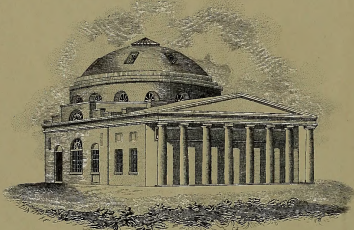


RECORDED
JAN 15 1941

LIBRARY
OF THE
School of Medicine



University of Maryland

University of Maryland Theses

Early Doctor of Medicine and Doctor of Physic Dissertations with
Corrected Tables of Contents

These manuscripts described as either an Inaugural Dissertation or an Inaugural Essay were presented to the University of Maryland for the Degree of Doctor of Medicine and/or Doctor of Physic during the years 1813-1887. The individual dissertations were bound together during the 1940's. The original tables of contents for the bound volumes contained multiple errors in authors' names, titles, and/or years. To address these errors, an additional "Corrected Table of Contents" has been inserted at the beginning of each volume.

The project team who investigated and corrected the tables of contents were Richard J. Behles, Historical Librarian/Preservation Officer; María Milagros Pinkas, Metadata Management Librarian; Angela Cochrane and Carol Harling-Henry, Resources Division; Sarah Hovde, Abra Schnur and Megan Wolff, Services Division.

These dissertations were digitized in 2011-2012 and are available at the UM Digital Archive (archive.hshsl.umaryland.edu) and the Internet Archive (www.archive.org).

Clark, J. Cook	Theses, 1813-1887
Edgely, S. Paul	Theses, 1813-1887
Chil, Francis A.	Theses
Lilly, Perry A.	Theses
Kaiser, Oswald	Theses and Dissertations: Effects of Alcohol on the Human System
Ward, Gust V.	Theses, 1813-1887
Gallinger, John	Theses
Lynch, Thomas A.	Theses
Hemmens, William	Theses

(CORRECTED TABLE OF CONTENTS)

UNIVERSITY OF MARYLAND

THESES

1847 (b)

Author	Title
King, Vincent D'Olivieria	Pericarditis
Hall, J. Thomas	Phthisis Pulmonalis
Sperry, J. Austin	Phthisis
Hamilton, Summerfield P.	The Circulation of the Blood
Baldwin, Abraham S.	Pleurisy
White, John Randolph	Acute Pneumonia
Middleton, John D.	Acute Gastritis
Webster, Richard Henry	Intermittent Fever
Thabot, Lawrence T.	Phthisis Pulmonalis
Fowler, John Edward	Acute Hydrocephalus
Ward, Napoleon B.	Stricture
Elisha, J. Cook	Purpura, Hemorrhagia
Ridgely, B. Rush	Phthisis Pulmonalis
Clift, Francis A.	Dysentery
Lilly, Henry A.	Scarlatina
Keller, Daniel	Injurious and Pernicious Effects of Alcohol on the Human System
Ward, Oscar V.	Intermittent Fever
Galloway, John	Necrosis
Lynch, Thomas A.	Cephalagia
Hammond, William	Pneumonia

UNIVERSITY OF MARYLAND

THESES

1847 (b)

King, Vincent ^{D'Oliveria} Dee.	Pericarditis	30p.
Hall, J. Thomas	Phthisis Pulmonalis	29p.
Sperry, J. Austin	Phthisis	24p.
Hamilton, Summerfield P.	The Circulation of the Blood	6p.
Baldwin, Abraham S.	Pleurisy	21p.
White, John Randolph	Acute Pneumonia	24p.
Middleton, John D.	Acute Gastritis	14p.
Webster, Richard Henry	Intermittent Fever	25p.
Thabot, Lawrence T.	Phthisis Pulmonalis	35p.
Fowler, John Edward	Acute Hydrocephalus	16p.
Ward, ^{Napoleon} H. B.	Stricture	22p.
Elisha, J. Cook	Purpura Hemorrhagia	18p.
Ridgely, B. Rush	Phthisis Pulmonalis	46p.
Clift, Francis A.	Dysentery	17p.
Lilly, Henry A.	Scarlatina	28p.
Keller, Daniel	Injurious and Pernicious Effects of Alcohol on the Human System	17p.
Ward, ^{Oscar} H. V.	Intermittent Fever	31p.
Galloway, John	Necrosis	28p.
Lynch, Thomas A.	Cephalagia	19p.
Hammond, William	Pneumonia	31p.

781
Re 45

Page	Text	Text
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150

An
Inaugural dissertation
On
Pericarditis.
Submitted to the examination of the
Provost, Regents & Faculty of Physic
of the
University of Maryland
for the
Degree of Doctor of Medicine
by
Vincent A. Clinnia, M.D.

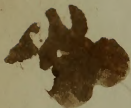
Baltimore Infirmary
Feb 1st 1847.

No. 1
The
Committee

of the
General Assembly

of the State of New York

in Session at Albany



January 1st 1833

Resolves

Preface

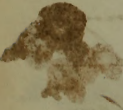
It is with pleasure and respect that I offer this humble treatise at the Shrine of my Alma Mater, replete as I am with anxiety and pride to be ranked among her distinguished Alumni; but from her Ministers I would crave a kind indulgence in the inspection of the humble fruit, I have collected with no little trouble for how ever insignificant the offering it is my mightiest.

On the score of originality I claim nought. Pericarditis I have chosen as my theme, and no one is better aware than myself how immeasurably the subject stands above the Capacities of him who has dared to Ocean it.

And to those that would censure my rashness or deplore my misfortune—

— I point to the language of the Poet
"Lamen magnum accidit aulus."

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is mirrored and difficult to decipher.]



Pericarditis.

The Pericardium (from $\tau\epsilon\rho\iota\kappa\alpha$ & $\sigma\tau\epsilon\rho\iota\alpha$ the heart) is a fibrous membrane derived its serous layer like the dura Mater. from the reflected serous membrane of the viscus which it enclosed. The fibrous layer is attached above to the great vessels at the root of the heart, and below to the tendinous portion of the diaphragm. The serous membrane invests the heart with the commencement of ~~the~~ its great vessels and is then reflected upon the internal surface of the fibrous layer.

This great fibrous serous membrane is frequently the seat of intense and acute inflammation, destroying ^{the patient} soon ~~it~~ suddenly, but much more common when (when its termination proves fatal), at a remote period.

This disease was entirely unknown - before the time of Jarvis. In 1826 M. Louis threw considerable light on the subject

1797
O. P. ...

The ...

[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page]

But the contributions of Stokes, Hoops, and Williams have brought it to its acme, and from a comparative obscurity, have made it to become one of the readiest-diagnosed, & best understood affections that our Nosological tablet presents.

This Pericardiac inflammation is - generally universal. Larocque states that it may also (altho' rarely) be partial and restricted having its seat but in a very limited portion of the sac. This Hoops seems to doubt, atleast he says, that the inflammation thus stated to exist confined to a small space of the membrane, cannot be proved to be of that Character, because the general symptoms and physical signs in that we have in ^{the} one instance, are precisely the same as those that are presented to us in the other, differing only in degree; and again since the adhesions in - universal inflammation may be partial provided the layers of lymph happen to have been only partial deposited.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Termoest. Latham, and other judicious investigators agree with Laennec in regarding those cases, where the Physical signs are confined but to a small portion of the Pericardium, and where but a slight amount of effusion takes place, as undoubted cases of local pericarditis.

Causes of Acute Pericarditis

Acute inflammation of the pericardium is liable to become excited by the same causes which give rise to inflammation in serous tissues. It is likely to arise as do all other inflammations after exposure to the disagreeable vicissitudes of weather, & consequently like the inflammations occurring in the serous membranes generally is much more common during the Autumnal and winter months than the other seasons of the year.

And occasionally when no exciting cause is appreciable, but Watson says (and so say all authors of greater ^{or} merit) that for one such case of pericarditis arising without any discoverable exciting cause

[The text on this page is extremely faint and illegible, appearing as ghostly impressions of handwriting.]

-We will find a dozen or more, where it is produced, brought about, and presented itself in connection with a case of Acute Rheumatism. It is indeed of such common conjoint occurrence with this disease that all writers who have closely and particularly investigated the subject, speak of its connection with Rheumatism after the manner of Halston.

Acute Rheumatism above all others is indeed its great producing cause.

Bonillaud mentions pericarditis as occurring from an attack of this disease in one half the cases that fell under his observation. Some very able and judicious ~~observers~~ authors have pronounced this statement of Bonillaud to be an exaggeration.

Making the proper estimations in favor of those individuals who suffer from an attack of Acute Rheumatism under fifteen years of age, have pericarditis taken place as the rule, and its absence the exception.

[The page contains approximately 25 lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the document.]

It is also very frequent caused giving rise to inflammation in the membrane ~~are~~ inordinate pressure together with the infliction of blows over the region of the heart. or inflammation induced by contiguity from the lungs or pleura and from this cause children are much more apt to be affected than adults or those that are older.

The other causes of Pericarditis which have been enumerated by authors, are first a sudden check of perspiration, and the cessation and suppression of habitual evacuation. Men are more subject to this disease than women in the proportion of four to one.

Dr Hope says the foetus in utero may be attacked with this disease, and that in children who have died in forty eight hours after birth, the adhesions between the pericardium and the heart were so firm as to lead to the belief, that Pericarditis had existed sometime before its birth.

I shall next consider its Anatomical -
- Characters.

The first part of the paper is devoted to a
 description of the various species of
 plants which are found in the
 country. The second part is
 devoted to a description of the
 animals which are found in the
 country. The third part is
 devoted to a description of the
 minerals which are found in the
 country. The fourth part is
 devoted to a description of the
 climate of the country. The fifth
 part is devoted to a description
 of the population of the country.
 The sixth part is devoted to a
 description of the commerce of
 the country. The seventh part
 is devoted to a description of
 the government of the country.
 The eighth part is devoted to
 a description of the history of
 the country. The ninth part is
 devoted to a description of the
 present state of the country.
 The tenth part is devoted to
 a description of the future of
 the country.

207

Anatomical Characters of Pericarditis
The Anatomical Characters of acute inflammation of the Pericardium are first, praternatural redness of the membrane, Second, The adhesion of concrete lymph, and, Third, Effusion of liquid serum within its sac.

Redness the first Anatomical Character spoken of, is rarely diffused over the entire extent of that portion of the membrane involved in the inflammatory process

It occasionally presents itself in spots ^{or} patches partaking of a scarlet hue and all of which have commonly a mottled appearance making it look as if it were covered with little spots of blood.

The thickness of the membrane is seldom augmented the false which adheres very intimately to it has been mistaken for thickening of the pericardium.

When acute pericarditis assumes the chronic form it loses its bright color and presents a brown or yellow appearance.

The first part of the book is devoted to a general
description of the country and its inhabitants.
The second part contains a history of the
country from the first settlement to the
present time. The third part is a
description of the principal towns and
ports of the country. The fourth part
contains a description of the principal
rivers and lakes of the country. The
fifth part is a description of the
principal mountains and hills of the
country. The sixth part is a description
of the principal forests of the country.
The seventh part is a description of the
principal minerals of the country. The
eighth part is a description of the
principal manufactures of the country.
The ninth part is a description of the
principal agriculture of the country.
The tenth part is a description of the
principal commerce of the country.

Redness alone is not an infallible evidence of a cute pericarditis. Since all membranes are liable to become congested from diverse different causes, unconnected & independent of inflammation, as happens from disease of the valves of the heart, interfering with the return circulation, also from dilatation and etc. etc.

Larocque observes that in some cases of intense inflammation of the pericardium judging from the thickness of the false membrane (revealed by post mortem examinations) very slight redness exists. Hope thinks redness is always present during life but disappears after death attributing every instance in which this remarkable phenomenon takes place to recent inflammation, the blood not yet becoming impacted in the great vessels.

The subserous tissue in this disease like the mucous membrane of the stomach in cases of Gastritis becomes pulpy & soft

[The text on this page is extremely faint and illegible due to the angle and quality of the scan. It appears to be a dense paragraph of handwritten text.]

- and is peeled or scraped off with unusual facility.

The pericardium like the serous membrane which lies near it (the pleura) when excited by inflammation undergoes the same change, its vessels secrete conjointly lymph and serum in a liquid state. Coagulable lymph is poured out upon the surface of the membrane, either causing the pericardium in default of absorption of the coagulable effusion to become agglutinated to the heart, thereby arresting the further progress of the disease: or adhesion being prevented (which next to absorption of the entire effusion both of lymph & serum is the most favorable termination) the concrete lymph becomes a secretory surface, and effuses an additional quantity of serum thereby increasing the distensibility of the inflamed membrane until in a short time the functions of the heart becoming embarrassed

Handwritten text, likely bleed-through from the reverse side of the page. The text is extremely faint and illegible due to the quality of the scan and the nature of the bleed-through.

- and its action from the inordinate pressure
being arrested death quickly arrives to
liberate the patient from his sufferings.

In respect to the adhesive process -
agglutination of the pericardium taking
place in some instances and not in others
much has been said by different observers
attributing as causes, in those cases in
which this adhesion is not effected,
an imperfect quality and organization
of the lymph, and also an unhealthy condition
of the patient. Although as is stated by
a very able and judicious author, this
may in some measure be good logic
nevertheless in all the negative cases
the principal cause and the universal
one is owing to the interposition of the
serous effusion, the serum preventing
the direct approximation of the surfaces
of the Pericardium. In consequence of
which the adhesion is often found to
occupy ~~only~~ together exist over almost the entire

Faint, illegible handwriting, likely bleed-through from the reverse side of the page.

extent of the pericardium, whilst some portion remains undissolved depending on the presence of serum for its nonadherence which portion Hope has discovered by careful investigation to be most frequent, is the space, situated between the base ^{of the heart} and origin of the great vessels.

The adhesion again the serum being absorbed does not always include the entire extent of the membrane. Although the inflammation may have been universal the deposition of concretions might be only partial.

The attached surface of the pericardium is smooth, but its free border is rough, pitted villous and irregular, which according to the fancy of different observers has been compared to one and other things thus Washburn makes it like unto a sponge seen in the butcher's stall, Larnac into the pits and depressions made by separating to pieces of wood which have

[The text on this page is extremely faint and illegible due to fading or bleed-through from the reverse side. It appears to be a continuous block of text, possibly a letter or a journal entry.]

been buttered and placed in contact, by
Corvisart its sectioned analogous to the
stomach of a calf. The exudation of
coagulable lymph upon the free surface
of the membrane varies from a line to
an inch in thickness.

The third Anatomical Character of
~~Pericarditis~~^{Peri}carditis the effusion of liquid
serum within its cavity

Serum is effused from the inflamed
membrane conjointly with lymph
and is sometimes found in considerable
quantity. The lymph concretes and
the effusion remains turbid & cloudy

The amount of the serum is extror-
-dinary variable, occasionally exceeding
a pint both Louis and Corvisart in
one instance found four. Dr Hope
in his admirable work on diseases of
the heart page 158 states that this liquid
effusion sometimes exceeds a pint
in 24 hours after the inflammatory

[The page contains several lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper. The text is too light to transcribe accurately.]

process has been lighted up, whilst in others this effusion is so small in quantity as not to prevent the surfaces of the membrane from coming in apposition.

The amount of this secretion is decidedly more copious at the onset of the disease diminishing as the violence of the inflammation subsides: and in some very severe cases there is no effusion whatever, whilst instead there is a free exudation of lymph which fills the whole pericardiac cavity, adhering the heart and great vessels to loose portions of the pericardium, permanently agglutinating the entire cavity.

In the majority of instances one or other of this state of things takes place either the liquid effusion is not absorbed a fatal compression ensuing, or there being an inconsiderable quantity of serum present, the liquid having undergone absorption, the pericardium becomes

[The text on this page is extremely faint and illegible, appearing to be handwritten cursive.]

firmly attached to the heart.

The Pericardium is sometimes converted into pus, this is generally the case in the Chronic stage, and in some very few cases pure pus is effused without any deposition of false membrane, In thirty seven cases of pericarditis Louis found that the effusion was serosanguinolent in five serous in nine sero purulent in fifteen and true pus in seven.

This serous liquid is generally turbid, occasionally lymphid, and sometimes tinged with blood.

We will discover upon a post mortem examination soon after the whole membrane becomes adherent to the heart, that the intimate bonds of connection are made up of lymph, in which a number of small vessels are ramifying of an uniform pinkish vascularity and having the appearance of blood stained.

A peculiar phenomenon observed in

[The text on this page is extremely faint and illegible, appearing as ghostly impressions of handwriting.]

-partial pericarditis is that it sometimes
 leaves no other trace of itself than four or
 five white and thick spots of different
 sizes. About the origin and seat of these
 Larnee and M. Corvisart disagree
 Corvisart entertained the opinion, that
 they show themselves, without their having
 existed any previous inflammation in
 the sac, and that they are situated beneath
 the serous covering of the pericardium.

Larnee on the contrary contends that
 they are the products of inflammation and
 that without inflammation on such things
 could exist, since an albuminous secretion
 cannot take place without it. and moreover
 remarks that their situation is upon the
 external surface of the membrane as
 he has been able to effect their removal with
 his finger. This is quite conclusive. Larnee's
 views are decidedly correct, and accord
 with the opinion of men of actor name
 -arch.

[The page contains approximately 25 lines of extremely faint, illegible handwriting in cursive script. The ink is very light, and the lines are closely spaced, making the text nearly impossible to decipher. The overall appearance is that of a ghosted or faded document.]

General Signs

The symptoms of pericarditis as described by authors are as follows, acute inflammatory fever (generally preceded by rigors) a peculiar expression of the features - indicative of anxiety and distress, which is not readily described but when once observed not easily forgotten, so strange and striking is this melancholic air, twice have I observed this distressing symptom in the wards of Balt. Infirmary (Cases Wheeler and Brown) this is attended with a severe shooting pain in the precordial region, producing stiffness in the left shoulder, occasionally extending down to the wrist. The pain is considerably augmented by inspiring fully, or by pressure exercised between the corresponding ribs, but more especially up the diaphragm the fingers being placed in the right hypochondrium under the cartilages of the false ribs - Bouillaud says this pain is strictly

The object of this paper is to discuss
the question of the
rights of the people of the United States
to a free press. It is a subject which
has of late years attracted much
of public attention, and has become
one of the most important in our
history. The right of free speech
and free press is one of the most
valuable and sacred rights which
our Constitution guarantees to the
people. It is a right which has
been the basis of our freedom, and
without which our government would
be a mere mockery.

- dependent on pleuritic effusion. both Andral and Louis have observed severe stitching pain in cases of pericarditis when there was an entire absence of any pleuritic complication. ^{but} Louis estimates that there is pain one half.

We next have as marking the true character of the affection inability of reclining on the left side, frequently the patient confines himself to one position which is generally upon the back (dorsal decubitus) with this above we commonly have palpitation of the heart the force and action of which in some cases assumes features which are diametrically opposed to those it presents in other instances. its impulse is sometimes strong throbbing and irregular, at others weak fluttering and irregular. In the onset of the malady, we have a frequent full and hard pulse, growing smaller less full and weaker as the inflammation advances.

[The page contains several lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the document. The text is mirrored and difficult to decipher.]

The pulse may be either regular or intermittent
in the latter case we may consider the lining
membrane (the Endocardium) involved in
the disease. The Endocardium like the
Pericardium is a serous membrane
and the Symmetry existing between ^{them} is
such that a generally received opinion
among medical men is that pericarditis
seldom or never exists independent of
inflammation in the lining membrane
of the heart (the Endocardium, and when
pericarditis is attended ^{with} endocarditis we have
a perceptible loss of the Arteries all
over the body, each action of the heart
causing the blood to pass swiftly and
violent under the finger making what
is called a jerking pulse, this peculiar
pulse is owing to Aortic Regurgitation.
To the symptoms above enumerated we
have an appreciable sense of weight
and uneasiness at the epigastrium, —
a dry cough, and accelerated respiration.

Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is arranged in approximately 25 horizontal lines.

Watson mentions delirium as an important
symptom (delirium independent of any
affection of the Encephalon) which is in
a low form sometimes presenting a mild
character, at others it is furious, and the
patient is wild and obstreperous.

Hooper mentions delirium as occurring
in the last stages of the disease.

Dr Macleod in the Med Gaz. mentions
three cases, when the symptoms of inflam-
mation of the brain, diverted the attention
from the heart (where intense pericarditis
existed) to that organ (the brain) which was
perfectly free from any trace of inflam-
-mation (as shown by post-mortem exam-
inations. Latham and Andral make
mention of similar cases. So that in all
cases of a severe inflammatory or febrile
character, we should observe the rules
laid down by Ellisston, viz to place our
hand on the precordial region as well
as pulse, and we will seldom or never be
blinded in respect to the actual lesion.

[The text on this page is extremely faint and illegible, appearing as ghostly impressions of handwriting.]

The rational signs of pericarditis may be entirely absent, the affection being latent in such cases without the assistance derived from the physical signs we must remain ignorant of the true seat of the patient's suffering. I next propose to review the Physical signs - belonging to this disease.

Physical signs.

When effusion is present in the pericardiac cavity to any considerable amount Percussion elicits a dull flat sound over a greater extent of the præcordial region than the natural state of things permit and which is always proportionate to the quantity of this effusion it may be distinguished from Hypertrophy of the Cardiac structure by the following fact that in pericarditis when the region of the heart is elevated respiration cannot be heard whereas in a case where Hypertrophy exists this is not observed.

The weather is very warm and sunny
and the wind is light and pleasant
and the sea is calm and blue
and the sky is clear and bright
and the air is fresh and cool
and the water is sweet and pure
and the land is green and fertile
and the people are kind and honest
and the government is just and fair
and the laws are good and wise
and the religion is true and pure
and the science is useful and true
and the art is beautiful and true
and the music is sweet and true
and the poetry is noble and true
and the philosophy is wise and true
and the history is true and true
and the geography is true and true
and the astronomy is true and true
and the medicine is true and true
and the law is true and true
and the politics is true and true
and the economics is true and true
and the sociology is true and true
and the psychology is true and true
and the anthropology is true and true
and the linguistics is true and true
and the philosophy is true and true
and the science is true and true
and the art is true and true
and the music is true and true
and the poetry is true and true
and the philosophy is true and true
and the history is true and true
and the geography is true and true
and the astronomy is true and true
and the medicine is true and true
and the law is true and true
and the politics is true and true
and the economics is true and true
and the sociology is true and true
and the psychology is true and true
and the anthropology is true and true
and the linguistics is true and true

It may also be distinguished from an effusion in pleuritis, from the circumstance of the percussions being confined to the shape of the heart in pericarditis, whereas in ~~an~~ effusion dependent on inflammation of the pleura ^{no} specific limitation is made.

We have in a vast proportion of Cases this dulness accompanied with a bulging out of the space situated over the heart. This circumstance was first observed and shown to pathologists by Louis; by Bouillaud and Andral this vaulting up of the precordial region taken in connection with the dulness & the preternatural dulness afforded by percussion ^{is regarded} as highly important evidence in making the character of the disease.

Percussatory Signs.

Percussion is of essential importance and satisfaction in diagnosticaling this affection, it makes clear to the attentive and intelligent Physician the precise amount of mischief going on within this hidden sac.

Handwritten text, likely bleed-through from the reverse side of the page. The text is extremely faint and illegible due to the quality of the scan and the nature of the bleed-through. It appears to be a continuous paragraph of text.

The ~~other~~ morbid sounds revealed by placing
your ear over the region, the hearts location
are two, distinct from each other, and depend
ing on very different causes, pointing out the
the diversities of operation and morbid
processes which are set work in this
portion of the tripod of life.

The first of this class of murmurs is almost
pathognomonic of, fibrillated, a sound
which has been described by Watson and
called a to and fro sound. Although to
Mr. Collin is due the honor of giving the
first clue to this important murmur,
which he described in the year 1834, and
compared it to the noise produced by the
beating of new leather ("Craquement de
Cuir neuf") Pichin Andral or Boulland
met with it prior to 1835. Broussais
attempted to describe this sound a little
later than Collin and made it like unto
the rubbing of parchment out, but to Dr
Stokes of Dublin is the medical profession

Faint, illegible handwriting covering the page.

