, aside its hereditary character, may be said to be—1° indulgence in alcoholic drinks, especially fermented liquors, when pains in the joints follow excess in wine or Malt liquors. They are probably gouty. 2° Overloading the stomach with abundant food, animal food often highly seasoned or difficult of digestion. 3° Cold and moisture, wet feet checking perspiration will often bring on an attack of gotzburg in those of an asthmatic constitution. 4° Late hours, severe bodily or mental exertion and fatigue are
all exciting Causes. 5. Local injuries a
strained ankle or knee may become the seat
of Gout. Hence the patient in first attacks
especially, often refers the pain to a strain,
imagining that he has unwittingly incurred
one. An old Gentleman whom I knew
would not be convinced to the contrary till
after repeated attacks he remembered
that his Father had suffered from Gout.
Hemorrhage through its depurifying power
may act as an exciting Cause, and again
in many Cases it seems to relieve a fit
of Acute Gout. 7. The arresting of an
habitual discharge or a hemorrhoidal
 Fist may give rise to Gout. 8. The presence
of some diseases as Boil or Carbuncle a
Crasis leading to increased acidity in the Blood.

The leading Characteristic of the Gouty
Diathesis is the undue Formation of Uric
Acid. The idea seems to have been first
propounded by Dr. Chalmers Forbes. Dr. Gout
ascribed Gout to undue agglomeration of Albu-
minous Matter. Bartholomew ascribed Gout
to the retention and accumulation of Phos-
phosphoric Acid, and its diffusion through the body. Dr. Garrod has since confirmed the statement of Forbes and proves it experimentally, as follows: "Take a little serum of the blood supposed to contain Uric Acid, say 30°, put it into a broad flat glass dish (not a watch glass) about 3 inches in diameter and 1/3 of an inch deep. Add Acetic Acid at the proportion of about 1:75 to each 1/3 of the serum, a few bubbles of Gas are generally evolved at first. When the fluids are well mixed a very fine thread is introduced consisting of from 1 to 3 ultimate fibres from a piece of unwashed linen fabric about an inch in length which should be deprived by means of a glas. rod. After resting from 18 to 24 hours depending on the temperature at or below 70 degrees of the atmosphere, the Uric Acid will crystallize upon the thread. To observe this a microscope must be used with a linear magnifying power not below 60. Dr. Garrod also found Malic Acid, Oxalate were also found in the urine, and Oxalate of Lime has been detected in Goat's ashes.
There is a brick or sand-like deposit in the urine indicating formation of excess of Uric Acid. Urea, which should be removed by the kidneys remains in the blood of Gouty subjects not being eliminated in consequence of failure of the Renal function as the disease advances. Food influences the amount of Urine acid excreted it being largest when a diet of animal food is used. Lehman says "that when he lived on Vegetable food, alone he excreted 15 grs of Uric Acid daily, on mixed Vegetable and Animal food 17 grs, on Animal food alone 21 grs," but there is probably some error in his statement, as he passed double the amount of Uric acid usually estimated. Exercise and Respiration lessen the amount of Uric Acid.

Marked derangement of the Stomach acidity and flatulence usually precede an attack of Gout; in addition to these irregularity of the Heart's action, Hypochromia, giddiness, and precursors. A peculiar "Aura" like a sheet of ice over the face, or trembling motion as in
Palsy. Sometimes a little muscular movement in the Shoulders is an antecedent. The Victims are liable to Urticaria, Eczema, nodosum papillatum, Herpes, Erysipelas, Leprosy or Psoriasis, more frequently the latter deposits of Ophthalmic Ysoma. At tendency to Congestion of the Liver and Kidneys, a stupid condition of the Bouch as remarked by Galen. Hemorrhoids, hemorrhage from the Bladder relieves the severe symptoms as it staves the progress of the Gouty influence, and considered by some as indicating the propriety of Venesection. Nodosities of the Joints especially of the fingers and toes, Rubenou says they are mostly seen in the middle and ring fingers. Such Persons may have had a fit of regular Gout but there are all terrors of the Gouty Death, and useful in Diagnosis. Deposits from Gouty blood in the sheaths of Tendons or Synovial Membranes of Joints found chiefly in Persons in the upper decades of life, deposits in other parts of the body e.g. in the lobes of the Ears (as seen in the Perivascular Inflammatory Gait) which are true
tophaceous deposits—Urals of Soda or Chalk Stones. There is a tendency to fatty degeneration or to fat in these Persons: the Arcus Senilis at the margin of the Cornea & Sclerotic, often degeneration of Blood Vessels. Females apt to be affected with Utterine Disease who suffer from Gout. (Reidy and Todd).