1
principally and particularly indebted for
the active research he has shown, and
the able ingenuity, ^{with} which he has portrayed
and beautifully illustrated the whole subject.

This friction sound takes place from the
rubbing together of the surfaces of the
pericardium upon each other, the natural
smooth, and lubricated surfaces of the mem-
brane being roughen by the deposition of
coagulable lymph, and occasionally
this ^{mur} ~~murmur~~ is produced from another
distinct cause, which results from the
agitation of the serous portion of the effusion
between these roughened surfaces.

A vibratory thrill is frequently found
in connection with these murmurs.

Stoll observed it in five cases out of six.
This superficial to and for sound presents
a great many varieties of modification,
we may trace it from that soft degree of
attrition approaching the bellows murmur
or the rustling of silk, up to the harsh tones

[The page contains approximately 25 lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the document.]

produced by the rasping of a file or the sawing of a board. This remarkable sound is heard in the onset of pericarditis, before there is much effusion, or the effusion having undergone absorption, the roughened and irregular surfaces are permitted to approach each other. A distinguished Author has observed that when the effusion is slight, the *to and fro* sound is first commonly heard at the base of the heart. The diversifying character of this sound has been attributed to the amount and tenacity of the lymph, together with the semi intermingled and the force of the heart's action. Dr Williams says the attrition sound in well marked cases of pericarditis is almost always double or even triple, accompanying the systole and diastole of the heart. This peculiar sound is not of long duration, either the attack is ^{then} fatal the sound continuing up to the time of the patient's death, or the lymph having been absorbed

The pericardium becomes permanently
adherent to the heart, or this lymph
becomes changed into false membranes
which establish bonds of connection
between ^{the Pericardium} and the heart.

The other morbid murmur we meet
with in this affection, is denominated
the bellows or blowing sound, ^{was first}
described by Latham ^{in 1826} ^{noticed it in}
1826. This sound always denotes inflam-
mation of the Endocardium, depending
for its character upon the state of the valves
they being red, swollen, and sometimes studded
with the granulations or vegetations around their
~~for~~ borders. This bellows sound according to
Hope is only presumptive evidence and
an indirect sign of pericarditis, since it
bespeaks inflammation of the Endocardium
and some derangement of the valvular app-
aratus. Watson says when inflammation
sets up in the investing membrane, we
seldom or never have an absence of coexisting

The foregoing is a copy of a letter from
the Honble Secretary of the
Department of the Interior, dated
the 1st of June, 1880, in answer
to a letter from the Honble Secretary
of the Interior, dated the 1st of
June, 1879, in relation to the
land owned by the State of
California, and the same is
reproduced for the information
of the public. The letter is
reproduced in its original form,
and is not intended to be
modified in any way.

inflammation in the lining membrane.

Bonillard also expresses himself in a similar manner. However this may be all writers agree in making this connection very frequent. This peculiar murmur is produced by the passage of blood through the contracted orifices of the heart, and again by regurgitation through these openings, alike owing to their constriction; the valves in account of their swollen condition not being capable of performing their office.

This sound Watson denominates single a deep seated whizz or rush accompanying the systole of the heart. Latham and Hooper very strenuously insist that this murmur may be either single or double, that is may occur with the systole and diastole of the heart, the first murmur being occasioned by contraction of the aortic valve or regurgitation through the ^{tricuspid} mitral, and the second murmur in all instances says Hooper from the retrograde action

[The text on this page is extremely faint and illegible, appearing as ghosting or bleed-through from the reverse side of the paper. It consists of approximately 20 lines of cursive handwriting.]

Page 20

- of the blood through the aortic.

This valvular sound is frequently heard before the to & fr sound at the very onset of the disease. The explanation given of this truth, is this that commonly we have as a consequence of the inflammation in the early stage (as before noticed) an effusion of serum which thickens the roughened surfaces from each other preventing as a matter of necessity the friction, since its production depends on the apposition of these surfaces.

Whereas the bellows murmur depending for its existence on inflammation of the Endocardium (this being a complication of Pericarditis in an immense majority of instances) gives rise to this valvular murmur or bellows sound. Both the friction and bellows or sounds replete with the most unbounded interest, and their intimate acquaintance of essential importance to the conscientious practitioner of medicine

The following is a list of the names of the persons who have been admitted to the office of Justice of the Peace for the year 1850. The names are arranged in alphabetical order. The names of the persons who have been admitted to the office of Justice of the Peace for the year 1850 are as follows: [The following text is extremely faint and illegible due to the quality of the scan. It appears to be a list of names and possibly their addresses or other identifying information.]

I shall now attempt to describe the means
to be made use of in combating this
inflammation, and of radically supplanting the
diseased action.

The affection being clearly diagnosed
the first thing to be done in the way of
treatment, is to employ the lancet
Hooper and Bonilland, who have done
more for the disease than any others, recom-
mend as the first step, in the treatment
blood to be taken freely from the arm, and
the application of leeches to the præcordial
region, and after reaction comes on, unless
the pain be completely subdued, again
must the leeches and venesection be resorted to
it will occasionally require 3 or 4 general
bleedings. Bonilland, with an unwearied zeal
as is his custom; ~~as~~ over does the thing, using
the lancet blow, upon blow until he affects
what he calls the jugulation of the inflammation,
or I suppose the jugulation of his patient.
I strength, death ensuing as an inevitable

The main body of the text is extremely faint and illegible. It appears to be a formal letter or report, possibly discussing administrative or financial matters. The text is written in a cursive script and is mirrored across the page.

-consequence, notwithstanding Bonilland's
unparalleled use of the lancet, he deserves
Credit; for that ^{treatment} is decidedly preferable
to the expectant; the Statistical accounts
of intelligent observers prove.

Hope has seen a single topical applica-
-tion* used very freely cure Pericarditis

Purgation is a powerful adjuvant
means to the above measures. The
bowels should be kept open with Saline
or Hydragogue Cathartics. and among
the agents employed for this purpose
Sulph Mag. Tart potass & Soda, Comp Galic
pond. and Ext. of colocynth are the best.

In addition to these, Diluent drinks such
as Nitrate Potass, and the Cupertart rate
in ℥ij or iiii in a quart of water, should
be taken freely ^{by the patient}, nauseating
doses of Tart. Emetic, and the Tinct of Digitalis
10 or 15 grs 3 times a day, may be administered
with advantage. The other measures to
be employed in the treatment of this disease

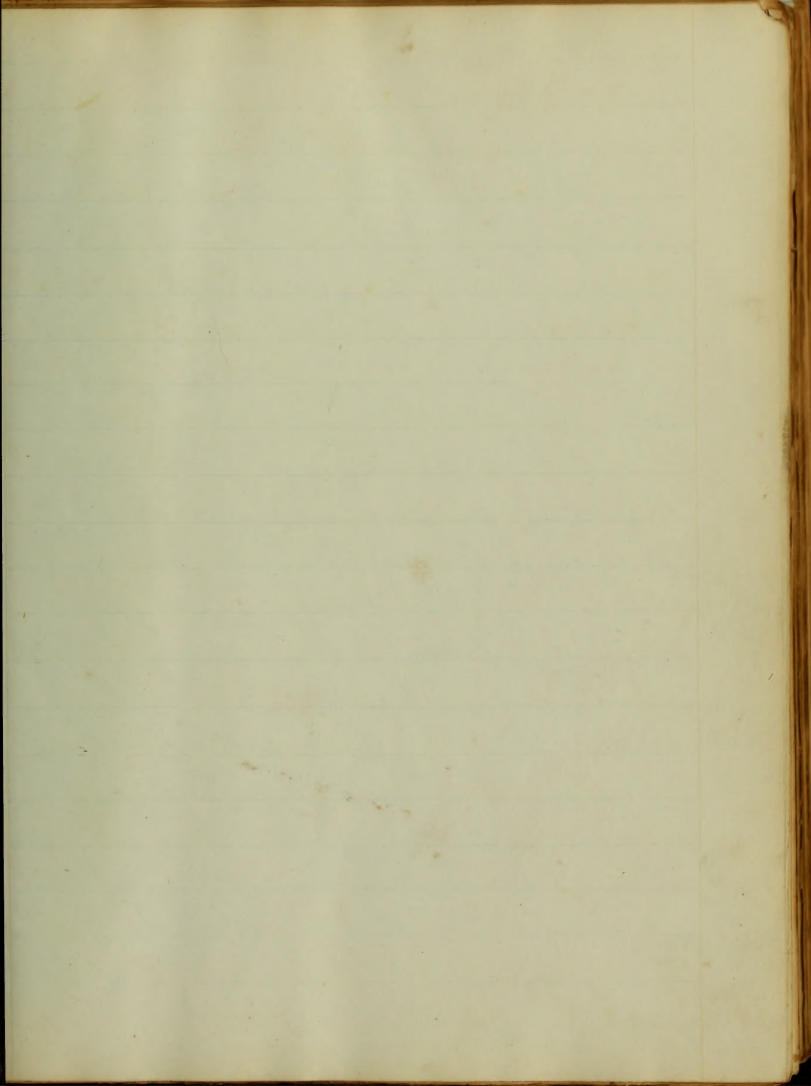
{ *^{2, 3, 4} 7 cups or leeches. }

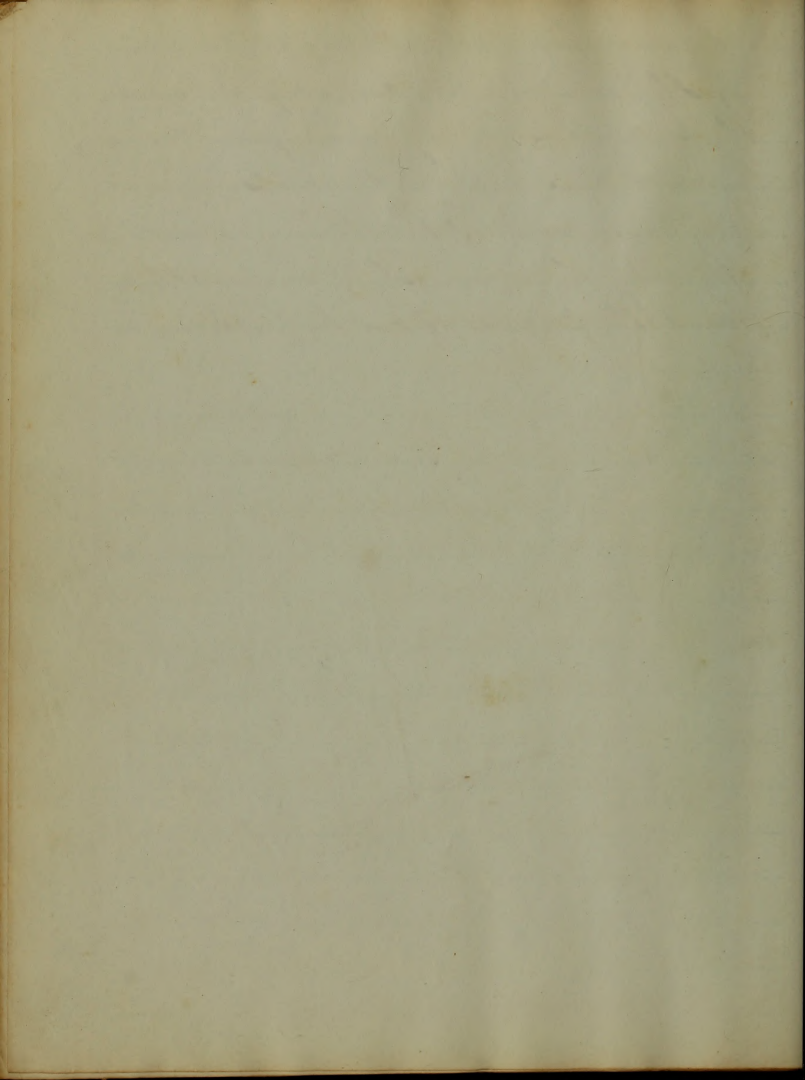
are more important than all the other
means combined. What we principally
dread is the formation of false membranes
connecting the pericardium to the heart.
and our object is to prevent these, by
the administration of the antiplastic
properties of mercury, Stokies, Hooper
Latham and others speak very highly
of this agent. Hooper gives Mercury in
the onset, 5 to 8 of Calomel or 10 to 15 of Hyd
commencing after the first-bleeding and
the use of a purgative. Latham pushes its
use still further, rubbing Mercurial Oint
in the Axilla and Groin.

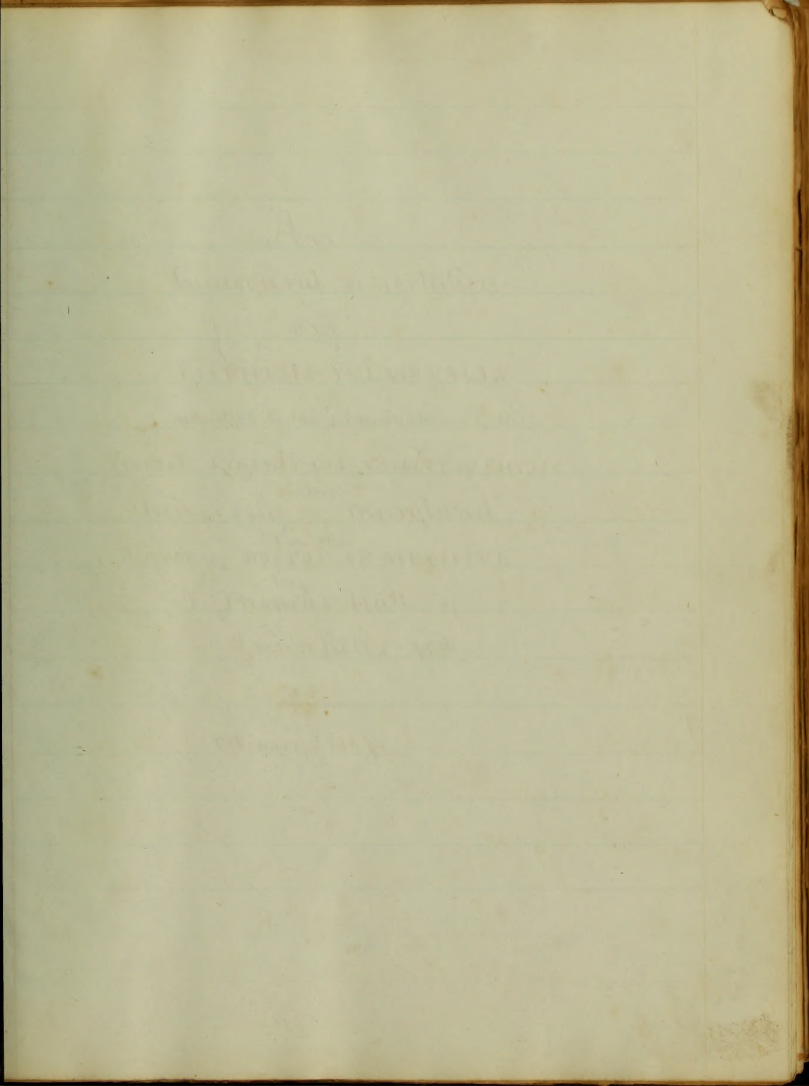
We should, keep our patients on the
strictest and mildest diet, and make
them observe the greatest degree of quiet.
Having pursued this plan 4 or 5 days
and after the first evidences of inflam-
-mation have subsided, we employ cups
to the praecordial region, following up their use
by the application of blisters. ~~then use~~

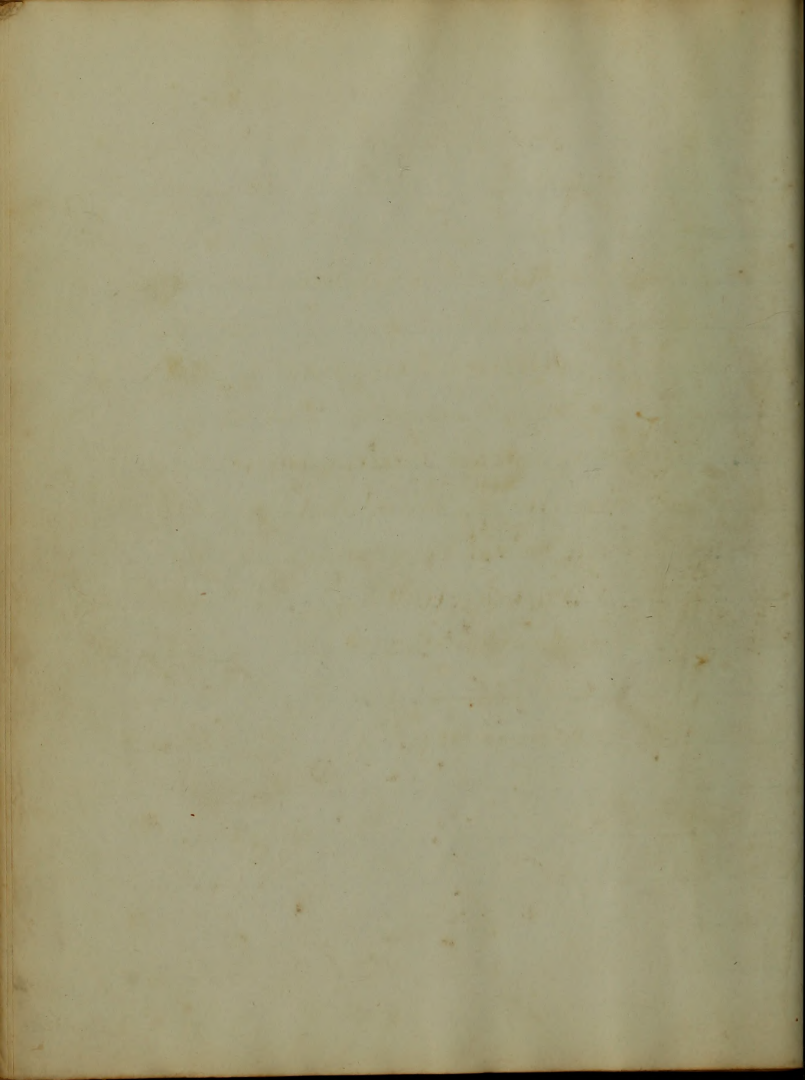
[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page]

Dressing them with Mercurial ointment.
If the treatment be employed, and
the patient properly managed, it will
in most cases suffice to resolve acute
inflammation of the Pericardium,
proving the triumph of our noble Art,
and the progress of our holy Science.









5

An
Inaugural Dissertation.
ON
PHTHISIS PULMONALIS
submitted to the examination, of the
Provost, Regents and FACULTY of PHYSIC
University ^{of the} of Maryland
Degree of DOCTOR OF MEDICINE
^{by}
J. Thomas. Hall, of
Annapolis Md

— February - 1847: —

A.

Handwritten title or header

1800

Handwritten text line

Handwritten text line

Handwritten text line

Handwritten text line

Handwritten text line

Handwritten text line

Handwritten text line

Handwritten text line

To

William Power M.D.

Prof. of Theory and Practice etc

This paper

Chiefly containing the fruits of his instruction

is

Very respectfully inscribed

2

11

William Brown, M.A.

Prof of Divinity and History at

the paper

relates concerning the friends of the institution

11

Very respectfully answered

PHTHISIS PULMONALIS.

Many and innumerable Treatises have been written on the subject of Phthisis Pulmonalis, but Bayle, Lannee and others have thrown especial light upon this most intensely interesting disease, and the only thing that devolves upon me is to follow in the footsteps of those, who have made it their particular study and delight in investigating this disease. Every one knows the importance of this disease. For it is one of the most fatal diseases that we have to deal with, rarely is it after the disease has once set in that the person recovers from its fatal grasp, it seems as if it was destined to be the conqueror of the different remedies of the physician. Phthisis is not to be considered a disease of the lungs only, for it is constitutional, affecting other organs besides the lungs. It is contended and I believe rightfully too that the generating of tubercles in the lungs is somewhat connected with the Scrofulous diathesis. Tubercles are composed of unorganised matter thrown off from the blood, of a yellowish colour, opaque friable and of about the firmness and consistence of cheese, This I

believe all pathologists have agreed upon as the genuine tubercular matter; it is generally deposited on the surface of mucous membranes and sometimes but not rarely among cellular tissue. It has been contended by some, that it is always of a round shape but this cannot be so, for it must depend altogether upon the tissue in which it is deposited, when deposited in the brain or cellular tissue, there being no inequality of pressure it preserves a globular form, but in the lung, the round form is sometimes real and sometimes apparent, it is real when the tubercular matter fills up a vesicle and therefore it takes the form of the pulmonary vesicle, and especially when the vesicles coalesce by the increase of deposit and compose one large mass; and the tubercular matter is very liable to increase in quantity by the continual accumulation of free matter of the same kind. The lungs are often found studded with a great many small granules of a firmer consistence, they are of a very firm consistence for it is said they are almost as hard as cartilage, semitransparent of a bluish-gray colour, they generally receive the appellation of "miliary granules" or the "granulations of Bayle", who I believe was the first who discovered their existence. A great variety of opinions are entertained in regard to

believe all pathological bone growth upon the fracture to
be a secondary deposit on the surface of the
bone substance and that it is always of a
secondary nature. It has been established by
Langerhans that this deposit is not a
deposit upon the surface in which it is deposited, but
rather in the tissue of cellular tissue. This being the
case of fracture it follows a cellular form, but in the
course of its development, not only the cellular
tissue, but also the tubular canal, fills by a
secondary deposit, and the form of the tubular canal
is maintained in the presence of deposit within
the canal. The tubular canal is completely
filled in quantity by the cellular accumulation
of the matter of the bone. The thing is often
found with a great many small granules of a
secondary nature, they are of a very fine
nature, they are almost as hard as
a diamond, they are generally seen in the
of cellular granules in the formation of
tissue in the first who discovered this
great variety of opinions are entertained in regard to

their nature, Laennec says they are a nascent tubercle and Sturval believes that they are some of the pulmonary vesicles rendered hard and solid by Chronic Inflammation; and Dr Carswell explains it in this manner, "The membrane lining the air passages secretes from the blood not only the matter of tubercle, but its own proper fluid; whence it happens that a dull yellowish point of tubercular matter becomes enclosed and set as it were in a small pellet of gray, tough semitransparent mucus". Whatever may be the theory in regard to these bodies, it is certain that they have an intimate connection with the true cheesy tubercle, and it is equally certain that they both occur in the same individual, in the same lung and in the same portions of the lungs, one is very seldom found without the other and they both belong to the same disease under consideration, to wit, Phthis Pulmonalis. It is remarked by Louis who I believe is admitted to be a very faithful observer, that the granules present, at a certain period of their growth, a central opacity. Dr Watson seems to think that Laennec's doctrine in regard to the relation subsisting between the gray, semitransparent granule and the yellow opaque tubercle well founded but he thinks

that Laennec was wrong in his statement that the softening of tubercles commence in their centres, but it seems to me that it is much more probable for them to commence at their centres and proceed to the circumference, than to soften in the reverse manner. When these tubercles soften down cavities are left which may cicatrize or become lined by a false membrane, these cavities are of different sizes but the average size is about as large as a pigeon's egg. Bronchial tubes opening into these cavities are generally closed up by lymph, in recent cavities they are lined oftener by soft mucous tissue but in the older ones they are lined by a true serous membrane; the bronchial tubes leading to a tubercular deposit are inflamed, ulcerated and often dilated. The seat of the deposit is generally in the upper lobes about the supra-spinal fossa of the scapula and the cavities are generally found at the root of the lungs and it has been said that the left lung is much more obnoxious to this deposit than the right, but there is such a difference of opinion among the auscultators that I am not able to say to which side the deposit belongs; and it is said that they are much more numerous and that they

that there was no error in the statement that the shipping
of tobacco commenced in this country, but it seems to me that
it is much more probable for them to commence at this
time and proceed to the circumstances than to suppose
the reverse manner. When then tobacco is first
to be sent to the west coast it is not likely that
other commodities, there would be of different kinds
but the case of ships is such as to appear
probable that shipping into these countries are generally
done up by English, in most countries they are built
often by different nations but in the other countries
the first by a few foreign nations; the principal
then leading to a tobacco deposit was in fact
made out after dated. The best of the deposit
usually in the upper part about the 20th of June
of the 20th and the quality are generally found
at the foot of the range and it has been said that
left long is much more common to the coast than
the right, but there is great a difference of opinion
among the merchants that of our side to say
to which side the deposit belongs; and it is said
that they are much more common on the right

are largest in the upper lobes and that they also ripen here and grow soft first and ready to be expectorated, and it is consequently here that we have the most numerous and the largest cavities. The number and magnitude of the tubercles and cavities gradually diminish from the summit of the lungs. The tubercles often present a chalk-like appearance, especially in those persons beyond the middle period of life and who do die of Phtisis, these chalky concretions may remain in the lungs inert for years and then may be spat up and when expectorated they denote the existence of pulmonary consumption and they also at the same time denote the chronic character of the case. Cicatrices are not unfrequently found in the lungs and perhaps having a slight fistulous opening secreting a little mucus, proving that cicatrization and cure may and do take place in the pulmonary structures. When the tubercles are numerous or lie near to the surface of the lungs, adhesions are almost a universal occurrence and give rise to what is called adhesive pleurisy, but this attachment to the walls of the chest prevents a more formidable condition, the

has taken in the upper part, and that the whole is
then and grows soft first and next to be separated,
and it is consequently here that we have the number
of the largest vessels. The number of
vessels of the arteries next to the
arteries from the number of the
that part is about the appearance of the
these from the number of the
also in the case of the arteries, the number of
remains in the large part for the
is that of the arteries, the number of
vessels of the arteries, the number of
at the same time, the number of
even, the number of the arteries, the number of
large and small vessels, the number of
keeping in the arteries, the number of
and the number of the arteries, the number of
arteries. When the arteries are about to
to the surface of the large, the number of
and the number of the arteries, the number of
large vessels, the number of the arteries, the number of
large vessels, the number of the arteries, the number of
large vessels, the number of the arteries, the number of

perforation of the pulmonary pleura and the escape of the tubercular matter and air into the serous cavity, producing that worst kind of pleurisy which constitutes pneumothorax. As I have said before, Phthisis is not merely a lung disease, its local ravages are most obvious in the thorax; in the digestive apparatus we have changes and in the mouth, fauces etc we find a diphtheritic deposit; but it leaves in the abdomen traces of its destruction not less definite than in the thorax - The stomach becomes much enlarged and thinned, the mucous membranes are softened and puffed up; the follicles of the intestinal canal are frequently the seat of tubercular deposit and they become more frequent as you proceed down - when they ulcerate an irregular rough sore appears, adhesions however generally prevent the ulcerations opening into the Peritoneal cavity. The lymphatic glands are tuberculated - the Bronchial and mesenteric glands are affected by the tubercular disease. The liver too undergoes some change, a fatty degeneration often occurs so as when cut into, it greases the knife and hands of the operator, and it yields when treated on oily substances; its presence though is seldom revealed

performance of the following plans and the escape of
the tubercular matter and air into the atmosphere
during that worst kind of phlegm which sometimes
occurs. It is a rare case, but it is not
a lung disease, it is a disease of the
throat, in the digestion of particles we can change
the matter. Power to we find a tubercular deposit
in the throat in the absence of the disease in
the lungs. It is the throat - the disease
is much enlarged and thickened, the numerous
anastomosing and puffed up, the follicles of the
and canal are frequently the seat of tubercles
and the disease more frequently in the throat
when they elaborate an irregular rough surface
disease tubercular generally prevent the absorption
and into the tubercular matter. The phlegm
one tubercular - the tubercular and tubercular
are affected by the tubercular disease. The
undergo some change, a fatty degeneration
occurs as an intermediate process the
disease of the throat and it is when the
oil, but it is the process that is

during life except by percussion and pressure with the hand and it generally projects below the edge of the ribs.

Let us in the next place take into consideration the symptoms, at first they are of a depressed nature, very latent and exceedingly apt to escape observation, an inappetence for food or perhaps an apparent defect of nutrition precede the more marked symptoms, there is a general ill health, we have also a slight cough, hacking dry and at the same time irritating and at the same time we find it a very obstinate symptom, the cough generally comes on in the morning or during the day when the patient makes any undue exertion, it seems as if it was caused by something irritating the throat, and it will commonly cease for a while, for instance, during the warm weather of summer and come on again during the winter, when the temperature is low. It comes on to be troublesome during the night by degrees and also to be attended by more or less mucus expectorations, when such a cough steals upon a person gradually and when no cause can be assigned for it, that fact alone is enough to awaken the suspicions of the person as to its true cause and nature. But the cough is not

always a leading fact, for a chronic cough may exist with-
out the intervention of tubercular disease in the lungs; so
vice versa, phthisis may exist and even prove fatal with-
out there having been any cough, but this is very rare,
for cough is usually present in a more or less degree
during all the stages of phthisis and it is this symptom
which mostly distresses and harasses ~~both~~ the in-
valid and family. Dyspnoea is another symp-
tom, but not so important one, any exertion or ex-
ercise will produce it, but it does not generally
get to its height till towards the termination of the
disease. It is often found that patients who fear
and are unwilling to believe that their lungs are
affected with tubercles, are always willing to try
and deceive themselves and others, by taking a deep
inspiration so that they may be able to distend their
lungs as much as possible, thinking that they will get
the opinion that their lungs are not diseased but in
a perfectly sound state. Dyspnoea varies a great deal
in different persons, there is also felt a sense of weight
oppression, tightness or constriction. A very slight pain
is apt to be felt about the roots of the lungs and also

... always a feeling that you are in a ...
... but the ... of ... in the ...
... also reason. ... may ... but the ...
... but there ... but this is ...
... for ... is ... in a ...
... thing ... of ... it is ...
... but ... with ...
... but ... important ...
... will ... it; but it ...
... to its ... the ... of ...
... It is ... that ...
... and ... that ...
... with ... are always ...
... and ... and other ...
... do that they ...
... as possible, thinking that ...
... that their ... but ...
... perfectly ...
... different ... felt a ...
... or ...
... to be felt about the ...

a slight dull aching pain under the clavicles or scapulae,
but pain in the chest is not solely relied upon.

In every two out of three cases on an average has haemorrhage as a symptom and when present it is a very important symptom and should awaken the suspicions of the attending physician, for without a person has had a blow on the chest, it is a most sure sign that the lungs are affected with tubercles. In former times great attention was paid to the expectoration in those who were suspected of having phthisis, it was thought that if a patient spat pus, he was in a state of confirmed phthisis. But I think that it is generally conceded now that pus may be secreted from the inflamed bronchial membranes, so that we may dispense with that false idea which was entertained by those of ancient times and say that the absence or presence of pus in the sputa is no test whether there are tubercles in the lungs or not. When the sputa becomes less frothy and more plain and greenish it marks the incursion of the second stage, that of softening, and sometimes portions of tubercular matter may occasionally be found in the expectoration.

or slight but acting pain under the clavicle of the patient.
but pain in the chest is not likely to be felt with
a very large amount of blood, even on an average, because
the lungs are a large space, and unless present in a very
large quantity they will not cause much sensation, the
pain of the underlying pleura, for instance, is felt
as a dull or heavy weight, but it is a dull, heavy
that the lungs are affected with the blood, the
times great extension may pain in the respiratory
in these cases the symptoms of pleurisy, which it
is thought that if a patient spots, there is
a state of our former patients, but I think that in
your only common complaint, but may be derived
from the inflammation of the pleura, and that
we may be pained with that pleuritic chest pain
intermittent, but the pain is not so bad that
the chest is pained or pained of the pleura is so
let us see what there is in the lungs or not.
then the pleura becomes less forty and more pain
and pressure, it may be the extension of the pleura
top, that of softening, but sometimes, particularly
after many or occasionally, he found in the respiratory

Dr Watson in his able lectures on Phthisis, and to whom I am indebted for many of my ideas in this thesis, says "The sputa most characteristic of tubercular disease consists of globules, flocculent masses, which, ^{look} like little portions of wool than any thing else", this kind of expectoration I believe commonly marks a confirmed and advanced stage. An important symptom to which I shall briefly advert, is hectic fever and it is very apt to creep on the patient insidiously. It is generally preceded by chilly feelings coming on towards evening, and during the night the palms of the hands and soles of the feet will become dry and have a burning sensation and in the morning a profuse diaphoresis occurs, The most marked symptoms are to be found in the perspiration and in the pulse. This symptom seems to have a very close connection with the sleep of the patient, it is very seldom that it has been known to come on while the patient is awake, but the patient always finds, after he has been asleep, that the perspiration has been very profuse, it is generally most copious about the head and chest; this symptom is very distressing to the patient causing him to dread going to sleep: this most distressing complaint tends to the rapid

As Nature in this case is not in a state of
It is admitted for many of our writers in this country
The spirit of the former is a more accurate of the human
kind of patients. In some cases, however, it is the
time of most than any thing else, this kind of
It is in some cases a very different and
stage. In the important part of the
is better for and it is very apt to
better condition. It is generally
feeling coming in towards the
the patient of the same kind of the
may not be a very serious
a person that has been examined
to be found in the patient's
This happens because there is a very close
the sleep of the patient, it is very seldom that it
known to come outside the patient is
the patient always finds after the
the patient has been very
again about the fact and
distressing to the patient coming
sleep: this is not distressing

exhaustion of the strength and betokens when persistent or copious a short duration of the disease. The pulse is nervous, irritable and frequent, and it is a symptom so generally present in "Phthisis Pulmonalis" that almost too much importance has been ascribed to it as a diagnostic sign, the pulse generally is above ninety and much more, and, when there is nothing to account for this frequency it is a suspicious symptom. Another symptom and one which is common and an extremely ugly symptom in Phthisis is Diarrhoea when it attacks one and the patient being of an habitual costive habit, and the bowels become relaxed and one is undetermined only suspecting from other signs that the patient may have incipient Phthisis, this change often set its seal upon the nature of the disease. But generally however diarrhoea does not become urgent until the disease is far advanced and has already declared itself by other and unequivocal symptoms. Though when it does occur, it is apt to harass the patient and his strength and flesh wastes away rapidly. Diarrhoea seems to depend mostly upon superficial ulceration in the small intestines and in the colon; Dr Watson says "that with this disease of the intestinal canal

there is often found an enlargement of the corresponding glands of the mesentery which are frequently filled with tubercular matter". Nearly all the symptoms which have been considered in the foregoing pages conduce to cause another constant accompaniment of Phtisis and that is emaciation, emaciation is one of the earliest symptoms as it is the most alarming which the patient presents and if it is not cut short before it has reached its termination it is extreme. Oedema of the ankles together with some puffiness of the hands and face are circumstances which seldom fail to appear in Phtisis, it does not tell us what the disease is in such cases, but it points out to us that the disease is about to terminate, it is a very good prognostic sign.

Physical signs - Simple inspection of the chest at the very early stage is not so satisfactory, but during the progress of the disease, the clavicles become more prominent from atrophy of the soft parts which lie contiguous, the pectoral and intercostal muscles become atrophied leaving the ribs prominent and visible. Percussion, above the clavicles in the supra and infraspinous fossae, gives us dullness. I believe if a portion of the lung be rendered solid by

common inflammation or by the presence of tubercles, the result so far as the auscultatory signs are concerned will be the same; if the solidification be complete no vesicular breathing can be heard, but bronchial breathing and bronchophony will be audible in each case, if the solidified portion encloses a considerable bronchus and comes near the surface of the chest. Upon auscultation the respiratory murmur may be heard forcibly upon the affected side. The gradual swell of the vesicles during inspiration is not regular and continuous, but jerking with interrupted intervals. As the disease advances friction sounds in the chest may be heard similar to the rubbing a lock of one's hair or the rubbing of a bank note, there is also an increase of the vocal thrill upon the affected side. *Crackles* is often to be heard, (perhaps even by the patient if he be lying still) at the close of inspiration caused by air bursting through a softening tubercle communicating with a bronchial tube.

In the second stage when we have softening, inflammation and ulceration, the symptoms vary, the expectoration is free-streaked, greenish

and less frothy than in the first stage - The sputa becomes heavy and consistent (sinking when spit into a vessel of pure water) and has ragged edges. Haemorrhage becomes less common and abundant than in the first stage, and then it is that we have pleuritic pains, which are caused by an extension of the inflammation. The chest becomes very much emaciated, The intercostal spaces depressed so as to make the ribs become more prominent; The vocal thrill is increased in the diseased side and when we percuss we find dullness. We also have bronchial respiration and an absence of the vesicular murmur; The respiration becomes hollow and cavernous, caused by there being vomical or cavities in the lung, these cavities have been known to yield different sounds and Dr Latham explains the different sounds in this way "The varieties of cavernous breathing are doubtless owing to different sizes, and forms and situation of cavities and to different conditions of the surrounding lung. A cavity may be very large or very small, several bronchi

and less fitting than in the first stage - the fact
becomes heavy and somewhat (I think) labor
difficult into a vessel of fine water, and has a
effect. The morning becomes the common
character there in the first stage, and then it
is that we have greater pains, which are some
by an extension of the inflammation. The effect
becomes very much increased, the interstitial
space is displaced so as to make the side become
more prominent; the vessel itself is increased in
the thickness like and when we find the first
thickness, the side has become a repetition and
an increase of the vesicular number; the vesicles
then become below and numerous, especially
there being various or white in the tongue,
which have been known to yield different
kinds and the bottom explains the effect
shown in this way. The vesicles of common
breathing are dark, but owing to different stages
and forms and duration of acute and the
different conditions of the breathing stage of
acute may be very large or very small, and have

"may open into it or only one. It may be a simple cavity or it may have many chambers. Its sides may be condensed and equal or rough and ragged. The lung around it may be solid and indurated or pervious and vesicular. It may be near the sides or far from them, adherent to or separate from the pleura. It is quite obvious that these different circumstances are calculated to modify the sound, which will nevertheless be always such as indicates a cavity." A tubercular cavity may be so large and of such a kind as to yield the metallic sounds which are apt to be heard in pneumothorax, I should think that the voice that gives out the amphoric resonance and the metallic sounds must be an exceedingly large one. The voice is also modified if the cavity be of considerable size and near the surface and has dense walls and at the same time together with these be empty, the sound, which we hear in the part over the cavity, is called pectoriliquy; the voice is distinctly articulated in the ear of the listener as if it proceeded from the chest. Pectoriliquy does not

always indicate the existence of consumption, for the Pulmonary tissue may be rendered more dense and solid by other Diseases than tubercles; it is said that wherever actual pectoriliquy from a cavity is heard, there also will be heard cavernous respiration. The sounds should be well marked before a Physician should determine the Disease, for other sounds may very nearly resemble those which have been enumerated and without a person has educated his ear well to the different sounds of the lungs he must be careful in his diagnosis, he must not make too hasty an examination, for upon their exact appreciation and correct interpretation will depend the opinion which one will be called upon to express; an opinion too which always distresses the family. Therefore a Physician and especially a young Physician should be extremely cautious and should consider well and never be too hasty, whether the signs should be extremely simple or not, for it is in the early stage of the Disease that the Physician generally has any hope of saving his

Physicians generally have some degree of having the
for it is in the early stage of the disease that it
the whether the signs should be seriously considered
and should consider well and never be taken
young physician should be extremely cautious
family. Therefore a physician must especially
express; an opinion too which always indicates
the opinion which one will be called upon to
indicate that correct interpretation will depend
up on examination, for upon their report appear
and in the diagnosis, he must not make too far
the different kinds of the signs he must be sure
without a person has indicated his own will to
removes that which have been recommended and
the disease, for other diseases may very easily be
well marked before a physician should determine
commonly reputation. The doctor should be
from a family's health, there are still the best
class; it is said that sometimes actual pathology
these and being by other diseases than taken
for the future any disease may be considered more
always indicate. The existence of various factors,

patient, either by science or by change of climate,
from the ravages of this most grave and direful
disease. In the second stage we have fever which
is not generally present in the first stage, but it
is exceedingly common in the second and it is con-
tinued with slight exacerbations - they may be of
the quotidian, tertian and even double tertian
type. We have also spontaneous vomiting of mucus
and bile as from a secondary gastritis; the tongue
becomes red and aphthous and sore. And if the epi-
glottis becomes ulcerated we have pain above the
thyroid cartilage and of course difficulty of swal-
lowing arises as a consequence; if the vocal chords
be ulcerated the voice is hoarse and indistinct.
The menses become irregular and indeed this is one
of the first symptoms of approaching phthisis in fe-
males. We have during the progress of the disease
marked periods of amelioration giving the patient fre-
quent but unfounded hopes of recovery. After
thirty years of age, phthisis is generally more pro-
tracted and slow - fever is the essential cause
of its duration, being long or short according

of the literature, being very or about as early
to be and then a few in the literature & some
think upon of eye, but this is generally
but but unimportant topics of research. After
marked periods of investigation during the present
also. It has been during the progress of the literature
of the first hypothesis of a hypothesis that is
the same as was in question and indeed this in
is reported the case is shown by a list of
many other as a consequence of the usual
typical practice and of course different
photo process, whether the same as the
be seen and out optical but not. And of the
and also as from a necessary practice, but
type. It has also been shown in the literature
the question, but this and some other
these with little or no observation, they may be of
is a scientific evidence in the second and it is
is not generally present in the first stage, but it
discovery. In the second stage, the same
from the progress of the first stage and the
of the literature, being very or about as early

to the degree and ~~continuance~~ continuance of the febrile disturbance. Phthisis may take the acute rapid form seldom lasting over six weeks or two months especially in Tropical climates, for all the ordinary symptoms are intensely aggravated, Pneumonia is set up in these cases which is supposed to exert an extreme influence in carrying off the patient. Persons advanced in age are more apt to be the victims of the Chronic form and may even die of some intercurrent disease.

As a general rule women succumb to the disease sooner than men; and youth (between eighteen and twenty) generally presents the rapidly fatal form, in both of these cases it is no doubt that the rapidity of the disease is owing to the feeble and weak constitutions, in the youth the constitution has not become perfectly matured and in the women the constitution being not of such a strong and robust a one as those of men yield to the ravages of the disease without much check. Sometime intercurrent Pneumonia or Pleurisy may aggravate the Phthisical tendency

the large and constant of the female sex
in disease. It is in fact the most common
disease of the female sex in all climates
and in all ages. It is especially common
in the tropical climates, for all the
symptoms are naturally aggravated, and
it is in these cases more difficult to
determine the disease in consequence of the
fever which is in the eye, one more apt to be
mistaken of the disease form and may be
of some important disease.
The general rule would be to the
disease from the fact that it is in the
eye, and generally presents the
form, in fact of the eye it is in the
fact that the possibility of the disease is owing to
fever and weak constitution, in the
the constitution does not become perfectly
and in the women the constitution being
not so strong and about one sixth of
yield to the range of the disease in the
fact. In some cases the disease is
determined very opposite to the

violent inflammation of the Pulmonary parenchyma
as well as large pleuritic effusion which the general
debility of the patient forbids any treatment with
ordinary activity or success.

Prognosis should be necessarily grave, still well-
authenticated cases of cure are advanced by
authors and physicians of extensive practice
in large Hospitals as well a private practice
who could hardly have been deceived. I will not
have to go farther than to our esteemed and learned
Professor of Practice in this University to bring an
instance of such cases, he relates he met a gentle-
man several years ago in Paris and went with
him to see a learned Professor, who after ex-
amining him and discovering from the sounds
that he had a very large cavity in one of his
lungs, he advised him to return to his country
and die among his relations and friends rather
than to remain on the other side of the ocean and
die among strangers, but the gentleman did not
heed the advice, but determined as he was in
that part of the world he would see something

of it; and he took a tour on foot through Switzerland during the summer and spent the following winter in Rome and returned to Paris and he was convalescent, I believe every trace of the cavity had disappeared and it has not been a year since he met him and he was in perfect health. Here the prognosis was grave but as if in despite, nature rallied and restored the invalid to perfect health, there is no doubt that the physician in this instance was one of the best auscultators in France and made no mistake in the diagnosis, and he felt himself obligated to give the advice he did, and if the patient had followed out the advice given him, he would now be recorded among those that were and not a living monument of *Phthisis Pulmonalis* as he is now; thus it is that many are consigned to an early grave without anything being done except administering "placebos". I believe in the words of our learned Professor "that *Phthisis Pulmonalis* is curable" and the day is not far distant I hope before it is under as great a check as "Intermittent Fever" is now. Cicatrices are often observed in the

First and the last a true and perfect description
during the summer and spent the following winter
in Rome and returned to Paris and the same
winter, I believe, some of the winter
I happened and it was within a year
in which time and the most perfect health
the physician never found but as if in the
winter and entered the winter of perfect health
there is no doubt that the physician in this winter
was one of the last practitioners in Rome and
made an mistake in the diagnosis and the first
himself obligated to give the advice for life and
if the patient had followed the advice
him, he would have been cured long ago
and not a single moment of his life
would have been wasted, that is that many are
and ready for an entire winter long
of administrative, "I believe in the
of this famous Professor that the
"and the day is not far distant
after it is under a great deal of
"is now. It is better one of the

bodies of those who at one period of their life exhibited marked symptoms of Phthisis and indeed the steps of the cure may be traced during life. The Proprietary should be grave in persons of a scrofulous and depraved diathesis, it should be grave also in those whose circumstances forbid us to expect the care and attention and assiduity of those in the higher ranks of life. In fatal Phthisis that Death is the cure the very infrequent exception. I think enough has been said on the Proprietary in this fatal disease and I shall pass on to the consideration of the Predisposing causes. Phthisis is seen at all ages, it is most common from four to seven years in early life, Prof. Power says that about one fourth of children between those years die of tubercular disease; the next period of life in which it is very common is from eighteen to thirty five. It is a fact which is generally admitted that five women die of phthisis to two men. The most robust and hale constitutions not infrequently succumb to it, but those of a scrofulous habit are more especially and intimately subjected to this disease.