In Acute Gout, Sydenham's description is well known and need not be repeated here. The Patient in ordinary or even better than usual health, having been previously dyspeptic is awakened by severe pain most frequently in the great toe—at least in first attacks—can scarcely bear the weight of the Bed clothes. Frequently changes his position seeking ease. With the Pain a sense of shivering & Cold, after wards burning or Bubbling Pain with some blamaten in a few hours perhaps the Patient may fall asleep. The perspiration not so profuse as in Rheumatism. The toe as first not much altered, but there is soon swelling, depressed shining or slen¬dery appearance. Great tension, tenderness
and exquisite pain. Veins distended and as first red by and by have a lived appearance. The prominence of the veins seen in Rheumatism but not so well marked as in Gout. Sometimes the symptoms permit till evening, again become more marked, and recur next day. Generally improved on the second day. The pain and constitutional disturbance may suddenly terminate by hemorrhage taking place which delivers the system. Metastasis may also take place which though doubtful in Rheumatism is certainly true in Gout—Urine scanty, dark, colored usually deposit a sediment of Tartar Acid. Bourses confined, severe cramp in the limbs. As the attack declines the itching becomes almost unbearable. The joint continues tender for a time and desquamation takes place. Asthenic Gout is not accompanied by these marked symptoms.

Seizure of Gout—the hall of the Gout toe is the usual seat at least in first cases. The joint which is attacked instead is one which
has been injured or disabled previously. Next the Ankle Joint, the Instep, the outer side of the Foot, the Tendo Achillis, and the Knee. In all who suffer repeated attacks the upper extremities are the last affected. The agony is intense and is more to as the disease approaches the Tongue. The Redness is often of a deep fiery hue, there is stiffness or pressure. Edema is not a character of Rheumatism but is a marked feature of Gout. The appearance of the desquamation being in ratio to the intensity of Tension and Redness, it is most decided on the hands and feet. The itching during Gouty inflammation never terminates on Suppuration, though it looks to an ordinary observer as if it would. Suppuration may occur with Suppicious deposit through irritation of the foreign matter when it is of course secondary.

There is no fever in Gout. The fever in Gout is symptomatic, the articulas affection preceding the Constitutional. It tends to return, in some cases there
may be only one attack, but this rare, the second follows the first at an interval of 20 to 24 months, and succeeding ones at continually shorter periods. As the attacks become more frequent the disturbance of the system is more general. There is a tendency to travel upwards and when a case is met with in the hands it is seldom a first attack. State of the mind—Irascible, petulancy, disposition, great play of fancy, and greater mental capacity and capacity for mental work. In our Senators, after an emotional display of ability in debate, we frequently feei announced that Lord— or—was unable to attend in his place being detained by a fit of gout. In his residence of the digestive powers remain impaired there is danger of a return of the attacks.

Every degree is attended by permanent local mischief; though far an irregual fit of gout to become regular, so voluntary for the patient, as the digestive and circulatory functions may be restored by it. Dr. Watson says—"At the early crisis of gout are generally followed"
by a striking change for the better, it is not to
be wondered at if the disease on its removal
and decided force should be wished for
and soon cured. It is commonly thought
that a jet of Goat clears the system of all
other disorders.

Men repeated attacks occur the
effused fluid laden with impurities only
completely absorbed. Ecretion, retention
remain, Chalk stones are formed and al-
ways increase in size after each attack.
Chalk stone is not a correct term they are
not deposits of Chalk but Carbonate of Lime,
with in most cases Phosphate of Lime, Carbonate
of Lime, Tophaeous deposits in a
pure correct name.

According to Dr. C., diseases the distinction
between Feal & Chronic Gout is more in
name than real arbitrary after all.

Life severe pain but more lasting, the
latter produces more derangement of the system.
The subjects of it are peculiarly dyspeptic and
liable in a greater degree to what are called
the Segures. With a tendency to inflammation.
instead of 

instead of Expectation as Acute Gout, 

of several articulations, or attacked in 

Chronic Gout there is not so great de-

rangement as when it is stationary. It 
seldom remains long in one place 
without entailing great disorganization. 

Often a complete Anesthesia of Joints. 