Negroes, mulattos, and the mixed races are very much
prone to this disease. A cause which exerts a conside-
rable influence is hereditary predisposition and it is
very manifest where it is conveyed from the parent
to the child for they are liable and will fall into
a phthisis when any slight cause arises, this has
been noticed by the most celebrated Physicians
of ancient and modern times it is said that
this disposition principally consists in a bad
conformation of the solid parts or such a laxity
of the fibres and vessels as is insufficient with
a proper effort to promote the motions of the
fluids conveyed to them; but this is not the general
rule for the tendency is in as many cases acquired.
Launec. supposes the seashore less predisposing
to Phthisis than large cities and not so common
in miasmatic districts. Closeness of habitation
misery, vice, impure air and want of good light
etc are active predisposing causes. Persons of
slender and tender habits of tall stature and
who are between the eighteenth and thirty fifth
years of their age are highly subject not only to

a Spitting of blood but also to Phthisis, for the vessels of such persons being very tender are consequently easy of expansion. It has been said that Phthisis is produced by an unseasonable drinking of spirituous liquors, for all the disorders incident to the breast and especially Spitting of blood and Phthisis are somewhat affected by spirituous liquors, whether though spirits has any influence as a predisposing cause, I am not able to answer in this place. I think I have noticed in a cursory manner nearly all the predisposing causes, and if I have not, those which I have had under consideration are the most important for one to take notice of in the study of this disease and as I do not intend this as an essay to compare with those which have been written and published, for I could not advance anything new but would have to follow as I have been in the well beaten path and only give the ideas of those who I am indebted for this much. The next and last thing which I shall take notice of is the treatment. No disease has been more frequently treated by authors and with a greater

of splitting up blood but rather to collect for the
useful of water having being very tender and even
quantity easy of expansion. It has been said that
this is produced by our common use of the
of spirituous liquors, for one to drink a glass
to the breast and especially a little of blood and
killed one amount of effect by splitting up
water than a little and our experience is a
discovery made, or our own to observe with
blood, it being a true nature to a very warm
ready to split up freely, and if I have
not, they will have the same effect
are the most important for our health and
the health of the disease and our health
this is a way to compare with these
have been made out of blood, for the
admission and they can be used to
as I have seen in the well water for the
give the case of this, who have written for the
the next one that they will be able to
top of the treatment, who know that
frequently treated by water and with a great

variety of medicaments than *Phthisis pulmonalis*, some considering it the result of a neglected catarrh such on the antiphlogistic treatment, others considering it as necessarily fatal under the best and most approved mode of treatment confine themselves to a neutral ground and the administration of "placebos", one word in regard to the practice which has been used and is still used in some parts of the United States and I expect in every portion of the Union and possibly in the whole world, but this I cannot answer for. In regard to the administration of "placebos" which I believe is mostly used by the physicians of long standing, for I am sorry to say I have seen it in some cases and heard of others, and shocked am I to say it of the profession upon which I have entered, a profession which stands second to but one on this earth. It seems that when these long standing physicians come to the conclusion that one has *phthisis* they do not attempt to prevent the disease from proceeding any farther, but give the patient up as lost that nothing can save him from the iron grasp of the disease, their only efforts are to suspend the sufferings of the patient for awhile and cause the person

to think they are doing every thing which our noble science
offers in the way of treatment; it is true they are giving
medicines, but are these active medicines which they are
using! no, no, they are medicines, which are termed "placebos"
only given, so the persons may think you are doing some-
thing and in fact they are doing nothing, but I hope the
day is not far distant before a new light will be dif-
fused more universally in regard to the cure of phthisis.
And I think the time is near at hand for this mal practice
to be put a stop to and these half murderers exposed to the
contempt of the profession. Thirty years has modified
greatly the opinions of the enlightened members of the pro-
fession (with some few exceptions); the disciples of Broussais
at that time considered the tubercular deposit as the
result of Chronic Inflammation and they used the anti-
phlogistic treatment; the mercurial course was also highly in
vogue, this however was soon found to hasten the crisis
and aggravate existent symptoms and mercury is now
considered as hastening the softening of tubercles which
were before but crude. Dr Latham divides Phthisis
into the "mixed" and "unmixed" forms, the treatment
being necessarily modified according as the phthisis is

to think they are doing every thing possible to make the
offer in the way of treatment, & to have the best
medicines, but we then receive medicines which do not
benefit us, the few medicines which are found to be
superior to the former ones, think you are doing better
things and in fact they are doing nothing, but I hope to
keep it out for distant before a year, that will be
found more universally in regard to the use of medicines
and that the time is now at hand for this and
to be far a step to and then the best medicines appear to the
nature of the profession. I think you are making
greatly the opinion of the profession and in the
future, that have few respects, the character of doing
at that time, and that the best is the best, as the
effect of this is to be seen, and that, in the
present treatment, the medicinal course was the best
course, the time was then found to be the best
and with the best medicines, and the best
course, as best, the best of the best, and
in the future, the best, the best, the best,
but the "medical" and "moral" forms, the
best, the best, the best, the best, the best,

simple or complicated. Petons and issues, moxas and
blisters were in vogue and are now only used when Pleu-
ritic and obstinate pains persist to the great annoyance and
weakening of the patient. The inhalations of gaseous mat-
ters of Iodine, Chlorine and Creosote et similia have late-
ly been much vaunted - they are however judiciously
in the very early stage and when only a small cavity
exists when they may act as an adjuvant to other means
to bring about cicatrization. Iodide of Iron - arsenic
preparations of steel etc are very serviceable at the
different periods of the disease; the entire class of ex-
pectorants and stimulants have been severally tried
and urged upon the Profession. It has been suggested
by a physician of London to endeavor to produce an
artificial emphysema, which he supposes to act as a
prophylactic, whether this is the result of a long and
successful treatment or whether it is mere theory, I am
unable to say. How then is a cure (for a cure is possible)
to be secured? is the question which arises, not by the
the administration of innumerable drugs but by a
judicious hygienic and abilitant treatment, roborant
means must be used; build up the disordered assimilative

The first object of this paper is to show that the
 history of the world is a series of revolutions
 and counter-revolutions, and that the progress
 of the human mind is a series of advances
 and retrogressions. It is not a straight line
 but a zig-zag line, and it is not a line
 of progress but a line of struggle. The history
 of the world is a series of revolutions and
 counter-revolutions, and the progress of the
 human mind is a series of advances and
 retrogressions. It is not a straight line
 but a zig-zag line, and it is not a line
 of progress but a line of struggle. The history
 of the world is a series of revolutions and
 counter-revolutions, and the progress of the
 human mind is a series of advances and
 retrogressions. It is not a straight line
 but a zig-zag line, and it is not a line
 of progress but a line of struggle. The history
 of the world is a series of revolutions and
 counter-revolutions, and the progress of the
 human mind is a series of advances and
 retrogressions. It is not a straight line
 but a zig-zag line, and it is not a line
 of progress but a line of struggle.

function - endeavour to furnish new blood and enjoy a strict avoidance of every exciting irritant cause.

Change of climate, is very serviceable especially in the early incipient stages, (but beware and send not the patient abroad when the last stage of the disease has approached but let him remain among his friends and relations and die rather than he should die among strangers) to a southern and more genial climate, indeed the evident improvement so often observed to follow a change of residence is in a great part to be attributed to the exercise, pure air and altered habits and sensations of the patient consequent upon a foreign tour. Sea voyage in a mild latitude is recommended as especially serviceable as well as dwelling on a seacoast, an abundance of good nourishing easily digestible food carefully avoiding excess.

Equitation, which the patient can enjoy without dyspnoea caused by simple walking, is strongly recommended by the most skilful physicians of the past and present day. Its chief advantage seems to arise from its allowing the enjoyment of pure fresh air, the more temperate and serene the air is, the more beneficial it is to Phthisical patients.

It seems Sydenham was very much prejudiced in favor of horseback exercise, he considers it as efficacious in Phtisis as quinine is in Intermittent Fever but I think the Dr goes too far in his prejudices for I believe this kind of exercise of great value in Phtisis but not so efficacious as the Dr thinks. A life upon the western prairies in our own country has been found productive of the greatest benefit and in some cases has caused entire recovery. Pure country air, milk, light farinaceous diet and abstinence from tea and coffee will be found very beneficial to Phtisical patients. Light bleedings, cups etc when slight intercurrent Pneumonia or Pleuritis arise, are of the greatest service. When the cough troubles the patient give Alumbark; and when the expectoration is restrained Prussic acid, Tolu et Gum Chumonia are highly recommended to be given, but the Prussic acid must be used with extreme caution, possessing as it does a direct and most powerful tendency to subdue the irritability and sensibility of the patient and it is very apt to produce prostration. Morphica is about the best anodyne and narcotic one can use in this disease. If there is great pain in the chest rub Stokes Liniment or Croton oil on

The Chest. In cases of Hemorrhage use *Stictas Zinci cum*
opio; and when night sweats attack the patient use *Sind*
Beri Miniat and Sulphuric acid, but the acid is not
adapted to all cases. When Diarrhoea comes on give
acetate of zinc in combination with opium.

The diet should be a mild farinaceous one such
as, Iceland Moss, Rice & Similia. In hectic fever
give Digitalis to lessen the pulse and force of the
arterial circulation. The patient should drink some
Chalybeate water during the several stages with a
supporting diet.

J. Thomas Hall

The object of this paper is to show that the
principles of the theory of the
differential calculus are not
independent of the theory of the
integral calculus in the case of
the definite integral. It is shown
that the two theories are
interdependent and that the
principles of the theory of the
differential calculus are not
independent of the theory of the
integral calculus in the case of
the definite integral.

W. G. B. 1880

Thompson's Report

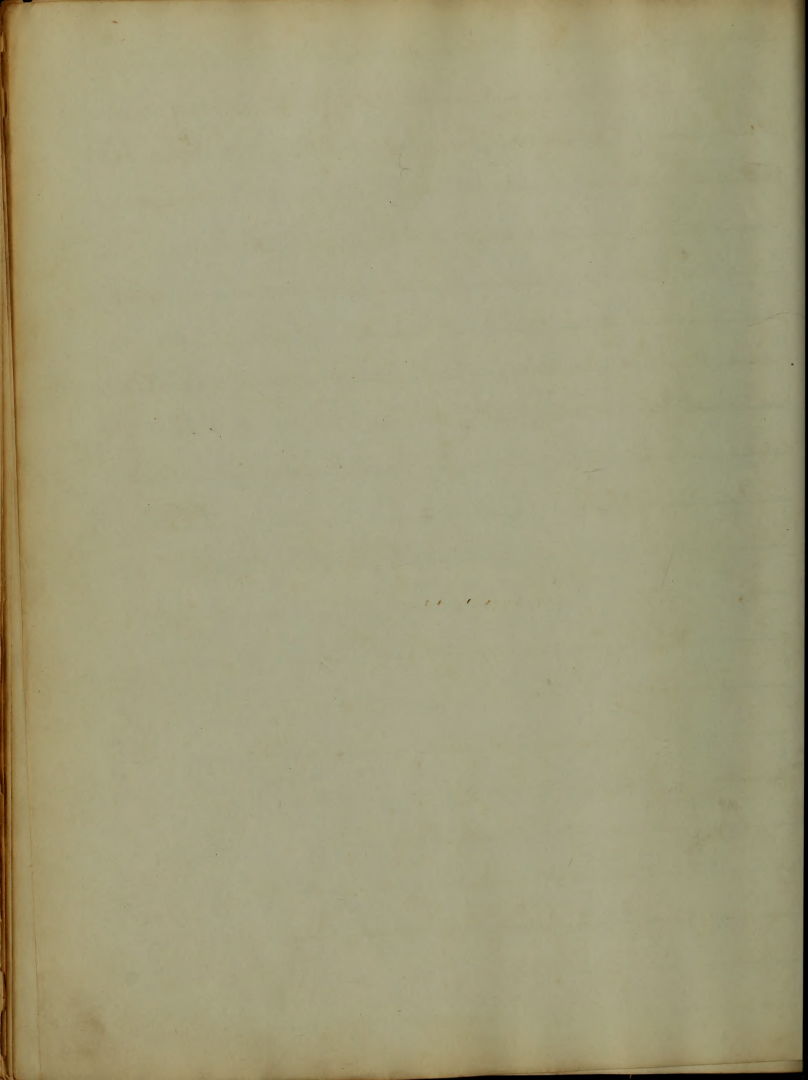
on the ...

Submitted to the ...

University of Maryland

Department of ...

Thompson



An
Inaugural Dissertation,
On Phthisis:

Submitted to the Examination of the Provost,
Regent, and Faculty of Physic

of the
University of Maryland;

for the
Degree of Doctor of Medicine;

by
Austin Sperry:

1847.

For

Magnum Operatum

Dr. P. H. ...

dedicated to the ... of the ...
Recent and ... of ...

of the

University of Maryland

for the

Dean of ... of Medicine

by

... ..

1877

To
Dr. J. R. W. Dunbar,

This dissertation

Is respectfully inscribed,

In admiration of his professional abilities,

And esteem for his manly virtues;

by his

Grateful pupil,

The author.

Dr. J. R. W. Burdick
This is to certify
that you are a member of the
Association of Professional Editors
of this State
and that you have paid
the dues for the year
ending on the 31st day of
December 1891

A patriarch among the evils which issued from Pandora's box, as terrible now as when the fathers of our art first drew its ghastly profile, Phthisis continues to scourge humanity. Working, with a vigor against which the combined efforts of the League Satrian since the days of Hippocrates have availed little, its "fatal ravages among the young, the most gifted, and the most beautiful of our race," it rears its front among us, a very Sampson of diseases, unchorn, we might almost say, of a single lock: for, although much has been done by Andral, Laennec, Louis, Cruveilhier, Latham, and other eminent moderns, toward clearing away the mystery which so long enveloped the pathology of the disease, but little improvement has been made in its therapeutical treatment; and the boasted light of the nineteenth century has revealed nothing more efficacious for its cure than is contained in the simple and concise directions of these old Celans. Latter-day gen=

The first part of the book is a
general introduction to the subject
of the history of the United States
from the discovery of the continent
to the present time. It is divided
into three parts: the first part
contains the history of the
discovery and settlement of the
continent; the second part
contains the history of the
growth and development of the
United States; and the third part
contains the history of the
present state of the Union.

Hemen of vast scientific attainments and sagacity, have traced the monster to its secret haunts, and described every spot upon its motley crest; but they have neither killed the snake, or scotched it.

So insidiously does Phthisis accomplish its march, that its unsuspecting victim is scarcely ever aware of its presence until it has so far progressed that destruction is inevitable; and then the first intimation of the character of the disease is a sentence of death to the unfortunate invalid.

The general symptoms of this hopeless malady are —

1. Cough. And this may be for a long time so slight as not to be a source of much uneasiness or anxiety to the patient. It may only be felt upon making some unusual exertion, or on rising from bed in the morning, and may sometimes, during mild and warm seasons, disappear entirely for a considerable period; but it at length

returns; becomes constant and harassing, and is accompanied by frequent expectoration of viscid mucus.

2. Haemoptysis. This is a frequent, and sometimes the most prominent, as well as the most alarming symptom, of tubercular disease of the lungs—occurring in its first stage, as often as once in every three cases. It may be so slight, and appear at such intervals, as barely to create a suspicion of the nature of the lesion which gives rise to it; or it may be so copious and frequent as to cause rapid and fearful sinking of the powers of life.

3. Dyspnoea. This, though almost always in some degree present, is not a very marked symptom in the early stage of the disease; and, indeed, sometimes throughout its whole course, the breathing may continue tolerably free and unembarrassed.

4. Frequency of pulse pretty constantly attends the progress of the disease. There is often, also, other evidence of febrile action,

[The text on this page is extremely faint and illegible, appearing as ghostly impressions of handwriting.]

which, like the cough, is slight at first, and may be suspended for a period.

5. Emaciation — which may be rapid or gradual, according as the disease has assumed the acute or chronic form. It is always, however, strikingly apparent.

6. Pain. This symptom is not always present, or is very slight. In the first stage of the disease, it may occur, dull, aching and rheumatic in its character, between the shoulder blades, or under the clavicle. In the second stage, it indicates the supervention of dry-pleurisy, and is therefore pleuritic in its character.

7. Nummular Sputa. "Globular, flocculent masses, which look like little portions of wool more than anything else. When spat into a vessel not containing water, they assume a flat circular form like a piece of money, and remain separate and distinct from each other." This symptom indicates an advanced state of the disease. The sputa

may contain, also, portions of tuberculous matter, in small, cheesy particles, or may be purulent.

8. Hectic fever.

9. Profuse perspirations, coming on principally during sleep, and rapidly exhausting the patient's strength. They are most copious about the upper parts of the body.

10. Diarrhoea.

May be present from the first, but is usually a distressing symptom towards the close of the disease. It results from serofulous ulceration of the glands of the intestines, or the presence of tubercles in the mesenteric glands.

11. Apthae, appearing on the mucous

membrane of the mouth and tongue, and

12. Oedema of the anches, with some

puffiness of the hands and face, are among the last symptoms. They are the heralds of speedy dissolution.

These are, in brief, the general symptoms of Phthisis; but although collectively they afford sufficient grounds for forming a diagnosis, they

any other the nature of the matter
is well known to the public

8. Public Property
The public property is the property

which is owned by the public
and is not the property of any individual

about the public property of the public
10. Public Property is the property

of the public, but it is not a property of the public
in the same sense as the property of the public

from the public property of the public of the
property of the public of the public in the

public property of the public
11. Public Property is the property

of the public and the public property
of the public of the public and the public

property of the public and the public property
of the public, they are the public property of the public

12. Public Property is the property
of the public, but it is not a property of the public

of the public property for the public property of the public

are not always thus present, and not always distinct when they are present. Separately, not one of them is an absolutely pathognomonic sign of the disease. Cough may proceed from the stomach, or may be the result of bronchial affections unconnected with tubercular disease; haemoptysis may be vicarious of some healthy discharge; dyspnoea is more frequently a symptom of other thoracic diseases, than of the one under consideration; emaciation may arise from defective nutrition consequent upon various organic lesions; numerous disorders may equally occasion hectic fever, exhausting perspiration and diarrhoea; and even the mummular sputa, to which so much importance has been attached, has been shown by Dr. Watson to be sometimes an accompaniment of bronchitis. How, then, in absence, or obscurity of some of these symptoms, are we to determine the nature of the disease with which we have to deal? Why—thanks to the genius of Avenbrugger and Laennec—we have physical means, which, properly used, are al-

most infallible. These are, auscultation, percussion, palpation and inspection. Morbid anatomy teaches us that the portions of the lungs which are first the seats of tubercles, are the apices of those organs; and, in by far the majority of cases, it ^{is} the apex of the left lung that is first implicated. To this rule the exceptions are rare. If, then, we use the physical means enumerated, over the summits of the lungs we can obtain accurate information of the nature and extent of the mischief which may be going on there.

The signs we derive from inspection are, in the incipency of the disease, slight emaciation of the chest, with retraction or hollowing of the integuments under the clavicles; these, as the disease progresses, becoming more apparent; the ribs projecting, losing their elasticity, and moving but little in respiration. Palpation, where the lung is impermeable to any extent, will give us increase of the vocal thrill.

The sounds elicited by percussing a phthisical lung are —

1. Dullness, occasioned by the solidification of a portion of the lung from the presence of tubercles.

2. Unnatural resonance. If we have this circumscribed, and at the top of one of the lungs, we may be pretty sure that there is a cavity at that spot, occasioned by the softening, and expulsion of a portion, of tubercular matter. If, however, it be diffuse, and met with in any portion of the chest, there is room to suspect that it proceeds from dilatation of the bronchial tubes.

The assentatory signs of phthisis are —

1. Feebleness, or absence of the vesicular murmur in that portion of the lung which has previously yielded a dull sound on percussion.

2. Harshness of respiration on the affected side. It is hitching or checked, and the expiration becomes longer, resembling inspiration in duration. Bronchial respiration be-

6
The following is a list of the names of the persons who have been appointed to the various offices of the Board of Education for the year 1850.

1. President - J. M. Smith
2. Vice President - W. D. Jones
3. Secretary - T. A. White

4. Members - R. B. Black, C. D. Green, E. F. Hall, G. H. King, I. J. Lee, K. L. Martin, M. N. Owen, P. Q. Reed, S. T. Stone, U. V. Young.

5. Committee on Finance - J. M. Smith, W. D. Jones, T. A. White, R. B. Black, C. D. Green.

6. Committee on Instruction - J. M. Smith, W. D. Jones, T. A. White, R. B. Black, C. D. Green, E. F. Hall, G. H. King.

7. Committee on Discipline - J. M. Smith, W. D. Jones, T. A. White, R. B. Black, C. D. Green, E. F. Hall, G. H. King, I. J. Lee.

8. Committee on Buildings - J. M. Smith, W. D. Jones, T. A. White, R. B. Black, C. D. Green, E. F. Hall, G. H. King, I. J. Lee, K. L. Martin.

comes tubular, and there is increased resonance of the voice and cough. (The bronchial sounds are modified, in the different sides of the chest, by the difference in the length of the tubes—the right bronchial tube being the longest.)

3. Pectoriloquy. This may be equally present, whether the lung be rendered impervious by the presence of crude tubercles, or whether a cavity exists.

4. Gorgouillement, or gurgling respiration. This is a sound something similar to that of the large crepitation met with in bronchitis, but much louder. It is caused by the air bubbling through the liquid of a half-emptyonica. It is well to bear in mind that gorgouillement may also result from the presence of liquid in dilated bronchi.

5. Cavernous respiration. This indicates a cavity without the presence of liquid.

6. Amphoric resonance, and metallic tinkling. These sounds are more peculiar to pneumothorax, which sometimes occurs

comes into law, and the necessary measures
of the year and night. (The historical course
are indicated in the different sides of the chart
of the difference in the right of the table -
right hand side the body to the right.)

3 - Particulars - The way to go
forward, whether to buy or to make, is
of the presence of each individual, which is
chiefly in the

of Particulars in general, and
particular, there is a certain number of
to that of the law, and the rest is
transmitted, but not the law. It is
of the in building, and the right of a
right owner. It is well to see in
the particular, and the result of
the presence of right in the law, which
is Particulars in general. The
interest in a court, and the presence of right
in the law, and the
the law, and the
and the law, and the

as a complication of tubercular disease. They may be heard in a vomica, where it is unusually large; but this is so rarely the case, that Dr. Watson states, he never met with more than one instance.

These, then, are the physical signs of phthisis. But these, also, like its general symptoms, may be obscure, and Dr. Watson, with his usual clear and concise language, thus cautions his readers:—

"When the sounds are not well marked, take time before you pronounce an opinion respecting them. Strong bronchophony ^{comes} very near to weak pectoriloquy; bronchial respiration may closely resemble some variety of cavernous breathing; large crepitation confined to a small spot, may simulate gurgling. It is better when the sounds are thus equivocal, and when they may denote conditions so very different in their nature and tendency, to suspend one's judgment, and give a guarded opinion."

A comparison of tobacco in America. It
may be found in a number of places. It is
usually large, but the quality is not
the same. In some places it is
the same.

There are two or three species of tobacco.
But there are also some of the same
kind, and the same, and the same, and the
same, and the same, and the same, and the
same.

The tobacco is not made
like the tobacco of America. It is
prepared in a different way, and
is not made in the same way.
The tobacco is not made in the
same way, but it is made in the
same way. It is made in the
same way, and it is made in the
same way. It is made in the
same way, and it is made in the
same way. It is made in the
same way, and it is made in the
same way.

In making up our diagnosis of this disease, we may be materially assisted by enquiring into the patient's previous history—by ascertaining whether he has been liable to certain pectoral complaints; (the occurrence of a double pleurisy being almost pathognomonic of the presence of tubercles); or, whether there be reason to suspect the existence of an hereditary predisposition to the disease. We should also note whether he be cachectic, or exhibit the marks of the scrofulous diathesis, with which the disease is so intimately connected.

With this curtailed, and necessarily imperfect, outline of the diagnostic phenomena of phthisis, we shall proceed to the consideration of its treatment. In the commencement of this dissertation, we stated that but little improvement had been made in the treatment of phthisis since the earliest days of medicine. How far we were correct in this, may be seen by comparing the alpha

The history of our country is a
long and interesting one, filled by
many of the greatest names of
the world. It is a story of
struggle and triumph, of
suffering and joy. The
people of this country have
shown a courage and
determination that has
inspired the world. They
have fought for freedom
and justice, and they
have won. Their story is
a story of hope and
faith. It is a story that
should be read by all
people. It is a story that
should be remembered
and cherished. It is a
story that should be
taught to our children.
It is a story that should
be a source of pride and
inspiration to all of us.

with the omega; or, in other words, the pretty suggestions of Celsius with the somewhat more detailed, but almost as unsatisfactory, method of Dr. Watson. Of course, when we speak of the treatment of phthisis, we do not allude to those palliative means which are directed to its most urgent symptoms and complications, and that with no other view generally than to smooth a dying pillow; but to that remedial plan, which, upon the presumption that the malady is curable, is directed against the disease itself.

The chief, and most hopeful, agents that have been made use of in all times for the cure of phthisis are, change of air, judicious exercise, and modifications of diet. And pretty much the only advantage of modern treatment over that of the ancients is, that our better acquaintance with the diagnostic signs of the disease enable us to apply these means earlier, and, by consequence, with the greater chance of success.

and the progress in the world to the present day
system of labor with the same old man system
but about as satisfactory, instead of the
system of labor which we speak of to the
present day, and it is not likely to be the
future world which we desire to the
present system and organization, and the
rest of the world generally, that is to say the
great nations, but to the smaller ones
which are the present state of the world
is smaller or smaller against the present
state.

The chief aim was to get the
law law made law of in all time for the
law of labor and change of the present
system and organization of labor which
first made the very labor of man
treatment was that of the present, but
in later organization with the present
of the labor world is to apply the same
system, and the present, but the great
change of the world.

It has been, and with some who glory in the appellation of intelligent practitioners of medicine, even now is, a mooted question, whether consumption of the lungs be curable at all. This is conclusively settled by the discoveries of the present century. That tubercles have been deposited in the lungs, have softened, and been expelled; that the lungs have healed up, and been restored to almost pristine integrity, we have ample proof in the post mortem appearances which these organs frequently present. The symptoms of phthisis having been markedly present, and having disappeared during life; and cicatrices, which could be referred to no other cause, having been found in the lung when death has supervened upon other disorders — are facts sufficiently strong to convince a reasonable mind that phthisis has been cured: but whether by the remedies of our most worthy art, or by the simple vix medicatrix naturae, is a matter that will admit of some en-

The first part of the book is devoted to a
history of the English language from the
beginning of the world to the present time
and is divided into three parts. The first
part contains the history of the language
from the beginning of the world to the
beginning of the Christian era. The second
part contains the history of the language
from the beginning of the Christian era
to the present time. The third part
contains the history of the language
from the present time to the future.
The second part of the book is devoted to
a history of the English language from
the beginning of the Christian era to the
present time. It is divided into three
parts. The first part contains the history
of the language from the beginning of
the Christian era to the present time.
The second part contains the history of
the language from the present time to
the future. The third part contains the
history of the language from the future
to the present time.

traversy. For our own part, we are disposed
 to credit the assertion of Laennec, that phthisis
 is curable by art, and that, too, when no inconsider-
 rable portion of the breathing apparatus has
 been crippled. At least, we are convinced,
 from our limited information upon the subject,
 that the disease, by judicious management,
 has been kept in statu quo - that its fatal
 termination has been for a time postponed;
 and therefore it is not unreasonable to suppose
 that it may be postponed indefinitely - kept
in statu quo, at least till the patient, in the
 ordinary course of events, reaches a tolerably
 advanced age.

Among the various plans of treat-
 ment recommended by practitioners of the
 present day, we shall select for our guidance,
 until the progress of science shall furnish a
 better one, that laid down by our respected
 lecturer upon Theory and Practice, Professor
 Power - not neglecting, of course, whatever
 may seem hopeful in the suggestions of other

eminent teachers.

As near as memory serves us, Dr. Power's advice is, to avoid mercury, as well as blood-letting and the antiphlogistic regimen, unless there be inflammatory complications rendering them indispensable. To abstain, also, from cups, blisters, moxas, and other counter-irritants, unless they are especially demanded by the presence of pleuritic pains. To be cautious in resorting to inhalations, as being remedies of doubtful efficiency, and only to be ventured upon in the earliest stages of the disease. To use iodide of iron, in small doses, as a resolutive; and to strengthen the system by the administration of tonics—especially the martial preparations. To endeavor to invigorate the patient's constitution by changing his hygienic condition—by pure air, exercise, nutritious diet, and moderate stimulation. If the patient can afford it, by change of climate, or a sea voyage.

It has been supposed that the malaria which produces intermittent fever is beneficial

in this disease. This idea Dr. Watson — whom I refer to frequently, as being the latest authority in our schools on these subjects — believes to be an erroneous one: and there are ten chances to one that Dr. Watson is right. Yet the one chance that he is wrong, entitles the subject to such investigation as shall establish the truth or error of the suggestion. There was not a whit more of foundation for the tradition that cow-pox was prophylactic against small-pox, when Jenner's attention was first directed to that subject — indeed not so much; and if any future Jenner can demonstrate that the malaria of our marshy districts has any power to prevent or control the tubercular disease, he will assuredly crown himself with imperishable laurels, besides doing a most essential service to humanity and the profession.

We have never had the good fortune to meet with any attempt at explanation of the rationale of the foregoing suggestion. Were we disposed to indulge in a little satire, we

in the course of the year 1840
I have frequently on being the subject of
in an address in the subject - I believe to be
an erroneous one, and have in the course
of the year 1840 a right - I feel to be
that in a very early stage of the subject to which
investigation is still attached to the
investigation - then in a very early
foundation for the institution that course
professors against ourselves when we
therein we first directed to the subject
and not in general, and of my future course
we demonstrated that the nature of our
distinct for any future to present a
the technical business, to which myself
himself with sufficient funds, but
a most essential service to himself and
Professor

We have never had the good fortune to
meet with any attempt at explanation of the
retardation of the progress of the
we depend to realize in a better state

might say, granting Carew's to be correct in his theory of the deposition of tubercles on free mucous surfaces, that an intermittent fever operated beneficially by shaking them from their attachments. But really the matter deserves more serious consideration. It is an indisputable fact, that phthisis is a rare disease in the malarious districts of this country; and a close inquiry into the cause of this, might throw valuable light upon the nature of the disease we are discussing. It may be that the immunity of the inhabitants of such districts is owing simply to the use of tonic medicines, which their endemic renders necessary; but it is certainly more reasonable to suppose—granting tubercular matter to be a morbid secretion from the blood—that the influence of malaria, by altering the condition of the vital fluid, may thus correct the particular morbid phenomena which originate the deposit.

The following language of Dr. Watson furnishes us with a hint for future investi-

ought any...
his theory of the...
concerns...
directly...
attachment...
own...
further...
the...
class...
valuable...
one...
theory...
which...
it is...
country...
certain...
analysis...
find...
phenomena...
...
...
...

gestion: -

"The disease, when so limited, may cease
 "in another way. The more watery parts of the
 "morbid secretion may be absorbed; and the
 "earthy salts it contains may concrete; and
 "the whole be converted into a shriveled, hard,
 "chalky mass, which sometimes is coughed up,
 "sometimes, in favorable cases, remains for
 "years in the lung, an inert and almost
 "harmless body.

"Let me state, while I think of it, that
 "the expectoration of these chalk-like concretions,
 "denoting, as it usually does, the existence of
 "pulmonary consumption, marks at the same
 "time the chronic character of the case. I am
 "acquainted with a gentleman who, though
 "delicate, enjoys a very fair share of health,
 "and who has for years been coughing up, at
 "intervals, little branching fragments, like
 "bits of white coral, consisting principally of
 "carbonate and phosphate of lime, and evi-
 "dently moulded in the smaller bronchial

The first of these is the fact that the
 "nature of the work is such that it
 requires a certain amount of
 study and attention to be given to
 the subject in order to be able to
 do it properly. It is not a matter
 of chance, but of necessity, that
 the student should be prepared to
 spend a certain amount of time
 in the study of the subject.

It is not, however, sufficient to
 have a certain amount of time
 spent in the study of the subject,
 but it is also necessary that the
 student should be able to apply
 the principles of the subject to
 the facts of the case. It is not
 enough to know the principles,
 but it is also necessary to be able
 to apply them to the facts of the
 case. It is not enough to know
 the principles, but it is also
 necessary to be able to apply them
 to the facts of the case. It is not
 enough to know the principles, but
 it is also necessary to be able to
 apply them to the facts of the case.

"tubes."

Now if the blood of consumptive patients were analysed carefully and diligently, there is just a bare possibility that it might be found to contain an excess of the earthy salts, thus incidentally alluded to; and should the investigation be pushed a little further, and the earthy salts in such excess, actually found to consist of carbonate and phosphate of lime, why, by directing the treatment steadily and perseveringly to overcome this condition of the blood, may we not discover an agent whose virtues will be as specific against tubercles, as quinine against the malaria of intermittents.

After all, may not carbonic acid be the root of this terrible evil, phthisis. We shall devote a brief space for summing up some of the circumstances which render it probable. The disease is most frequent in large cities, where carbonic acid is copiously generated by various agencies. It

The first of the things of consequence
 that we must consider is the
 fact that the country is not
 so fertile as it once was
 and the soil is becoming
 more and more barren
 every year. The reason
 of this is the
 over-cultivation of the
 land and the
 want of proper
 manure. The
 farmers should
 be encouraged
 to use more
 manure and
 to rest their
 land more
 frequently.

is more immediately produced by living in badly ventilated or crowded apartments, where there is not sufficient pure air to carry off the carbonic acid generated by the system, and which is consequently re-inhaled. It is said to be often induced by the depressing effects of continued grief—and how? Why, one of the well-known physiological effects of this passion is, partially to suspend or interrupt the action of the lungs, and, therefore, to prevent the proper decarbonization of the blood. Long and intense application of the mind, another predisposing cause, may operate in the same way. Mechanical compression of the lung, from various causes, may predispose to the disease in the same way—namely, by preventing due decarbonization of the blood.

Again, almost the only means that are at all available in the treatment of this disease, may be explained to be so upon the principle that they operate to de-

I have already pointed to being in health
with it in a number of instances, where the
is not sufficient force in the body
the substance is not generated by the
but, and which is consequently, in health
It is said to be often induced by the
ing effects of continued grief and loss
It is one of the well known physiological
effects of this liquor, is probably to
lead or interfere with the action of the
and therefore, to prevent the proper
circulation of the blood, and in some
application of the mind, in the
case, may operate in the same way. The
chemical composition of the liquor, from which
it is derived, may contribute to the disease in some
instances, by generating the disease
of the blood.

It is also said, that the
of the liquor, is the treatment of
the disease, may be explained to be
from the principle, that the liquor is

carbonize the blood. Why is a patient advised to seek a location which will secure to him the benefit of a pure atmosphere, but for this object? Does not exercise contribute to the same purpose, by increasing the frequency of respiration? Do not change of scene and travel—which effect the double purpose of securing to the patient good air, and dispelling the depressing emotions which impede the action of the lungs—contribute to the same end? And, lastly, does not a sea voyage—a means of such signal efficacy often—besides uniting in itself all the good results of the above mentioned agents, offer the additional advantage, that the patient is removed from such sources of carbonic acid as the decomposition of vegetable matters in atmospheric air.

Furthermore, may not the efficacy which has been attributed to a residence in malarious districts, be explained by

...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...
 ...to be ...

...to be ...
 ...to be ...
 ...to be ...

the same mode of reasoning. The decom-
 position of vegetable matters in marshy
 places, instead of furnishing carbonic acid,
 forms carburated hydrogen, which — even
 if it be not, as has been suggested, the prin-
 ciple of malaria itself — differs widely in
 its effects upon the system from the former
 agent.

To recur to the suggestion that tuberc-
 les may be the result of an excess of the
 earthy salts in the blood, let us examine
 how far it is substantiated by the age
 at which the disease most frequently occurs.
 Phthisis is rare before the age of eighteen,
 while the process of ossification is yet going
 on; and while, consequently, there is a con-
 stant demand for all the earthy salts that may
 be formed in the system. It is of most
 frequent occurrence from the age of eight-
 een to thirty-six. After the latter period, it
 declines in frequency. How may this be
 accounted for? Why, after this age, we

to some mode of removing the labor
function of vegetable matter in nearly
places, instead of furnishing carbonic acid
from carbonated hydrogen, which was
if it be not as has been suggested to form
effort of nature itself - differs widely in
the effort upon the system from the former
agent.

It is now to the suggestion that labor
also may be the result of an excess of the
acidly salt in the blood, let us examine
how far it is substantiated by the facts
which the disease most frequently occurs
Pneumonia is more before the use of opium
while the process of effluvia is yet going
on, and while, consequently, there is a con-
stant demand for all the earthy salt that may
be found in the system. It is of great
frequency occurrence from the use of opium
seen to this day. After the latter period, it
declines in frequency. How long this is
accounted for? Why, after this age we

find that earthy salts begin to predominate over animal matter in the bones — that the tendency to ossification of the blood vessels commences — and that calculous diseases of the urinary organs, become more frequent. Now, would it not be worth the while, to enquire, how far the existence of the two species of disorders is compatible? The statistical spicidity of a Louis might satisfactorily settle these points.

Against all these suggestions, we have militating arguments in the hereditary character of the disease, and in the fact, that certain conditions of the lung, such as emphysema, are unfavorable to the development of tubercles. These would seem to indicate that the fault lay in the structure of the organ, and not in any morbid condition of the blood. Were our object, however, to establish a new theory, a little ingenuity might serve to explain away these obstacles. But we

find that the only way to secure
 an annual surplus is to keep the
 tendency to expenditure of the
 government and that whatever surplus
 of the treasury is required to meet the
 wants of the public it is not to be
 taken from the public, but from the
 of the treasury of which is a constant
 bill the statistical figures of a year
 might be obtained by the following
 figures all this suggestions are
 based on a study of the accounts in the
 very committee of the treasury and in the
 fact that certain conditions of the
 and in consequence an improvement
 to the improvement of the treasury
 would be to increase the public debt
 in the estimate of the year and not
 any other consideration of the debt
 in that measure to establish a
 theory of the improvement of the
 to explain every thing which

have intended merely to indicate, by these crude remarks, certain points, upon which we design to bestow future study and research.

Palani, alluding to the disciples of Aselepiades, remarks - "they are of opinion that the man who has first learned in what manner these (disorders) happen, will be capable of curing them." This is in accordance with our own sentiments, and we have no doubt, that as soon as it is ascertained what is the deleterious principle in the blood which occasions tubercles, there will, also, be discovered a means for eliminating it from the blood. God send the speedy advent of the man who shall thus muzzgle this voracious disease!

4

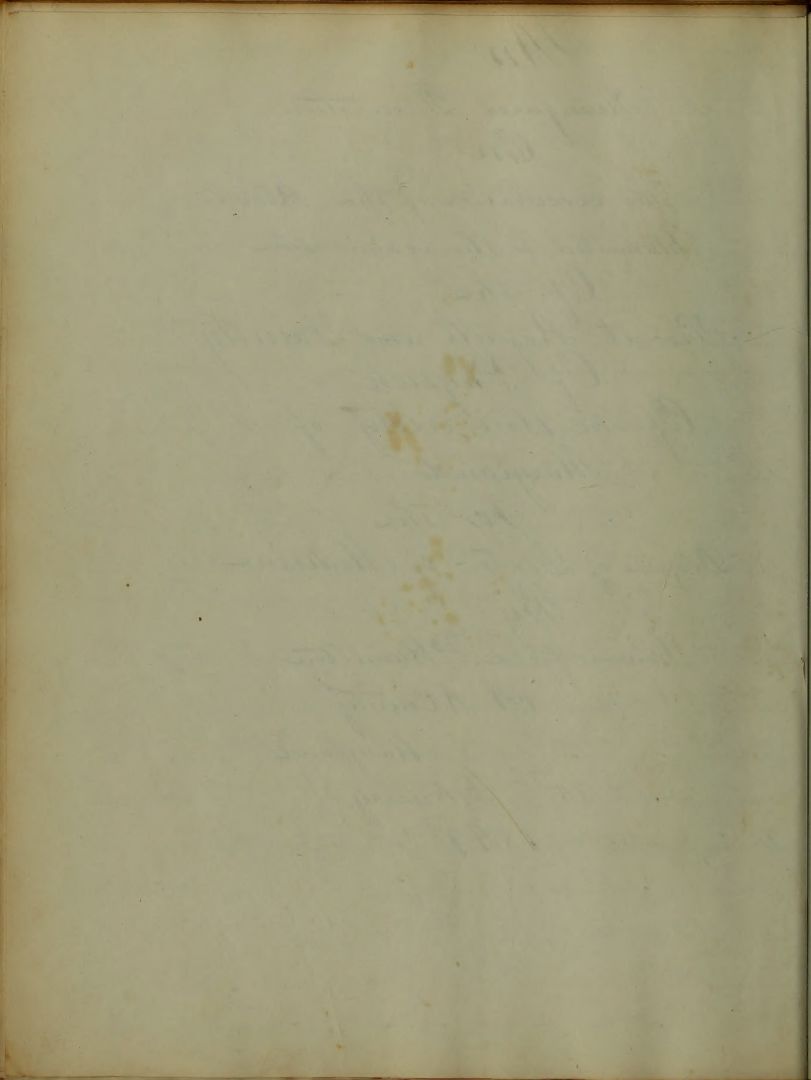
June 20th 1857

Dear Sir,

I have the honor to acknowledge the receipt of your letter of the 15th inst. in relation to the above named matter, and in reply to inform you that the same has been forwarded to the proper authorities for their consideration.

I am, Sir, very respectfully,
 Your obedient servant,
 J. W. [Name]

An
Inaugural Dissertation
On
The circulation of the Blood
Submitted to the examination
Of the
Provost Regents and Faculty
Of Physick
Of the University of
Maryland
For the
Degree of Doctor of Medicine
By
Summerfield P. Hamilton
A A County
Maryland
15th February
1847



Dedication

Gentlemen

I should not have had the presumption to intrude upon your attention this attempt at composition were I not compelled by a rule incumbent upon every student whose aspirations and ambition consist in a hope to be admitted as a brother in your profession, together with an opportunity it affords to express my grateful sentiments for your unwearying exertions to lay open to my understanding the many sources of knowledge in your science and although buoyed up by hope the never absent friend and companion of those whom confidence has abandoned yet I almost shrink from the attempt through a conviction of inability to perform in a laudable manner the task and nothing but a desire to comply with the obligations under which I am placed and a confidence that you will make all due allowance for the juvenile writer in his full efforts to give you a memento of gratitude and respect could have induced me to attempt an essay.

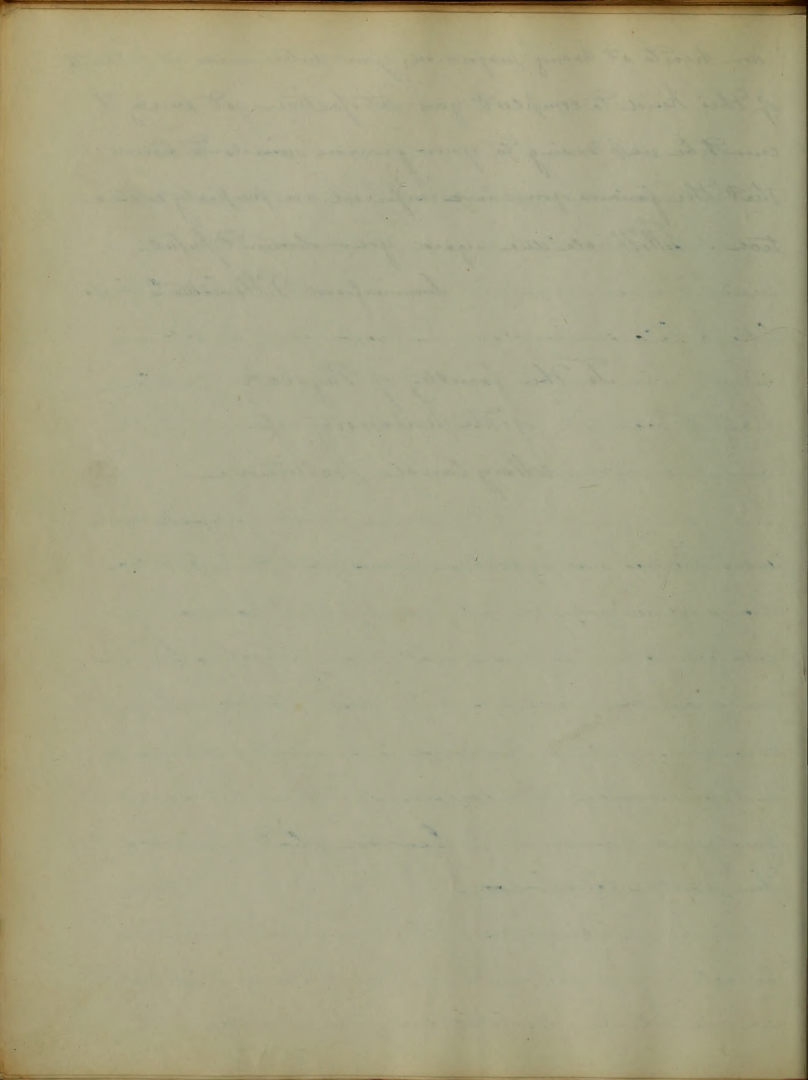
Now gentlemen—occupying the situation that you do and having the plaudits of your

[The text on this page is extremely faint and illegible, appearing as ghosting or bleed-through from the reverse side of the paper. It consists of several paragraphs of handwritten text.]

own hearts at having performed your duties needs no moments
of this kind to complete your satisfaction - yet surely it
cannot be unpleasing to your generous minds to know
that the favours you have conferred are properly estima-
ted. With all due regard your obedient pupil.

Samuel J. Hamilton

To the faculty of Physick
of the University of
Maryland Baltimore



Preface

To those who lived several centuries ago the knowledge of Human Anatomy was partially if not totally unknown and it was not until the stern principles of philosophy and the advance of learning raised the veil of superstitious dread that had hitherto like a halo surrounded and prevented the solemn repose of the mouldering dead from being disturbed that it became a subject worthy the attention of the learned and curious.

After this period followed numerous theories and hypotheses garnished with hyperbolic and novel language promulgated by men who were incapacitated to comprehend what their dissecting knives revealed prompted by a vain desire to become immortalised which was believed to be incontrovertible by the ever credulous public because there was no one who dared to assail single handed what the voice of the people sanctioned.

Publications of this kind continued to attract and amuse the attention of the public each one had their proselites and like a winter they

Lecture

The following is a list of the names of the students who attended the lectures given by the Rev. Mr. [Name] during the year 18[]-18[] at the [] of the [] in []

[The rest of the page contains a list of names, which is extremely faint and illegible due to the quality of the scan.]

made for a short time a quack appearance but finally exploded leaving apparently that which the author abortively attempted to elucidate in a darker cloud of obscurity than before and all the exertions of the anatomists to make their names useful to the science of Medicine seemed fruitless Exhausted by long continued efforts to aid mankind by some useful discovery it appeared as if they were about to give over their project as chimerical and fantastick when the immortal Harvey made known to the astonished literate of the world in a publication in 1629 his discovery of the circulation with an accurate idea of the function or modus operandi of the heart and although there were incontestable evidence of the validity of his discovery yet many of his contemporaries either through prejudice or preconceived notions ever adopted his doctrine of the circulation but whatever the caprices and prejudices of the ancients may have been they and their faults are gone together and it is left for the moderns to award to merit its due which they have done by attributing to Harvey all that he merits.

The honour of the discovery is therefore his and by
it his name has been immortalised for its impor-
tance to the Physiologist and Pathologist is unbounded
inasmuch there is no one of the branches of Medicine
that it has not completely revolutionised.

This revelation as might have been expected
rouse from that lethargy into which anatomical
research had sunk and in quick succession followed
explanations of nutrition waste and the functions of the
different organs with the decarbonization of the
blood satisfactorily proving that Anatomy in future
must forever be considered as the basis of
Medicine.

How vague and inaccurate must
have been the ideas of early Pathologists relative to
the doctrine of acute diseases in which the cir-
culation is largely affected. diseases which agreeable to
the estimate of some writers forms two thirds of the
morbid affections to which mankind are liable
How unbounded how profuse should be the plaudits
and eulogy of a grateful world to the illustrious
revealer for the many baleful diseases he discovered

of their mortality by this discovery.

When does the man of Medicine when called to relieve suffering humanity first apply to ascertain the nature and character of the disease affecting his patient but to the circulation. His scrutiny does not stop here but he examines with great care and confidence the appearance of the circulating fluid and there is not ten cases out of a hundred that something is not disclosed to satisfy him as to what the malady may be and it is to this all important theme that I propose to make a few remarks worthy the attention of a writer better qualified to do it justice than I am

Circulation

In order to make an introduction the heart must be considered as the centre organ of circulation whose function consists in propelling the blood with the various products of absorption through the lungs and then throughout the whole system along the arteries and capillaries to be returned by the veins to undergo the same changes in the lungs as before thus accomplishing a circuit.

The lower class of animals differ much in their organs of circulation. In some the apparatus appears to be commingled with the digestive in others the blood is propelled without any great centre organ and in others again the heart is but a single organ but in man and in the upper class of animals the heart is double consisting of two sides or indeed of two hearts separated from each other by a septum.

Anatomy of the Circulatory organs.

The circulatory apparatus is composed of the organs by which the blood is put in motion and along

On the Circulation

It is to be understood that the circulation of the blood is a process of exchange, in which the oxygen of the air is taken up by the lungs and the carbonic acid is given off. The blood is then carried to the various parts of the body, where it gives up the oxygen and takes up the carbonic acid. The blood is then carried back to the lungs, where it gives up the carbonic acid and takes up the oxygen. This process is repeated over and over again.

The blood is carried by the arteries to the various parts of the body, and is then carried back to the heart by the veins. The heart is the central organ of the circulation, and it is the force of the heart that keeps the blood moving. The blood is carried to the lungs by the pulmonary artery, and is then carried back to the heart by the pulmonary vein. The blood is then carried to the various parts of the body by the arteries, and is then carried back to the heart by the veins. This process is repeated over and over again.

which it passes in its circuit.