Deposits of Urate of Soda in various situa-
tions; these white deposits are found in 

no other disease. They vary in consistence 
sometimes at first so thin as to resemble 

Milk, the Microscope showing numerous 

Acicular Crystals with a few blood Cor-

puscles in a clear fluid. This white matter 
is soluble in warm water. If a little of it 

be heated with a few drops of nitric acid it 
then exposed to the Vapors of Acetic acid, a 

beautiful purple Color forms besides precipi-

tate. The concretions become firm as the fluid 
is absorbed and when analysed are found to 

consist of Urate of Soda, Urate of Lime, a Chloride 
of Soda, sometimes Phosphate of Lime + Carbonate 
of Lime. In some Calculous deposits take place 

instead of these Concretions in others both are found
The blood corpuscles are not necessarily altered in Gout; they may remain in a normal proportion to form. In debilitated states of the constitution they are found diminished in quantity and altered in form. The Fibrin is altered in proportion in Gout as in all blood diseases. Its normal proportion being 2 to 3 in 1000 in Acute Gout is 5 or 6 in 1000 with little or no change in Chronic. The Serum is not altered in specific gravity being normal, but lower where there is albuminuria with disease of the Kidney. The presence of uric acid has been alluded to before; the Kidney may fail to remove this when readily removes Urea.

In the mortified Anatomy of Gout these Changes are particularly noticeable. The Affection of the Joints and the Affection of the Kidney first described by the late Dr. Todd and known as "Todd's Gout." Ankylosis or more frequently partial Ankylosis of the Joints from deposits of white matter in them in some cases like plaster in a soft state. In other cases
there may be deposits without any appreciable deformity, the deposit extending only
to a slight degree in the Cartilage. To determine the Chemical Character of this
deposit, defeat the Cartilage in Warm Water, and by the Tests before detailed you will
prove the Existence of the Urate of Soda.

Change in the Kidneys. The
Coincidence of Soft and Gravel has
been long recognized. Dr. Todd first
described the Gouty Kidney. The organ in
this case is always contracted often 1/2
or 1/3 its normal size. The Capsule is
thick and opaque. Dr. Bright called
it granular because of its granular ap-
pearance. On section the Cortical
substance is seen to be much wasted,
the Pyramids reaching almost to the sur-
face of the Organ. Considerable deposits
of white Chalk-like substance in the form
of patches or white lines in the direction
of the Fibres in the Pyramidal portion, and
found also in the Cortical substance at the
termination of the Cones in White down-like
They all consist in great part at least of Urea of Soda which is sparingly soluble in Water and if you evaporate Crystals will be formed. When the Kidneys are affected the Urine becomes albuminous. We also find tubular casts of two kinds, granular, as long as Epithelium is secreted, afterwards dense fibrinous casts when this has been entirely thrown off.

Gout plays an important part in many cases of irritable Bladder, Cystis, Congestion, Phlebitis, and even Bleeding from a Violent Epistaxis have been traced to Gout. Syphilis, Eczema, Pernicios is often espoused jointly in their nature, Urea has been found in the fluid of Bulla. Many painful cases of Dysmenorrhea have arisen from the same source. The altered condition of the Blood acting on the Brain occasions many serious disorders, Angiemy, Paralysis and Symptoms connected with irritation of the Spinal Cord Epilepsy, &c, and the treatment will be successful unless this origin be kept in view.
Various reasons have been assigned why the great toe should be specially attacked. Perhaps as in Gangrena Fibrilaris which usually begins on the lower extremity, the matter which obstructs the vessels being determined to the most dependent part, so in Gent the sphacelous deposit having found its way to this like remanis and produces in characteristic irritation. Afterwards as the exudate material accumulates other parts are invaded.

Then it has been observed that in the great toe the tissues are little vascular, and the whole weight of the body being supported in some measure on this joint, it must often be weakened & liable to injury – we have seen that a debilitated or trammeled limb is often the seat of the Disease – But there is probably an elective affinity of the part for the Disorder. There are certain powers which affect certain structures or organs as Syphilis the Spinal Cord, Ophagus the Brain. Numerous joints may be afterwards attacked when the toes are
Anti is increased and each fits leaves
them weaker and more liable to fresh
invasion. Dr. Budd says "If there be a"
certain quantity only it may settle in
some favorite locality or congenial spot
on one side of the body. If there be more than
enough to saturate that part it goes next to
the corresponding spot on the opposite side, or
perhaps to an analogous part of the limb on
the same side. If there be still more of
the poisonous matter it flies to and occu-
pies other parts also." He further shows that
the elective affinity is more exclusive and
the bond of union stronger in respect of some
morbic principles than others. And as the af-
finitive is weak so is the local manifestation
of this disease apt to shift, by metastasis
from place to place.

Treatments: The discovery of the power
of Colchicum in Gout has imparted a degree
of certainty to its treatment to which our
forefathers, new strangers, and the belief
in the salutary effects of a fit of Gout, has
gradually given way to the knowledge of
safe and efficacious remedy. Heberden hoped for such an event, and his expectation has now been realized. It is surprising how long this was foreboded before any certainty was attained. The Ancients and Colchicum with confidence and success, under the name of Hemmodactyl, but medical science seems to have undergone a long eclipse during the dark ages. Many modern discoveries so-called—being only old Truths long buried under Ignorance and Deceitery.