Heart

The heart as I before said is in man composed of two or a double organ and that each system of circulation is composed of a heart of arteries through which the blood is sent from the heart and of veins by which the blood is returned to it. The minute termination of each of these is the capillary system. I shall first describe the central organ as forming two distinct hearts and afterwards the two united.

The pulmonic or anterior heart also called the heart of black blood is composed of an auricle and a ventricle. The auricle so termed from some resemblance to an ear is situated at the base of the organ and receives the whole of the blood returning from the various parts of the body by three veins. The two vena cava and the coronary vein. The vena cava descendens terminates in the auricle in the direction of the aperture by which the auricle communicates with the ventricle. The vena cava ascendens the termination of which is directed more backwards has the remains of a valve which is much larger in the foetus called the valve of Bistachius

The third vein is the coronary it returns the blood to the heart which has been carried further by the coronary artery.

The opening through which the auricle projects its blood into the ventricle is situate downwards and forwards. The inner surface of the auricle is distinguished by having a number of fleshy pillars in it which from their supposed resemblance to the teeth of a comb are called muscull pectinati. The right ventricle is situate in the anterior part of the heart the base and apex corresponding to those of the heart it communicates with the auricle by the auriculo ventricular opening and the only other opening into it is that which communicates with the interior of the pulmonary artery. The opening between the auricle and ventricle is furnished with a tricuspid valve and the pulmonary artery has three others called sigmoid or semilunar. The systemic heart called also the heart of red blood has likewise an auricle and a ventricle. The left auricle is considerably thicker and stronger but smaller than the right. The columns in the latter are like those of the right but less distinct. The left auricle receives the blood from the pulmonary

The first part of the book is devoted to a history of the
country from the earliest times to the present day.

The second part is a description of the country
as it is at present, and of the progress of its
civilization and commerce.

The third part is a description of the country
as it is at present, and of the progress of its
civilization and commerce.

The fourth part is a description of the country
as it is at present, and of the progress of its
civilization and commerce.

The fifth part is a description of the country
as it is at present, and of the progress of its
civilization and commerce.

veins. The left or aortic ventricle is situated at the posterior and left part of the heart. Its sides are three times thicker and stronger than those of the right ventricle to permit the much greater force which it has to exert. It is narrower and rounder but considerably longer than the right ventricle and forms the apex of the heart.

The internal surface of this ventricle has the same general appearance as the other but differs from it in having its columnae carneae larger - more numerous firmer and stronger. In the aperture of communication with the corresponding auricle there is a valve which has been termed mitral from some supposed resemblance to a bishop's mitre behind. The commencement of the pulmonary artery a round opening which is the mouth of the aorta.

Here are three semilunar valves exactly like those of the pulmonary artery but a little stronger. The structure of the two hearts is the same. A serous membrane covers both which is an extension of the inner membrane of the pericardium and the cavities are lined by a thin membrane. The

The first part of the book is devoted to a general
description of the country and its inhabitants.
The second part contains a history of the
country from the earliest times to the present
day. The third part is a description of the
natural history of the country, and the fourth
part is a description of the political and
social state of the country. The fifth part
is a description of the commerce and
industry of the country. The sixth part
is a description of the education and
religion of the country. The seventh part
is a description of the laws and
constitution of the country. The eighth
part is a description of the military and
naval forces of the country. The ninth
part is a description of the arts and
sciences of the country. The tenth part
is a description of the literature and
philosophy of the country. The eleventh
part is a description of the music and
drama of the country. The twelfth part
is a description of the architecture and
painting of the country. The thirteenth
part is a description of the sculpture and
pottery of the country. The fourteenth
part is a description of the jewelry and
goldsmithing of the country. The fifteenth
part is a description of the bookbinding and
printing of the country. The sixteenth
part is a description of the paper and
writing of the country. The seventeenth
part is a description of the printing and
publishing of the country. The eighteenth
part is a description of the booksellers and
libraries of the country. The nineteenth
part is a description of the book trade and
the book market of the country. The
twentieth part is a description of the
book industry and the book trade of the
country.

endocardium. The arteries are solid elastic tubes which arise by a single trunk from the ventricle of each heart and gradually divide and subdivide until they are lost in the capillary system. The arteries are composed of different coats in superposition first an external cellular then a muscular or proper coat lastly the third or inner coat smooth and polished and is a continuation of the membrane which lines the ventricles. The capillaries are nothing more than the ending of the arteries and the commencement of the venous system. The veins like the arteries have three coats but different some what in their textures.

Physiology of the Circulation

The blood contained in the circulatory apparatus is in constant motion. The venous blood brought from every part of the body is emptied into the right auricle. It passes into the corresponding ventricle. The latter projects it into the pulmonary artery by which it is conveyed to the lungs passing through the capillary system into the pulmonary veins. These convey it to the left auricle from the left auricle it enters

The following is a list of the names of the persons who have been admitted to the office of Justice of the Peace for the year 1880. The names are arranged in alphabetical order.

1. A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

2. A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

3. A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

4. A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

5. A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

6. A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

7. A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

8. A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

9. A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

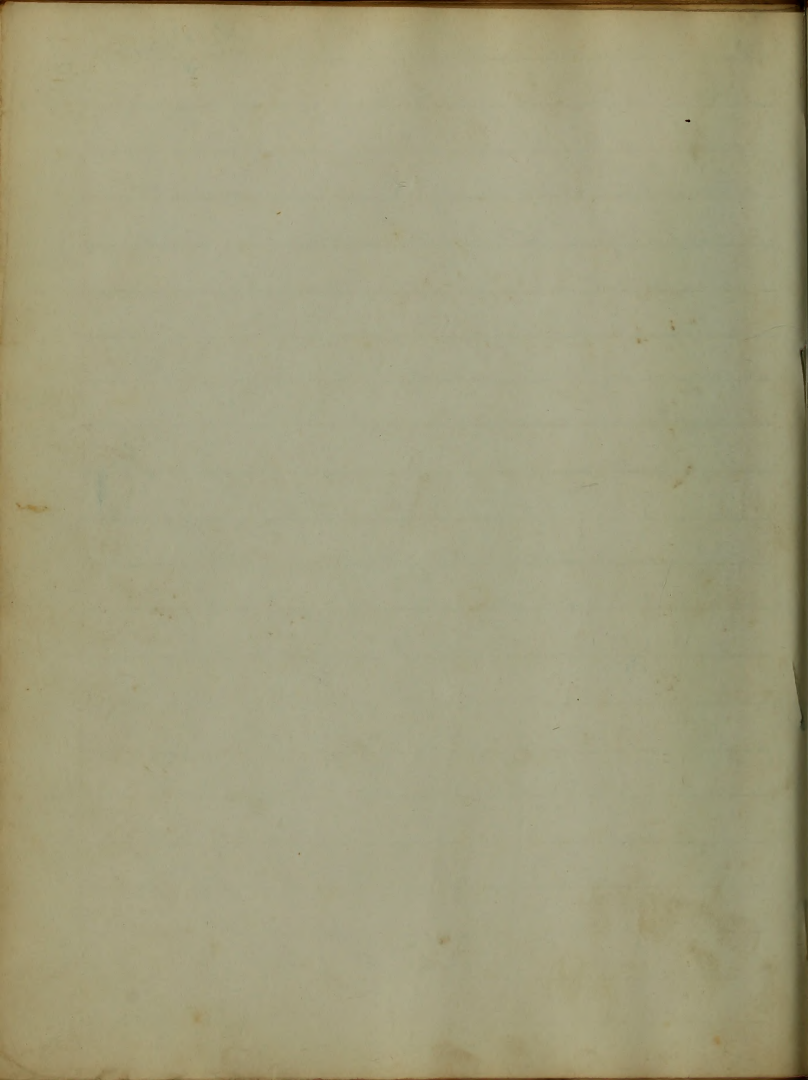
10. A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

The corresponding ventricle The latter projects it into the aorta along which it passes to the different organs and tissues of the body through the general intermediate capillary which communicates with the veins These last vessels return the blood from whence it set out. This entire circuit includes both the lesser and the greater circulation. The power employed in the circulation is threefold first that of propulsion secondly by suction Thirdly by capillary attraction.

It was not until the commencement of the seventeenth century that any precise ideas were entertained regarding the general circulation but at the present day it is well understood

1842

Received of the
Honble the Secy to the
Govt of Madras
the sum of Rs 1000
for the
purchase of
the
of the
of the
of the



An
Inaugural dissertation

On
Pleurisy

Submitted to the examination of the
Provost, Regents and Faculty of Physic
of the
University of Maryland

for the
Degree of Doctor of Medicine

by
Abraham S Baldwin

Baltimore Infirmary Feb 10th 1877

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

To William Power M.D.

Professor of Theory and Practice
in the University of Maryland

This essay is dedicated as a testimony
of the high esteem in which his
talents and unremitting exertions for
the promulgation of the true principles
of the science are held by the

Author

J. Johnson, Esq.

My dear Sir,
I have the honor to acknowledge the receipt of your letter of the 10th inst. in relation to the purchase of the land for the purpose of building a school house. I have the pleasure to inform you that the same has been approved by the Board of Trustees and the necessary steps are being taken to complete the purchase. I am, Sir, very respectfully,
Your obedient servant,
J. Johnson

In compliance with the requisition
of a Student presenting himself before
your honourable body; for an examination
for the Degree of Doctor of Medicine,
I submit to your inspection the
following dissertation on the subject of
Pleurisy. The limits of a thesis will
not permit a full examination of all
its various complications, a few however
of the most important will meet with
a passing notice; "Pleurisy is an
inflammation of the serous membrane
that lines the cavities of the chest
and invests the organs therein contained."
And the order I propose treating of
it is in the first place, to devote a
few pages to the pathological changes,
then its causes; general symptoms;
and Physical signs, Prognosis; and
treatment; The Pleura like all
other serous membranes when inflamed
its functions are deranged, redness

and congestion are the first alterations, which it undergoes and is seated principally in the subserous membrane which is seldom softened, and still vascularized; during this early stage of congestion the secretions are diminished or totally suspended, and the membranes no longer glide over each other with their accustomed ease. This condition of things however does not last long, in a few hours the secretions return with increased quantity being poured out into the cavity of the pleura, varying from a few ounces to several pints; when the effusion is great the lung is compressed a part of the breathing apparatus rendered inactive; and in this way giving rise to great dyspnea; and in these cases the lung is not only compressed, but the diaphragm is also pressed down displacing in a degree the liver-stomach

and spleen; and if the effusion be seated on the left side the heart is also more or less displaced and pushed over towards the right-side;

The liquid exhaled from the inflamed membrane presents a great many varieties; sometimes clear resembling pure serum again rendered turbid by the flocculi of albumen which float about in it; sometimes yellow or discoloured by the exhalation of a small quantity of blood, and again it presents all the characters of pure pus. Whatever may be the appearance of the effusion whether transparent serum blood pus or what not, they are always perfectly inodorous unless there is an external opening with the atmosphere or a communication through the lung; of this fluid a portion is absorbed, and that which is termed coagulable lymph becomes

1
The first thing I did was to
go to the bank and see
how much money I had
left. I found I had
just about enough to
get on for a few days.
I then went to the
grocery store and bought
some food. I then
went to the post office
and sent a letter to
my mother. I then
went to the library and
borrowed a book. I
then went to the
park and had a picnic.
I then went to the
cinema and saw a
movie. I then went
to bed and fell asleep.
The next day I went
to work and did my
job. I then went home
and had dinner. I
then went to bed and
fell asleep. The day
after tomorrow I will
go to the bank and
see how much money
I have left. I will
then go to the grocery
store and buy some
food. I will then go
to the post office and
send a letter to my
mother. I will then
go to the library and
borrow a book. I will
then go to the park
and have a picnic. I
will then go to the
cinema and see a
movie. I will then
go to bed and fall
asleep.

4
organized; many and interesting are
the experiments that have been performed
on the lower order of animals to prove
the rapidity with which it undergoes
organization and form false membranes
binding the lung down and very materially
interfering with the functions of the
organ; the lung occupying from necessity
a smaller space than natural, and
being unable to expand and fill up
the cavity; the walls of the chest from
atmospheric pressure, becomes flattened
and retracted producing a permanent
deformity; therefore one of our main
objects in the treatment should be
to control as much as is in our
power, the formation of these unnatural
bands, not only in order to prevent
deformity occasioned by them, but they
are also very apt to become at some
future period the favourite seat of
tubercular deposit

The experiment that has been performed
 on the lower part of animals is found
 the rapidly with which it is
 reorganized and forms the
 during the long time and very
 satisfactory with the function of the
 organs the long wrapping
 is similar to that of the
 this matter is to explain the
 the body, the cells of the
 atmosphere become
 the cellular structure of
 the body, therefore the
 of the body, the
 to explain as much as
 from the formation of these
 that not only in the
 depending on the
 the cells are not the
 further from the

5

So much for the anatomical characters presented, and we pass in the next place to consider the causes which give rise to them, which are nearly those that produce inflammation in all other serous membranes; cold as being, a common producing cause is incontestably proved from the season in which this disease mostly appears; and the circumstances which modify its effects are various, the most favourable condition for its deleterious effects upon the system, is in combination with moisture or when the person is in profuse perspiration, and the capillaries are in a high state of excitement, and in this way suppressing the perspiration and interrupting the proper physiological action of the cutaneous exhalents; mechanical injuries also operate to produce the same effect, such as punctured wounds whether inflicted by pointed instruments, or the end

of a fractured rib; inflammation of the parenchyma of the lung, by coming in contact with the membrane is almost always accompanied with more or less Pleurisy, and to this state of things authors have given the appellation of Pleuropneumonia which term should never be used. Says Dr. Ferri unless the Pleurisy is sufficient to produce effusion and give rise to a distinct and separate disease;

Tubercular deposit is evident to every one that is accustomed to witnessing the progress and termination of this disease, as being a fruitful source of Pleurisy; sometimes only producing a slight inflammation with the effusion of a small quantity of coagulable lymph which gives rise to adhesion of the pulmonary with the costal pleura, which is so universally found in phthisical patients after death, again a vesicle bursts into the cavity of the pleura, or

of a further act; in consequence
 of the bankruptcy of the party
 in contract with the merchant is actual
 always accompanied with some or the
 bankruptcy, and to this state of things and
 are given the application of bankruptcy
 which term should never be used. They
 the first and last the bankruptcy is the first
 to produce of course and give rise to
 a bankrupt and separate estates
 bankruptcy estate is subject to every
 as that is equivalent to not having
 the property but the ownership of it
 since as long as the first estate of
 bankruptcy is continued only bankruptcy is
 kept in liquidation with the estate
 of a small quantity of property
 which gives rise to a bankruptcy of the bankruptcy
 with the estate of course which is
 necessarily given in the first estate
 after that again a separate estate
 with the estate of the bankruptcy

the tubercles are seated immediately under the membrane and in this way give rise to intense inflammation accompanied with effusion, and all the symptoms of pleurisy;

The symptoms by which it may be recognized when present, will next occupy our attention, the pain one of the most characteristic signs, presents numerous varieties with respect to its seat intensity and duration, it is mostly felt a little below the nipple, although the extent of the inflammation may be considerable, it is sometimes felt in the axilla, and occasionally in different parts of the chest, it is also wandering for sometime, but when it becomes fixed and stationary whatever may be its seat it is a sharp lancinating pain, or more expressively called a "stitch", and

The following is a list of the names of the
persons who have been appointed to the
various offices of the Board of Directors
of the Bank of the City of New York
for the year 1854.

The President is
The Vice Presidents are
The Cashier is
The Directors are
The Officers of the Bank are
The names of the persons who have been
appointed to the various offices of the
Board of Directors of the Bank of the
City of New York for the year 1854
are as follows:

-5

is generally increased by percussion
inspiration, cough, lying on the
affected side, and in fine any
thing that gives motion to the
inflamed parts; it is mostly
accompanied or preceded by a chill
or rigor, and judging from the
severity of which, we can form
a pretty correct idea of the intensity
and duration of the subsequent
disease, it is followed in a short
time by more or less reaction, and
febrile symptoms, although sometimes
considerable seldom rising so high as
in pneumonia; in consequence of
the severity of the pain even before
there is any effusion the breathing
is impeded, the inspirations are short
and hurried, and the patient will
not dilate his chest to its usual size
in consequence of the great pain
it occasions, when the effusion has

The University of Cambridge
 has been founded by King
 Henry the Third in the
 year 1209. It is the
 most ancient and
 noblest of universities
 in England. It is
 situated in the city
 of Cambridge, in the
 county of Cambridge.
 It is governed by
 a Senate, which
 consists of the
 Rector, the Vice-
 Chancelor, the
 Chancelor, the
 Proctors, and the
 Masters of the
 Colleges. The
 Senate has the
 power of making
 laws for the
 government of the
 University, and
 of admitting
 new members.
 The University
 is divided into
 four Faculties,
 which are the
 Faculty of Arts,
 the Faculty of
 Divinity, the
 Faculty of Law,
 and the Faculty
 of Medicine. The
 Faculty of Arts
 is the largest,
 and the Faculty
 of Divinity is
 the most
 distinguished.
 The Faculty of
 Law is the
 most ancient,
 and the Faculty
 of Medicine is
 the most
 modern. The
 University has
 many noble
 buildings, and
 a great number
 of libraries. It
 is one of the
 most famous
 universities in
 the world.

1
taken place we can readily conceive
the difficulty of breathing will be
in proportion to the amount of liquid
in the chest, many cases however are
given by authors in which the breathing
remained easy and natural during
nearly the whole course of the disease
cases in which the effusion came
on by degrees unaccompanied by pain
and the healthy lung has time
to accommodate itself to its increased
duty, cough as a symptom is not
always present, though when it does
exist is dry and as it were half-
suppressed, if accompanied with
expectoration it is purely catarrhal
unless accompanied with bronchitis
and then we have the sputa designating
its presence, if complicated with
pneumonia, then we have the rusty
sputa so characteristic of that disease;
various and conflicting are the

10

opinions with regard to the position
the patient assumes in the different
stages, none of which I shall present
here, except that mentioned by Dr.

Watson, and supported by facts and
reason, and now generally conceded
to be the correct view, that the
patient in the first stage while
the pain is severe mostly lies on
the healthy side or back and when
the pain has diminished in severity
and effusion taken place, the patient
instinctively inclines towards the affected
side to give free expansion to the
healthy lung and that side of the
chest, and at the same time to
prevent the pressure of the fluid
downward on the mediastinum and
in this way impede the functions
of the healthy lung; the pulse
is full hard and bounding difficult
to compress and subdue

11

differing in this respect from the soft pulse in pneumonia and the small thready pulse of abdominal inflammation; the urine is scanty and high coloured; the tongue presenting nothing peculiar in this disease, but is that of simple inflammation; generally covered with a white frothy looking fur, the stomach and bowels nearly suffer much unless the febrile symptoms are very great

Such is the array of general symptoms presented in a case of simple acute Pleurisy, no one of which can be strictly called characteristic, the pain which is most generally present differs very little from that of pneumonia, and frequently assimilates very closely Pleurodynia; and so with the cough chill &c, all of which are incident to other diseases; but when taken

The first part of the paper is devoted to a
general survey of the subject, and to a
description of the various forms of
the disease, and of the manner in which
it is communicated. The author then
discusses the symptoms, and the course
of the disease, and the manner in which
it is terminated. He also discusses the
prognosis, and the treatment of the
disease. The paper is written in a
clear and concise style, and is
highly interesting and instructive.

in connection and observing the order of their succession and the mode of their attack, we may be able in many cases to form a correct diagnosis and again in many cases it would not only, be very unsatisfactory, but altogether impossible; fortunately however we have another and very important set of signs, termed Physical which when taken in connection with the preceding render the diagnosis easy, and certain; the first of which is the friction sound produced by the rubbing together of the inflamed membranes, roughened by congestion and the deposition of coagulable lymph. thrown out on their previously smooth surfaces; like all other morbid sounds heard within the chest it is capable of much variety in tone and degree; but its most common character is that

of alternate rubbing; as soon as a slight-effusion has taken place it is announced by dulness on percussion, which is at first seated at the base of the lung, and goes on increasing untill frequently the sonorosity of the whole of that-side of the chest is diminished, this dulness is changeable when the effusion is not sufficient to fill the whole cavity, changing with the posture of the patient- always gravitating to the most depending point, differing in this respect from the dulness in pneumonia which always remains the same, let the patient assume whatever-posture he may; From the commencement of the disease even when there is no effusion, while the pain is very acute, if we apply our-ear to the chest the vesicular-murmur is decidedly weaker on the painful side than natural

The first object of the present
 is to determine the nature of the
 which is a kind of matter at the
 of the lungs, and also the
 nature of the matter which
 of the matter of the lungs
 chest is examined, this will
 changeable when the system is
 sufficient to fill the whole
 changing with the nature of the
 system - always proportionate to the
 depending partly upon the
 from the lungs in proportion
 always remains the same, but
 system always whatever
 nature; and the
 the matter is more than
 appears with the
 nature of the matter
 the matter is more than
 in the lungs

14
from the dread the patients has of
expanding the chest, and in this way
preventing free admission of air into
the lung; when effusion has taken
place; the respiratory murmur becomes
weaker in proportion to the amount
of liquid present. untill at last it
is almost entirely wanting; and
in its stead we have bronchial
respiration, a sound resembling the rushing
of air through a number of small
tubes or quills, when the lung is
compressed by a great quantity of
liquid if we apply our hands on the
chest and get the patient to speak
there is almost a total absence of
vocal thrill, caused by the intervention
of the fluid between the lung and
the wall of the chest, just the reverse
of the increased vocal fremitus, when
the parenchyma of the lung is rendered
solid by inflammation,

Another and very important sign though not always present, when heard may be strictly called pathognomonic is that sound which writers have generally concluded to call agaphony, or goat's voice, this appellation was first given to it by Laennec. from its supposed resemblance to the bleating of a goat, it is capable of undergoing various modifications, sometimes truly resembling the trembling voice of a goat, again we hear a sound as if a person was speaking through a trumpet, and sometimes as if the voice was partially suppressed, or spoken through the nose, it varies considerably according to the amount of liquid present, and as long as the effusion is inconsiderable the voice presents no modifications, and when the liquid present is sufficient to entirely compress the lung and prevent the admission of air into the bronchial

The first part of the paper is devoted to a
 general consideration of the subject, and
 to a statement of the objects of the
 present inquiry. It is then divided into
 three parts, the first of which is
 devoted to a consideration of the
 general principles of the subject, and
 the second to a consideration of the
 particular principles of the subject.
 The third part is devoted to a
 consideration of the application of
 the principles to the subject.
 The first part of the paper is devoted
 to a general consideration of the
 subject, and to a statement of the
 objects of the present inquiry. It is
 then divided into three parts, the
 first of which is devoted to a
 consideration of the general
 principles of the subject, and the
 second to a consideration of the
 particular principles of the subject.
 The third part is devoted to a
 consideration of the application of
 the principles to the subject.

14

tubes we do not have this peculiar
voice, but it is presented in the most
marked degree when the fluid is
barely sufficient to compress a portion
of the lung, egophony is produced by
the passage of the vibrations of the
bronchial tubes from the compressed lung
through the fluid to the walls of the
chest, and can be heard best generally
about the angle of the scapula,

Before leaving the auscultatory signs
I will mention another which is
heard only when there is air in the
cavity of the pleura at the same time
with fluid, and this is succussion
which is produced by shaking the patient
by the shoulders and at the same time
applying the ear to the chest, we hear
a splashing of the liquid against
the walls of the cavity,

The changes that take place
in the healthy side are increased

in the history we are now
The changes that take place
the walls of the cavity.
a splashing of the liquor against
applying the ear to the chest we hear
by the shoulder and at the same time
which is produced by shaking the chest
with fluid, and this is accompanied
by the splashing of the liquor at the same time
of well mounted another which is
heard only when there is air in the
cavity of the pleura at the same time
before leaving the respiratory organ
about the angle of the scapulae.
chest, we can be heard but generally
through the fluid to the walls of the
cavities but from the splashing
the passage of the vibrations of the
of the lung, especially a frequency
hardly sufficient to excite a feeling
we are again when the chest is
case, but it is produced in the most
later we do not have this feeling.

resonance on percussion and puerile respiration, consequent upon the inhalation of a greater quantity of air to supply the deficiency occasioned by the affected lung;

The most frequent termination of Pleurisy is that of recovery, and this says Dr. Power if it be anywise like properly treated, should almost always be the result of simple uncomplicated acute Pleurisy, either by resolution and perfect cure or by adhesion of the costal with the pulmonary pleura, which is the next most favourable issue, when it exists however on both sides the Prognosis becomes more grave, and upon a close examination we will mostly detect the presence of tubercular deposits, though we never previously suspected their existence, sometimes in consequence of the bad state of the constitution or some other cause, it runs down into a chronic form

In treating a case of Pleurisy there are three great indications to be fulfilled, the first of which is to diminish the force of the heart and arteries, and this is done most effectually by bloodletting which should be used early and freely, no remarks however could I make with regard to the rules and mode of using this important remedy that would be half so concise and plain as the observations of Dr. Power, bleed says he; not by any formula or graduated measure, but to effect; untill the pain is diminished and the breathing becomes more natural and easy; and the pulse softer and more compressible, and in this way we frequently cut short the disease, but if the symptoms indicating it in the first place should return we again resort to general or local depletion by means of leeches or cups

The history of the case of *Johnston*
 there are three great considerations to
 be considered. The first of which is
 to consider the force of the deed and
 whether or not it is a true deed of gift
 the instrument which should be used
 being a deed of gift, or a deed of
 conveyance. I will now refer to the
 value and force of such an instrument
 namely that which is held in charge
 and plain as the intention of
 the donor. There are two things
 to be considered in this matter, first
 the intent with the land is transferred and
 the history becomes more material
 and easy; and the fact upon which
 more depends, and in this way
 we frequently see that the history
 but if the instrument is a deed
 of gift the first place should be
 we again want to know of the
 intention by means of the deed or gift

applied over the painful side, and it is this latter mode of abstracting blood, that is known to be so efficient in membranous inflammations,

The second is to increase the absorption of the effused fluid, and this may be accomplished most admirably by the administration of small and frequent doses of some of the preparations of mercury, such as proto Chloride or blue pill in combination with antimony, squills or Nitrate of Potash, and if it should operate too freely upon the bowels a few grains of Dover's powder should be added to check them; and in this way to insure its speedy effect on the system; the mercury not only serves to increase absorption and prevent the formation of false membrane but it also acts as a contra stimulant.

Revulsives in the treatment of Pleurisy can never be resorted to in the early

11
The reason is the increase the abolition
of the expense of the war and the way
to accomplish what was originally by
the administration of small and frequent
trials of some of the population of
money. That is what is intended to be
but the intention is not to be
specifically in the case of a trial case.
The number of cases to be tried in the
court is four times of those in the
trial and the cases to be tried in the
in the way to make the cases equal
in the system. The money is to be
used to make the cases equal and to
the number of cases to be tried in the
it also acts as a better stimulus
to the system in the trial of the cases
and the cases to be tried in the way

stage while the febrile symptoms are present without increasing them and giving great annoyance to the patient, but when the fever has entirely subsided, and the pain greatly diminished, and there still remain the signs of considerable effusion, we make use of ~~a~~ friction over that side of the chest with Hydrated mercurial ointment or what is more commonly used a large blister, and in this stage they become an excellent adjuvant to the other means.

But sometimes in spite of all our best directed efforts the effusion goes on increasing, and the patient's life becomes in eminent danger from suffocation we then call to our aid surgery as the last resort: to perform the operation of Paracentesis thoracis. to draw off the fluid and afford temporary relief to the patient. and it is mostly

large while the federal government
and present without increasing their
and giving great advantages to the
parties, but when the law has
entirely subjected the basic quality
remained, and that with respect to
forms of considerable differences, we make
use of a factor, and that use of the
sheet with respect to measures without
in what is more commonly used a large
letter, and in this way they have
an excellent agreement to the other
means.

But however in spite of all
our best efforts to effect the reform
and in increasing, and the same life
remains in constant danger from
the fact that the law is not
at the last resort to be applied
application of the necessary means to
of the law are often necessary
order to the federal, but it is only

but temporary, for it will soon be replaced by more, unless in those cases where it consists of blood as the result of some mechanical injury.

The last indication is to relieve pain and procure rest; which is effected by administering anodynes, and if the pain be extremely severe, by bandaging the chest so as to render the breathing almost entirely abdominal, and prevent the motion of the inflamed parts.

Original Dissertation

Submitted to the

Faculty of the

University of Maryland

in partial fulfillment of the

requirements for the

degree of

Doctor of Medicine

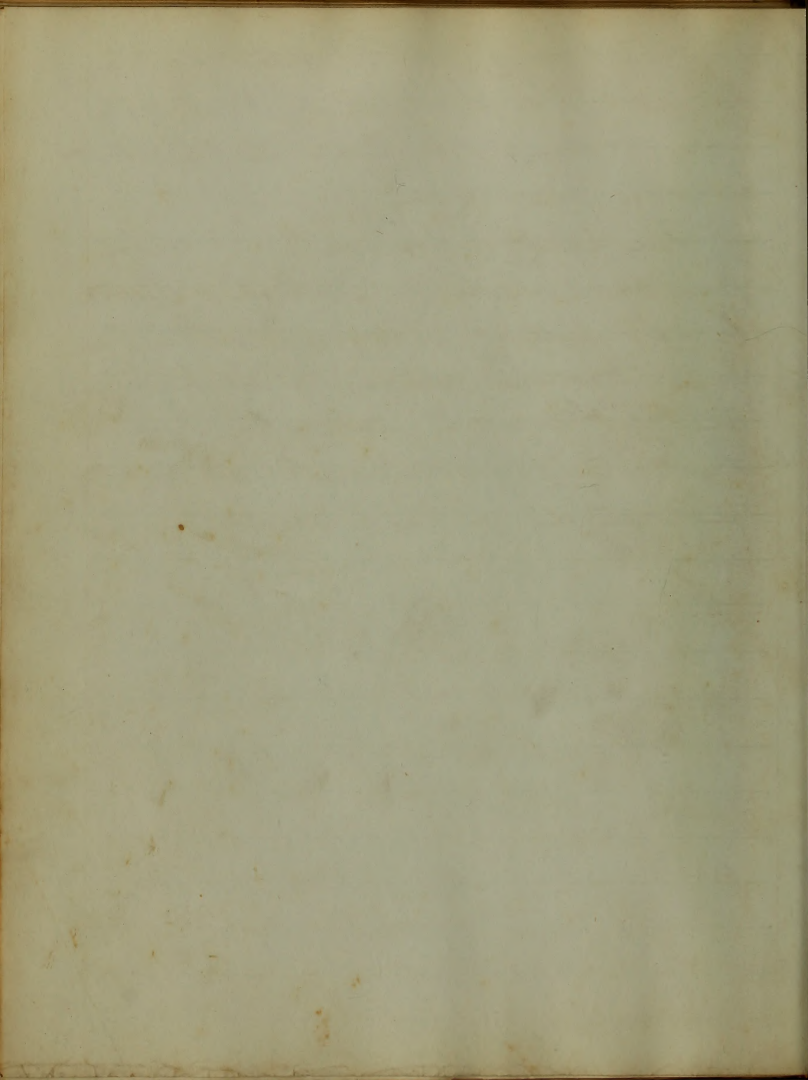
by

John F. Randolph, M.D.

of

Maryland

1887



An
Inaugural dissertation
on
Acute Pneumonia
Submitted to the examination
of the
Provost, Trustees and Medical Faculty
of the
University of Maryland
For the Degree
of
Doctor of Medicine
By
John Randolph White
of
Maryland
A. D. 1847

Department of Justice

Washington, D.C.

Submittal to the Commission

of the

General, District and Federal Courts

Administration of the

Department of Justice

Report of the

John C. ...

Washington

1907

To

William Power M.D.

Professor of Theory and Practice of Medicine
in the University of Maryland.

In admiration of his skill and correct judgement
of the physical signs and diagnoses of diseases—
this humble essay is respectfully dedicated
by his friend and obedient servant,

The Author

William Jones, Esq.
Professor of the Law and History, London
in the University of Cambridge.
An admirer of the art and great patron
of the sciences, and a great lover of
the human mind, is now engaged
by his friend and scholar, Robert
[Name illegible]

To the professors of medicine in the university, of Maryland, I with the due respect submit the following dissertation upon the disease technically termed pneumonia - or in other words - inflammation of the substance of the lungs. As it is an affection, of which we are only able to gain a true and correct knowledge by practical observation in the chambers of those who are affected by it; you therefore, gentlemen, (knowing as I presume you do my slender stock, of practical observation; in this disease as well as many others) can scarcely indulge in any expectations as to my advancing any thing new relative to the disorder which I am now about to describe according to the best of my circumscribed ability; — —

I have defined pneumonia to be inflammation of the substance of the lungs. - Questions have been asked as to the exact part and texture, in which the inflammatory process is carried on. Dr. Watson contends that all the textures composing the pulmonary substance in the part inflamed, are involved in the inflammatory process. We ascertain the extent, situation and progress of pneumonia by the method of auscultation; the changes which are wrought in the pulmonary substance

The progress of medicine in the last century
has been such as to excite the admiration of
the world. It has been attended with the
most happy success, and has been the
cause of the greatest benefit to the
human race. The progress of medicine
has been such as to excite the admiration
of the world. It has been attended with
the most happy success, and has been the
cause of the greatest benefit to the
human race. The progress of medicine
has been such as to excite the admiration
of the world. It has been attended with
the most happy success, and has been the
cause of the greatest benefit to the
human race.

by the inflammatory process are also made known to us by the same method. Therefore we should learn what those changes are, and know the morbid anatomy of pneumonia in order to have a correct idea of its pathology. We learn from authors that there are three well marked and constant conditions of the lung, corresponding to different degrees and periods of its inflammation.

The first stage is termed engorgement; by which I mean the substance of the lung is gorged with blood, or bloody serum. To prove this to be the state of the lung, we find by post mortem examination, that the lung to be of a dark-red colour externally; that it crepitates less under pressure than the sound lung; that it contains more liquid than air in its cells; that it is heavier and not so elastic as the sound lung; and that the impression of the finger is seen after pressure has been made. When an incision is made through the engorged portion, we find it red, and see a quantity of reddish and frothy serum flow from it; there is at the same time an impairment of its cohesiveness; it is more easily lacerated; in which respect there is a similarity existing between it and the spleen; hence the term splenization of the lung has

been given to this stage of its inflammation. Although the specific gravity of the engorged portion is increased, it will nevertheless float upon water.

There is a frequent source of fallacy in respect to this condition of ~~the~~ inflammatory engorgement, says Dr. Watson; which is the mechanical engorgement of the back part of the lung; or of that part, which has been most dependent during the last hours of life, or after death; which false condition is rather difficult to ^{be} distinguished from the ^{true} one, by their anatomical characters alone. If the engorgement be not in the depending part of the lung, we may truly say that it is inflammatory. We judge too by the antecedent symptoms.

In the second stage the lung is further altered, and presents the following characters. It wears still a reddish coat both within and without; crepitation is no longer heard, and it sinks in water; there is not a particle of air in it. When cut, the surface resembles the cut surface of the liver; hence also the name hepatization given to this changed condition of the lung by the celebrated Laennec. When an incision is made and pressure be applied, some red fluid is seen to flow; but in a less quantity than in the former

stage, and there is no sound. As the degree of inflammation advances, the texture of the lung becomes ^{so} rotten that a gentle pressure between the thumb and fingers will suffice to reduce it to a pulp; this stage receives from the learned pathologist Andral, the name of ramollissement rouge - red softening.

The third stage is characterized by the following signs. As in the second stage the pulmonary tissue is dense, solid and impervious to air; the colour is changed; it presents a reddish-yellow, or drab colour; mottled with red or black, pulmonary matter. The lung is full of puriform matter, which cooes out when incisions are made, which matter is unattended by fetor. Saucer also has given the appellation, gray hepatisation, to this stage of the inflammation of the lung; Andral applies the term ramollissement gris - gray softening. Dr Watson says it consists in diffused suppuration of the substance of the lungs. -

Modern research and observation has brought to light a very remarkable circumstance, ^{viz} that inflammation of the lung; going on to suppuration, does not lead to the formation of an abscess; as it does when it attacks the areolar tissue, or the parenchymatous tissue in other parts of the body.

There are three reasons for the degree of influence in
the history of the human mind, the first of which is
the degree of the influence of the mind on the body,
the second of which is the degree of the influence of
the body on the mind, and the third of which is the
degree of the influence of the environment on the
mind. The first of these reasons is the degree of the
influence of the mind on the body, which is the
degree of the influence of the mind on the body,
the second of which is the degree of the influence of
the body on the mind, and the third of which is the
degree of the influence of the environment on the
mind. The first of these reasons is the degree of the
influence of the mind on the body, which is the
degree of the influence of the mind on the body,
the second of which is the degree of the influence of
the body on the mind, and the third of which is the
degree of the influence of the environment on the
mind.

In fact abscess of the lung is of very rare occurrence. To wit—
In the dissections made by the immortal Laennec
of many persons who died of pneumonia during the
period of many years, he only met with five or six
collections of pus in the inflamed lung.

Andral saw but one real abscess of the lung as a con-
sequence of pneumonia. Gangrene is sometimes, but
very seldom, the result of acute inflammation of the
pulmonary texture. It is said to be more common
(though in any way rare) as an independent and prim-
itive affection. The colour of the part which thus
perishes, is of a dark or greenish-brown. Its odour is
insupportable; which abominable fetor during life
truly tells the serious affection of the lung.

We may have in this disease, inflammation of
both lungs at once; or it may attack one only. To speak
more technically, pneumonia may be either double
or single. Inflammation of the lungs may be either
partial or general. It is greatly more common in the right
than in the left ~~lung~~ lung. To wit— Of one hundred
and fifty one cases of pneumonia noticed by M. Andral,
ninety were of the right lung, thirty eight of the left;

seventeen of both at the same time, and in six the situation was not known. Pneumonia, we may say, is more than twice as common in the right lung than in the left; to prove which many statistical statements collected by men of observation and experience could be produced. It is stated, and very correctly too; that in active idiopathic inflammations of the pulmonary texture; inflammation occurs much oftener in the lower lobes of the lungs than in the upper: to confirm which assertion, I may again adduce Andral's statistical statement. Of eighty eight cases of pneumonia; he discovered that inflammation affected the lower lobe forty seven times, the upper thirty, and the whole lung at once eleven. We may have bronchitis without pneumonia; but pneumonia without a corresponding extent of bronchitis, is perhaps never seen. Pneumonia may, and does occur without any pleurisy; though in a majority of cases, there is a degree of inflammation of the investing membrane.

Having now described the most important changes wrought by the inflammatory process going on in the pulmonary texture of the lungs; I may next describe

Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is mirrored and difficult to decipher.

what are the signals of its existence; and how we can ascertain the important morbid processes transacted in the cavity of the thorax.

In the first stage of inflammation of the lung; that of engorgement, if the ear be applied to the surface of the chest, we hear a peculiar crackling sound, the finest kind of crepitation, which sound is said to resemble the crackling explosions of salt thrown upon hot coals. Mr. Andral says it resembles ^{the sound} made by rumpling a fine piece of parchment. A very correct idea of this sound, may be obtained by rubbing between the finger and thumb a lock of ones own hair close to the ear.

Sacunde called this ^{peculiar} sound crepitant rhoncus.

Boisson terms it minute crepitation; or the crackling of pneumonia. This is a very important sound, a direct symptom, which may be refered to the structure of the diseased part. "If we consider (says Dr. Satham) what the part is, and what the the disease; the part ~~of~~ the lungs, and the disease inflammation: we cannot too highly value this single symptom, which gives the earliest and surcest intimation that such a disease has begun, as tends to the disorganization and the inevitable lapse

what are the signals of its existence, and how we can ascertain the important morbid processes transacted in the cavity of the thorax.

In the first stage of inflammation of the lungs; that of engorgement, if the ear be applied to the surface of the chest, we hear a peculiar crackling sound, the finest kind of crepitation, which sound is said to resemble the crackling explosions of salt thrown from a coal. Mr. Andral says it resembles ^{the sound} made by rumpling a fine piece of parchment. A very correct idea of this sound, may be obtained by rubbing between the finger and thumb a lock of ones own hair close to the ear.

Sacnung called this ^{peculiar} sound crepitant rhoncus.

Dr Watson terms it minute crepitation; or the crackling of pneumonia. This is a very important sound, a direct symptom, which may be refered to the structure of the diseased part. "If we consider (says Dr. Satham) what the part is, and what the the disease; the part of the lungs, and the disease inflammation: we cannot too highly value this single symptom, which gives the earliest and surest intimation that such a disease has begun, as tends to the disorganization and the inevitable loss

of life, & is quickly arrested by its counteracting remedy, minute crepitation is first heard mingled with the ordinary vesicular breathing, which last is in a measure obscured by the morbid sound; and as the inflammation advances the crackling becomes more and more audible, until at length it entirely supersedes the healthy sound. If the vesicular breathing prevails over the crackling we may be sure that the inflammation is but slight; but if the crackling sound become predominant, and if it entirely smother the healthy murmur of respiration, it then denotes the progress of pneumonia, and that it tends to pass from the first to the second stage.

The seat of this minute crepitation is said to be in the smallest ramifications of the bronchi, and the air vesicles; that it results from the passage of air through liquid: from the formation and bursting of a multitude of little air bubbles. If the disease advances, and we again apply the ear to the chest a new sound is heard, a whiffling, blowing sound, like that produced by blowing through a quill. This sound is called bronchial respiration; it is produced by the hepatized lung admitting air to pass through the larger bronchus but admitting none in the vesicles

and smaller tubes. The voice too becomes much more resonant than natural; hence the term bronchial voice, or bronchophony; thus we become acquainted with sounds that are never heard when the lungs are healthy, which sounds are also very significant in other pulmonary affections as well as in pneumonia. Together with these sounds we may hear in the unaffected lung, or in that part of the diseased lung which is healthy, puerile respiration. Whenever we hear this sound we may be sure that a part of the expiratory apparatus is very much out of order, and that the healthy portion is toiling to compensate for its deficiency. It is asserted, that we may meet with three stages of pneumonia after death in different parts of the same lung, which degrees of inflammation of the lung during life are pointed out to us by the method of auscultation; at least the first two stages are. Auscultation, (it is said) cannot trace with any certainty this disease farther than the stage of hepatisation. These are, then, some of the most important physical signs that attend, and make known the successive changes wrought in the pulmonary texture, by the inflammatory process. —

The first part of the paper is devoted to a general
discussion of the subject. The author then proceeds
to a detailed description of the various forms of
the disease. He then discusses the causes and
effects of the disease. The paper concludes with
a summary of the author's findings and a
list of references.

I will now proceed to describe some of the most important general signs appertaining to pneumonia.

In the majority of cases of this disease; the beginning of the inflammatory action of the lung is marked by chill-
-ing, followed by heat and increased frequency of pulse; in a word by inflammatory fever, a stitch in the side is felt; cough; and a sense of weight in the chest. In some cases of this disease, these symptoms are not so well marked. At first the cough may be dry, but it is soon accompanied with a very characteristic kind of sputa; the dyspnoea may be slight in the commencement, or it may be quite difficult. Pain in pneumonia exists only when the pleura is involved in the inflammation, it is excited by cough, by a full inspiration, by pressure, or by percussion made upon, or over the diseased part. The patient lies uneasily on the affected side. The breathing is more difficult when the patient lies on the healthy side, than when on the diseased side; in truth those ~~are~~ affected with pneumonia most always lie upon their backs. The dyspnoea varies in its degree in different cases; it may be so slight that the patient is scarcely aware of its existence;

then again it may be so severe that the patient seems to be altogether occupied with his breathing; unable to lie down; speaks with difficulty; face lividly red or pale; nostrils expanded and quite active; respiratory actions are frequent and very short. Few patients recover from this ~~form~~ ~~the~~ degree of dyspnoea. Delirium when it occurs in pneumonia is a very grave and dangerous symptom; indicating that the arteria-
tion of the blood is much ⁱⁿpeded by the pulmonary disease. In pneumonia, the cough is not peculiar, and gives but little information; it is dry, in the outset; but after a while, it is attended with the expectoration of a peculiar sputa; which indicates strongly the presence of pneumonia. —

The characteristic expectorations of pneumonia when well marked, "consists (says Dr Watson) of transparent, Tawny, and ~~and~~ rust coloured sputa, uniting, in the vessel containing them, into one jelly-like mass; and of such viscidly that the vessel ~~may~~ ~~be~~ turned upside down and strongly shaken without their being detached from the bottom or sides., Although the rusty coloured sputa are peculiar to pneumonia, we must bear in mind that they do not constantly accompany it. —

[The page contains approximately 25 lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the document. The text is too light to transcribe accurately.]

Whenever gangrene attacks the pulmonary texture - which is indeed very rare - the sputa become of a greenish or dirty gray colour, & exhaling a fetid and very offensive odour. I have now given the symptoms separately, appertaining to pneumonia; but as they exist together it will but fair, that I should describe them so. Pain in the side is the first symptom most commonly felt, preceded or not by rigors; the breathing at the same time is oppressed, and the patient coughs without spitting. Now at this period if the ear be applied to the chest, it may detect a slight degree of minute crepitation; the thorax if percussed sounds well, and there is some fever. This constitutes the primary stage of pneumonia. Now symptoms are developed about the third day after the attack; the expectoration now becomes characteristic of the affection, the minute crepitation increases until it finally supersedes the healthy murmur, the patient breathes short and frequent if the dyspnoea increases; he cannot lie on the affected side if the pain be acute; neither can he lie on the healthy side, because that makes his breathing much more difficult; the decubitus is therefore dorsal. Although the disease in this primary stage may be severe, it not unfrequently recedes, and terminates by resolution; though sometimes instead of terminating thus, the inflammation becomes more intense and extensive, with-

The first part of the paper is devoted to a general
statement of the facts of the case, and to a
statement of the law applicable to the facts.
The second part of the paper is devoted to a
statement of the facts of the case, and to a
statement of the law applicable to the facts.
The third part of the paper is devoted to a
statement of the facts of the case, and to a
statement of the law applicable to the facts.
The fourth part of the paper is devoted to a
statement of the facts of the case, and to a
statement of the law applicable to the facts.
The fifth part of the paper is devoted to a
statement of the facts of the case, and to a
statement of the law applicable to the facts.
The sixth part of the paper is devoted to a
statement of the facts of the case, and to a
statement of the law applicable to the facts.
The seventh part of the paper is devoted to a
statement of the facts of the case, and to a
statement of the law applicable to the facts.
The eighth part of the paper is devoted to a
statement of the facts of the case, and to a
statement of the law applicable to the facts.
The ninth part of the paper is devoted to a
statement of the facts of the case, and to a
statement of the law applicable to the facts.
The tenth part of the paper is devoted to a
statement of the facts of the case, and to a
statement of the law applicable to the facts.

-out-puffing into the second stage), and it may prove fatal.

When the respiration becomes more and more oppressed, short and frequent; speech much interrupted; sputa very viscid; the sound elicited by percussion decidedly dull; we may without error pronounce it to be the second stage of pneumonia. Yet even in this degree the disease may recede and also terminate by resolution. As there ~~are~~ ^{is means} certain of ascertaining the third stage of pneumonia, we may merely conjecture that it is established if the face becomes very pale, the expectoration of a prune-juice appearance, and if the disease has ~~lasted~~ existed for some time. The average duration of pneumonia is said to be about ten days.