This remedy in its action is Catarrhatic, irritable, diuretic, and specific in Gent. Many think it acts best after its purgative effects have been produced, others do not think this necessary. The chief physiological actions are Colicky pain, frontal headache, purging, sickness, and fainting. I knew an athletic man who was so frightened by a very moderate dose twice precipitated in about 8 hours—that he completely fainted away. When its physiological effects are produced it should be dis-
continued. Its mode of action is still uncertain. Some say that it acts by eliminating Uric Acid, or Graves that it prevents the formation of Uric Acid in the blood. Dr. Baycroft suggests "that it may have a sedative effect on the vital actions going on in the figures themselves and to arrest the formation of the joint poison." It makes the Urine alkaline in some cases and this may influence its action. Patients themselves highly value its power in relieving the pain of Gout. Many Greek medicines of undoubted efficacy owe their powers to it.

The dose should be carefully regulated by the nature of the fit and the Constitution of the Individual. 30 to 3, Urethahirc, as a draught at bedtime with some aromatic and if it act exceptionally, in the Bowels a few drops of the Spirit of Opium. Care should be taken that too great depression is not produced—as in the case named before: diminish the subsequent doses to 15% or give one full dose at bedtime only. There is in some cases cases a tolerance of the remedy and here the dose should be cautiously
increased. The Eux. Colch. Acet. is a useful preparation in doses of \(\frac{1}{2}-\frac{1}{20}\) of a grain. It may be combined with Iron or with Eux. Alum. Aquae.

If necessary, the Venom. Veratrum has been used where Colchicum disagrees but is not so efficacious. It was thought that Colchicum acted too powerfully, to the same alkaloid as Veratrum, but this is now known to be incorrect. In Chronic Gout, Colchicum should be given in repeated small doses. Iodide of Potassium is useful where there is any Mercurelial or Supposititans, but in small doses—so if—It will be found beneficial when pain increases the pain. The Alkaline Salts, and especially Lithia, which forms soluble salts with Uric acid. The Leaves of the Common Ash have been used, 3 oz. boiled in a pint of Water. In many parts of England the "Key" indeed Vepnels are a popular remedy for Rheumatism.

The Ferri Carb. Sach. is particularly useful in Atonic Gout where there is fever with a deficiency of Red Corpuscles in the Blood. Edema is a common consequence of Gout, lasting after the acute attack has
disappeared, owing to weakness before causing local debility, then Elastic Stockings, gentle friction & elevation of the limb should be used. In cases of the Truncus, warm or vapour Baths and dry Cupping. Friction on the long process movements of the joints must be resorted to, and in cases of Blistering a small Blister or Painting with Iodine over the surface. Sometimes pemmises over the parts where the Cremay deposits is advancing to the surface. The chalk stones cannot only be interred with in this way, the incision being made. Exercise should be moderate regular but not fatiguing. Freedom from mental Deceitement or Eccentric should be enjoined. Local Bleeding may be allowed to relieve inflammatory Symptoms but General Bleeding is more seldom attended. Various Mineral Waters according to the circumstances of the Case, may be useful but are not advisable when the attacks is imminent.

Various Irregular Forms of Seat might be named as Retrocedent or Metastatic. Marks, misplaced. Various organs are apt to be affected either by Functional Derangement or Organic
Structural Change. Gout is the cause of and associated with many local ailments of an inflammatory nature, these are called misplaced or perhaps better metastatic Gout.

Prolonged or Metastatic Gout. A person has had an attack of Acute Gout say in the great toe, and suddenly the inflammation returns, and some profound functional derangement becomes established in the stomach or some other internal organ, with great pain and rapid diminution of strength. Here stimulants and external applications of mustard in warm water to the feet may succeed in bringing back the Gout to its former seat. If the feet have been attacked it may terminate in Gouty Arthritis.

Sypneptic Symptoms are usually accompanying Gout hence the great importance of Regimen and Diet. We have sufficiently indicated the importance of these before. It only remains to conclude to notice the chief points of distinction between Gout and its Congener Pleuricatism.

In Gout the small joints are chiefly at first affected — in Pleuricatism the large
The greater brightness of the gouty inflammation.

The convulsions of pain more frequent and complete. The turidity of the veins with oedema and the subsequent desquamation common in gout are not found in rheumatism. Gout usually affects a single joint.

Rheumatism often many at once.

The presence of chalk stones in gout.

The acid excreting sweat do not occur in rheumatism, which are absent in gout.

Gout too is more decidedly hereditary, and is often the safety valve of the living, whilst rheumatism too often afflicts the poor man and embitters his lot. The large number of laborers thrown on the charity of the world, enabled through their stepped limbs to earn their bread show this too plainly.