As to the causes of pneumonia, I may briefly say that cold is its most common and exciting cause; sometimes no cause can be traced to which we can ascribe the production of the inflammation of the pulmonary texture. The prognosis of pneumonia varies ~~in~~ character as its stages vary; being not so grave in the first stage as in the second, and exceedingly grave and very uncertain in the purulent form, or third stage. Resolution may still take place, although a large portion of one lung should be hepatized, but to prove that the lung may recover from the third degree of inflammation.

is beyond all possibility. Much will depend upon the extent and degree of ^{the} inflammation existing in the lung. When the upper lobes are attacked, the prognosis is decidedly graver than when the lower lobes are to the same extent and degree. Whenever there is much dyspnoea accompanying the disease we have just cause to fear the termination will be a fatal one; the pulse gives but little information; if however a feeble pulse attends oppressed breathing, and it does not improve after the first bleeding, we may infer that the inflammation is intense, and consequently the prognosis a grave one. Whenever delirium supervenes the case is decidedly hopeless. The pulmonary inflammation is intense when the sputa becomes very viscid and of a deep rusty colour; their retrograding to the catarrhal condition announces that resolution is taking place. Plum-juce sputa indicate suppuration of the lung, and therefore the prognosis is truly unfavourable. I will now proceed to speak of the treatment of pneumonia. The remedies that most require consideration are blood letting, tartarised antimony and mercury. Bleeding may justly be termed our "sheet anchor" in acute pneumonia. When venesection is performed ^{early} upon a patient labouring under this disease, it manifests a very decided and happy effect over the inflam-

[The page contains approximately 25 lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the document.]

mation. In the first place it tends to check, or extinguish the inflammatory process; next it tends to relieve the particular function of the lungs. The marked result of free venesection (when performed early) in acute pneumonia, fully proves the efficacy of a practice, which has been pursued for many ages. In order to produce a decided and beneficial effect over the inflammation, we should abstract blood freely and early, during the state of engorgement. The patient should be bled in an upright position; the blood should flow from a large orifice and in a full stream: the ^{blood} should not cease to flow until a decided impression is made upon ~~the~~ the system; until the pulse becomes softer, or if contracted until it becomes fuller; until the sensation of the constricted chest has abated, and the dyspnoea mitigated, or until syncope seems to be about to take place. We must not trust to one bleeding; thinking it will suffice; but we should always endeavour to see our patients a few hours after the first bleeding, so that we may repeat the operation, if the relief has not been permanent. If we judge it necessary we should bleed two or three times in the course of twenty four hours. - As adjuncts to the lancet we may use cups and leeches; applied to surface of the chest in large numbers. They will be decidedly useful

[The page contains approximately 25 lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper. The text is too light to transcribe accurately.]

if there be pain, and they should be applied directly over the seat of the inflammation, which may be ascertained by the method of auscultation. At the same time the patient must be put upon the antiphlogistic regimen, he must keep his bed, and all unnecessary exertion of his lungs in speaking must be objected to.

When the second stage, that of hepatization supervenes, we cannot expect that the abstraction of blood will prove so effectual upon the inflamed and solid parts of the lung; but even then, says Dr. Watson "if duly moderated, it will diminish the force of the heart and arteries, and so tend to prevent the extension of the inflammatory process; it will lessen the whole quantity of blood circulating through those portions of the lungs which are still pervious, and thus relieve dyspnoea; and it will put the system into the condition most favourable for the reabsorption of the lymph by which the air vessels and vesicles have been stopped up. But there is a period in the pulmonary inflammation when bloodletting is not only useless, but absolutely injurious; which if employed at this stage of the disease actually debilitates the patient, and thereby renders him unable to rid his lungs of that tenacious mucus exhaled

[The page contains approximately 25 lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper.]

by the bronchial membrane; this is what takes place in those cases in which the expectoration is said to be stopped by a bleeding.

When the use of the lancet is positively forbidden, or as auxiliaries to it, we have in tartarized antimony and Mercury two potent remedies. The former agent is best adapted to the first stage - that of engorgement - the latter agent to the second stage - that of hepatisation. We administer tartarized antimony in this affection not with the intention of producing emesis, though in a majority of cases it is apt to cause it, but after a while the stomach seems to be unimpaired by it, and we then have its beneficial influence displayed over the disease: if vomiting and purging be kept up too long by the administration of tartar emetic we check them by adding a few drops of the tincture of ~~Opium~~ opium to each dose given afterwards. - The following plan of administering tartarized antimony, is the one strongly advocated by Dr. Thomas Davies, and sanctioned by Dr. Thomas Watson.

Dr. Davies recommends (after the patient has been bled freely) one third of a grain of tartar emetic to be given in

The medical members, who were present in the
session when the report was made, will be
pleased to see the following
The first part of the report is a
statement of the facts as they are
and the second part is a
statement of the facts as they are
and the third part is a
statement of the facts as they are
and the fourth part is a
statement of the facts as they are
and the fifth part is a
statement of the facts as they are
and the sixth part is a
statement of the facts as they are
and the seventh part is a
statement of the facts as they are
and the eighth part is a
statement of the facts as they are
and the ninth part is a
statement of the facts as they are
and the tenth part is a
statement of the facts as they are

^{half} wine-glassful of water, with a few drops of laudanum. Two doses of this strength to be given at intervals of one hour from each other; then if the patient does not vomit to omit the opium, but continue it if he does; to double however the quantity of tartaremetic; give two thirds of a grain for two successive hours; and in this way to go on adding a third of a grain every two hours, until we reach two grains every hour.

Having never seen this plan of treatment tested, I may briefly quote the remarks of Robertson confirming its efficacy. He says "that under this plan of treatment the symptoms will often undergo a marked change for the better in three or four hours,"

He said that tartaremetic, when it acts only upon the inflammation produces a more decided effect, than when it causes vomiting or purging, or a general depression of the power of the whole system. Many persons ^{have} supposed that it conquers the disease only when it gives rise to these symptoms previously. If the typhus subsides by the use of antimony thus exhibited, we may discontinue it; and if the inflammation seems at all disposed to kindle, we must resort to ~~the tartaremetic~~ the repi-

[The page contains approximately 25 lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the document. The text is too light to transcribe accurately.]

tion of the tartar emetic to extinguish it.

When the second stage of pneumonia, that of hepatic-
tion—presents itself we immediately resort to the
employment of mercury, and we give it with the
object of producing its immediate and specific effect,
by administering small doses at short intervals; a grain
every hour, or two grains every two hours, combined with
opium to prevent it from operating on the bowels.

If the bowels be too freely moved by the administration
of calomel, we may use in its stead blue pill, or the
hydrargyrum cum creta, and if they be contra-indica-
ted, we may substitute the linimentum hydrargyri,
or the strong mercurial ointment externally.

Now when we have done all that we can do by
the timely and judicious employment of the
above remedies, and no change for the better takes
place; but on the other hand, the features become
sunken, face pallid, extremities cold, the pulse
feeble and irregular; all going to prove the speedy
dissolution of the patient by asthenia; we unhes-
itatingly have recourse to cordial and stimulant
medicines; the carbonate of ammonia in a decoction

of senna & wine are highly spoken of, and we put the patient upon a diet of milk, beef-tea, and other nutritive, but unstimulating articles.

Counter-irritation by means of a very large blister applied over the chest, when there is not much fever, skin not burning; but the expectoration difficult, dyspnea considerable, much pain, a sensation of tightness and oppression in the chest, is often productive of much relief and benefit to the suffering patient.

Purgatives are not so efficient in this disease as in many other inflammatory affections. Yet it will be very proper to administer an active aperient at the outset; and then direct the bowels to move once every day. Much ^{inconstant} purgation would counteract the mercurial plan of treatment, ^{from} which we hope to derive much benefit when the inflammation has reached the stage of hepatization.

The convalescence from acute idiopathic pneumonia when decided is rather quick; but we ~~are~~ must be on the watch against false and seeming recoveries,

So long as we can detect the slightest trace of minute crepitation in the diseased lung, we cannot pronounce a perfect recovery; and this crackling of pneumonia may continue long, and finally the original disease may be superseded by that less rapid, though more serious disorder - tubercular consumption -

Dr Watson speaks of acute idiopathic pneumonia as occurring much rarer than most persons suppose. He says he was not in the habit of seeing more than five or six cases in a year ~~than~~ his hospital practice. Physicians of this country disagree in that respect from him; and if I am not mistaken we were told during the present session (1847) by our worthy professor of theory and practice (than whom few, if any are better capable of forming a ^{more} correct diagnosis of the diseases of the Chest) that if the diseases of the respiratory organs were better known our bills of mortality would number many more deaths of acute pneumonia -

Pneumonia, (it is very true) is ^{very} apt to supervene

upon bronchitis; upon diseases of the heart, upon fevers, especially the exanthematous fevers. The treatment consequently of pneumonia arising from such causes is less vigorous, but more wary, than that of acute pneumonia.

Much benefit is derived from the abstraction of blood by means of cupping glasses and leeches applied to the chest, which has a tendency to reduce the local mischief going on within the chest.

We also make use of blisters with much advantage, and at the same time ^{we} give mercury cautiously. ~~At~~ ^{while} on the other hand we support the patient's strength ~~by~~ with ammonia, wine and nutritive broths.

Now that I have completed the task imposed upon candidates for graduation; suffer me gentlemen by the way of concluding to tender to you my grateful thanks for the many valuable and instructive lectures that I have heard from you; and also for the invaluable knowledge I have gleaned from them. And now gentlemen that you may long be spared as ornaments to the College in which you

now officiate, as exemplary characters in your
high and honourable profession; And that
the old University may ever continue to flourish
as a ~~College~~ of medicine, with the same
reputation that it now holds under your
immediate jurisdiction, is the sincere and
ardent prayer of

Your obt. Svt.

The Author

... of the ...
... of the ...
... of the ...
... of the ...
... of the ...
... of the ...
... of the ...

Yours Obedt. Servant
The Author

In August 1857

Heart Castles

Submitted to the examination
of the

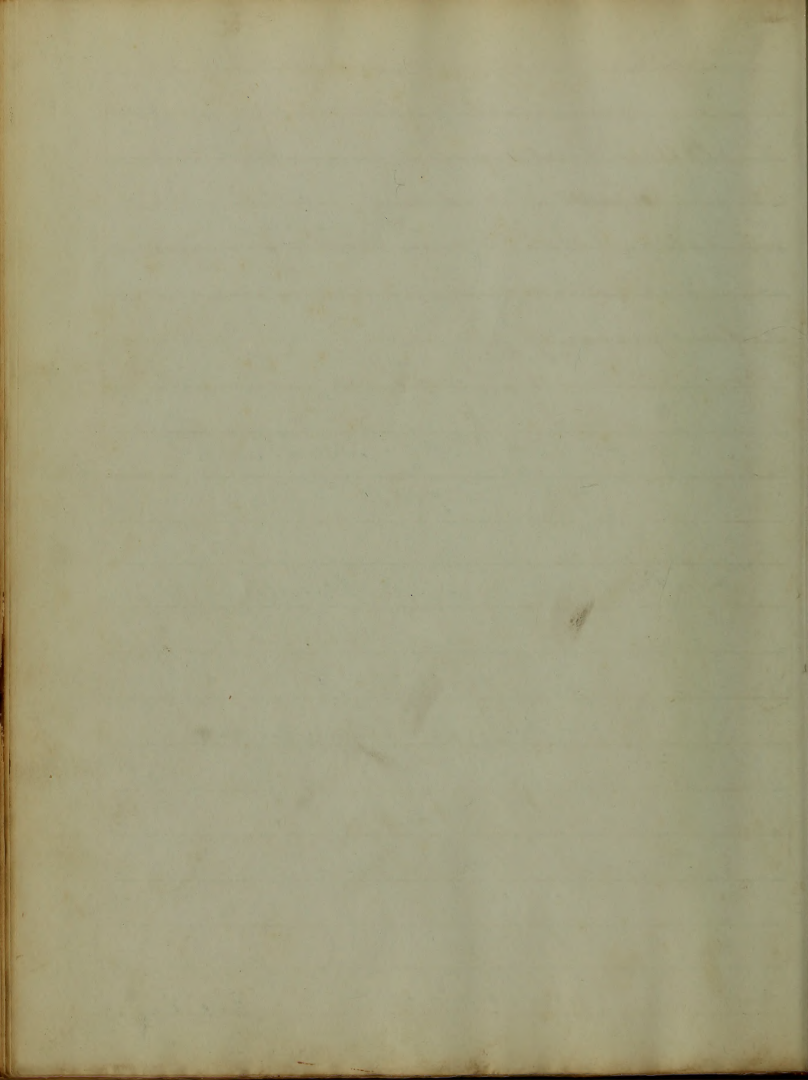
Board of Regents and Faculty of Medicine

of the
University of Maryland

for the
Degree of Doctor of Medicine

1857

Wm. M. Middlebrooks



Am

Inaugural Dissertation

on

Acute Gastritis

*Submitted to the examination
of the*

Provost Regents and Faculty of Physic

*of the
University of Maryland*

*for the
Degree of Doctor of Medicine*

By

Wm Middleton

Baltimore

Feb 14th 1847

George Washington

Dear Sir

I have the honor to receive

of the

of the President and Council of the

University of Maryland

for the purpose of

and to be

the University of Maryland individually, and collectively, for their exertions to impart the many lessons which their wisdom and experience have enabled them to cherish up and to offer, as teachers to those who come under their professional pupilage;— and when, in after life, my sphere of action will be to "heal the sick;" while I experience the advantages to my patients, of the important information which I have received within the time honoured walls of the University of Maryland. I propose to offer my remarks upon the Subject of acute gastritis.—

Gastritis, or inflammation of the stomach may be divided into idiopathic and symptomatic, though various other divisions have been made by the older authors. By Cullen it has been divided into phlegmonic and erythematic.— by Goods, into erythematic and adhesive, to either of which I prefer the previous division, on account of its simplicity; and as there is no difference in the principles that govern our treatment I can see no good cause for such distinctions.

I must remark

The University of California
has the honor to acknowledge
the receipt of your letter
of the 10th inst. in relation
to the matter of the
admission of students
of color to the
University of California
and in reply to inform
you that the Board of
Regents has decided
to admit students of
color to the University
of California on the same
basis as the other students
of the University.

Very respectfully,
The President of the
University of California
John D. Silliman

"that as an idiopathic disease acute gastritis is extremely rare" Stokes. "Scarcely ever do we find either the organ as a whole, or any one of its tissues Separately, the Subject of Spontaneous acute inflammation. Watson". This is a very curious circumstance. "When we compare the Stomach with other viscera, we shall find that one of the most remarkable differences between it and other organs is, that it is much less liable to be attacked by violent inflammation as an idiopathic affection.

This is an interesting fact, so rare, indeed is the violent form of gastritis, that our knowledge of the symptoms which indicate intense gastric inflammation is principally drawn from the study of cases of acute gastritis caused by swallowing corrosive poisons. Stokes". Inflammation of the mucous membranes may be, and often is, very limited in its extent:— when it affects the peritoneum, it usually spreads with rapidity over the whole surface of the membrane. Symptoms:— pain, usually of a burning or lancinating character in the epigastrium, augmented by pressure, increased also by the full descent of the diaphragm, and the breathing is consequently short and constrained. In some instances a pricking pain and soreness in the pharynx

Without much gastric irritability, are the first symptoms of the disease. Intolerable thirst, with an urgent desire for cold and acidulated drinks, constant nausea retching and vomiting, especially upon the entrance of any thing into the stomach, often with hiccup, and with tension of the upper part of the abdomen. In violent cases, the irritation of the stomach is excessive, and every thing is rejected. Cold water and offensing draughts, are ejected the moment they are swallowed; but unless the disease be very violent, cold water in small quantities will generally be borne well, and even for a time afford relief to the more urgent symptoms. If the desire for cold drinks is urgent, the aversion to warm ones is equally strong; warm drinks rarely fail to aggravate the pain and vomiting, as soon as they reach the stomach. After each spell of vomiting, the patient usually experiences a temporary abatement of the gastric distress and a similar transient alleviation follows a drink of cold water, or a piece of ice in the mouth. In some cases, there is considerable difficulty of swallowing, on account of the contracted and irritable state of the upper Orifice of the stomach

Not infrequently, the brain sympathizes with the inflamed Stomach, Broussais has observed patients in this disease "as completely delirious as in fevers of the most malignant character or phrenitis." In such instances, the delirium is almost always greatly subdued, for a short time, by a draught of cold water. Acute gastritis is generally attended with great depression of spirit, and prostration of strength; the pulse, though at first moderately full, soon becomes very contracted, quick and tense, and at last so small as scarcely to be felt. In some cases a short and painful cough attends, and the voice usually becomes much altered and sometimes entirely extinct, from paralysis of the laryngeal muscles. The aspect of the countenance is expressive of great anxiety and suffering, or of despondency and despair. Of the many disagreeable symptoms, enumerated above as attending acute inflammation of the Stomach, there are none, excepting, perhaps, the nausea, retching and vomiting, that so alarms and distresses the

The following is a list of the names of the persons who have been admitted to the office of the Secretary of the Board of Education since the 1st of January 1870. The names are arranged in alphabetical order of their surnames. The names of the persons who have been admitted to the office of the Secretary of the Board of Education since the 1st of January 1870 are as follows: A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

patient as the dysphagia and hiccup. The former
 Symptom is most commonly accompanied by
 tightness and oppression about the precordial
 region; the patient feeling a load or weight as
 he expresses it in this situation. This Symptom,
 however, is by no means constant in this disease.

The latter, hiccup, is a most harrassing Symptom;
 it does not allow the patient a moments rest.
 In his brief and uneasy slumbers, he is conscious
 of it, and is constantly awakened by it.

The cardiac orifice of the Stomach will generally
 be found to be the seat of the inflammation, when
 the symptoms appear early in the disease. When
 the inflammation is confined to the Stomach,
 the bowels are constipated; but when the Colon
 becomes involved in the disease, diarrhoea, or
 tenesmus with dysenteric discharges attend;
 the urine as in the generality of inflammatory dis-
 eases, is scanty and high coloured;— The tongue
 is generally described as being red at the tip and
 round the edges, Sometimes the redness extends
 like a fiery streak down the middle of the tongue,

in the most cases, when there is no fur upon the tongue, it is over the whole surface vividly red.

The redness extends to the fauces, sometimes in a considerable degree. This redness of the tongue indicates inflammation of the Stomach and Small intestines alone, Dr. Armstrong. Dr. Stokes

justly remarks speaking on this subject, "nothing is more common, than from the condition of the tongue to form an opinion as to the state of the alimentary canal, whether it is in a state of inflammation. I believe, says he, we should be wrong in taking the tongue alone as our guide in the treatment of intestinal derangement, whether existing in the stomach or any other portion of the tube; and this I state as the conclusion I have drawn from my own experience, in gastric and enteric inflammations. It is unquestionably true, that in certain cases of gastritis, particular appearances, as redness, dryness, pointing, and a tremulous state of the tongue, are observed, but what I wish to impress on you is, that it is necessary that these phenomena should coincide with other symptoms."

In these viems he is sustained, I believe by Ansell,
 Lewis, and our able professor of the Practice of Physic
 Dr. Ferri. Towards the conclusion of fatal cases
 of acute gastritis, hiccups, faintings, with the patient
 feeling as if sinking through the bed, or a gradual
 sliding down towards the feet of the bed, picking
 of the bed clothes, slight delirium, coma, cold clammy
 sweat, and cold extremities. The pains all cease
 a few minutes before death. Acute gastritis
 generally terminates in from 12 hours to three
 days, varied according to the nature of the exciting
 cause. If that be a violent poison, as is som-
 -etimes the case, its course must necessarily be rapid
 and fatal, unless promptly managed and judiciously
 treated. If produced by poisons death occurs
 earlier, from the violence of their action; producing,
 as they frequently do, almost immediate disorganiza-
 -tion. Gastritis, though usually manifesting it-
 -self by well marked symptoms, is sometimes very
 insidious in its attack. Inflammation is develop-
 -ed, and proceeds to a fatal termination, in so obscure
 a manner, as to present scarcely any of the ordinary

manifestations of its existence. Dr. Abercrombie observes, "that the symptoms which attend acute inflammation, of the stomach, are liable to great uncertainty." Dr. Clarke mentions a case, in which the patient complained of intense pain in the head, with occasional slight delirium, transient darting pains through the chest, nausea, with an indescribable feeling of distress in the epigastrium; a frequent, firm, and contracted pulse; but without actual pain in the stomach, or other symptoms that could be regarded as characteristic of gastritis.

The patient, in the course of five days sunk under his malady. On post mortem examination nearly the whole internal surface of the stomach, was found minutely injected, and large patches of the mucous membrane were softened, abraded, and, in some parts, very conspicuously thickened, and of a yellowish ash grey colour. No other local affections, whether in the abdomen, thorax, or head, were noticed.

Causes. — are either predisposing or exciting; Individuals who live in an extremely variable temperature are prone to this affection; hence

it is very common, and prevails in the acute Subacute and chronic forms in the United States.

Certain conditions of the atmosphere, especially when the atmosphere is cold and damp, or, even warm and damp. At certain ages as in infancy and childhood; the mucous membrane of the intestinal canal is very likely to become inflamed. A low degree of irritation from peculiar drinks, or diet will predispose to it; hence, those who are accustomed to big living, or indulge in the pleasures of the table to excess; who drink Brandy and Wine, and eat chiefly made dishes, as do the French, are strongly predisposed to it. Weak individuals are most prone to inflammation of the mucous membranes, while the strong and most robust are more liable to inflammation of the Serous membranes. The exciting causes are, drinking large draughts of cold or ice water, when the body is in a state of free perspiration; — the habitual use of intoxicating liquors, hence its not unfrequent occurrence among the poorer classes, who drink the most indifferent kind, which is always, more or less, adulterated with

drugs of the most noxious kind, such as Sulph Acid &c. Poisons, such as Sulphates of zinc and copper, arsenic, corrosive Sublimat, and Opium &c. The ingestion of very large quantities of food of an indigestible character, especially during convalescence from any serious disorder. The suppression of habitual sanguineous discharges, metastasis of rheumatism and gout, external mechanical injuries of the epigastrium, as blows &c, have all been mentioned as exciting causes of gastritis.

Treatment.

With regard to the propriety of venesection different views have been entertained and expressed by authors; indeed the question of its utility is yet undecided. Dr Stokes regards it as a "mooted point" yet to be settled by future investigation. He remarks "we are very much in want of a series of well established facts to guide our practice on this point, and to inform us how far general bleeding is useful in acute inflammation of the Stomach". The smallness and frequency of the pulse, observes Dr Eberle,

"must not deter the practitioners from the use of the lancet. On the contrary, when the existence of acute gastritis is unequivocal, this contracted state of the pulse ought to be regarded as the most urgent indication for prompt and copious depletion".

I think the rule given by Dr. Watson in his article on this subject the proper one to be observed.

It is the one, I should adopt, as being the most likely to be successful, if called to treat a case of acute gastritis, viz, "early in the disease, if the pain be severe, you must try the effect of venesection, notwithstanding the smallness and feebleness of the pulse; how much blood you are to abstract cannot be told before hand". Take away a small teacupful, keeping, mean while, your finger on the wrist. If the beat of the artery does not grow weaker; and still more, if it becomes fuller and stronger, go on with the bleeding, and take another cupful; and another, according to the circumstances of the case, and to the effect produced".

Our principal dependence, in treating acute inflammation of the stomach, is to be placed

Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is mirrored and difficult to decipher.

in the judicious use of local depletion, — say by the application of leeches.

Upon the application of leeches the vomiting subsides almost immediately, — the epigastric pain and tenderness disappear, the cough and cerebral symptoms are relieved, — the fever subsides, — and the case assumes a more favourable aspect. These must be applied again and again, according to the duration and obstinacy of the symptoms.

The flow of blood from the leech bites may be promoted by flannels rung out of hot water applied over the epigastric region. The application of leeches to children is sometimes attended with danger. It would therefore, not be proper to allow the bleeding to continue after the leeches have been removed. If the stomach will retain cold water it may be allowed in small quantities, or, what is still better, small lumps of ice held in the mouth and allowed to dissolve there, as it will relieve the urgent thirst and other gastric symptoms, that so torment the sufferer. No food should be allowed of any kind

until convalescence. The patients strength may be supported by injections of weak chicken broth. If the bowels are constipated they may be relieved by warm water enemata; purgatives are always injurious. If, on the contrary, the bowels are loose and accompanied by much tormina, injections of an ounce of starch, to which half a drachm of tincture opii may be added, is to be administered. During convalescence, the diet should be simple and unirritating, as any imprudence, may cause relapse, or, the disease to assume the chronic form.

Journal of the

1840

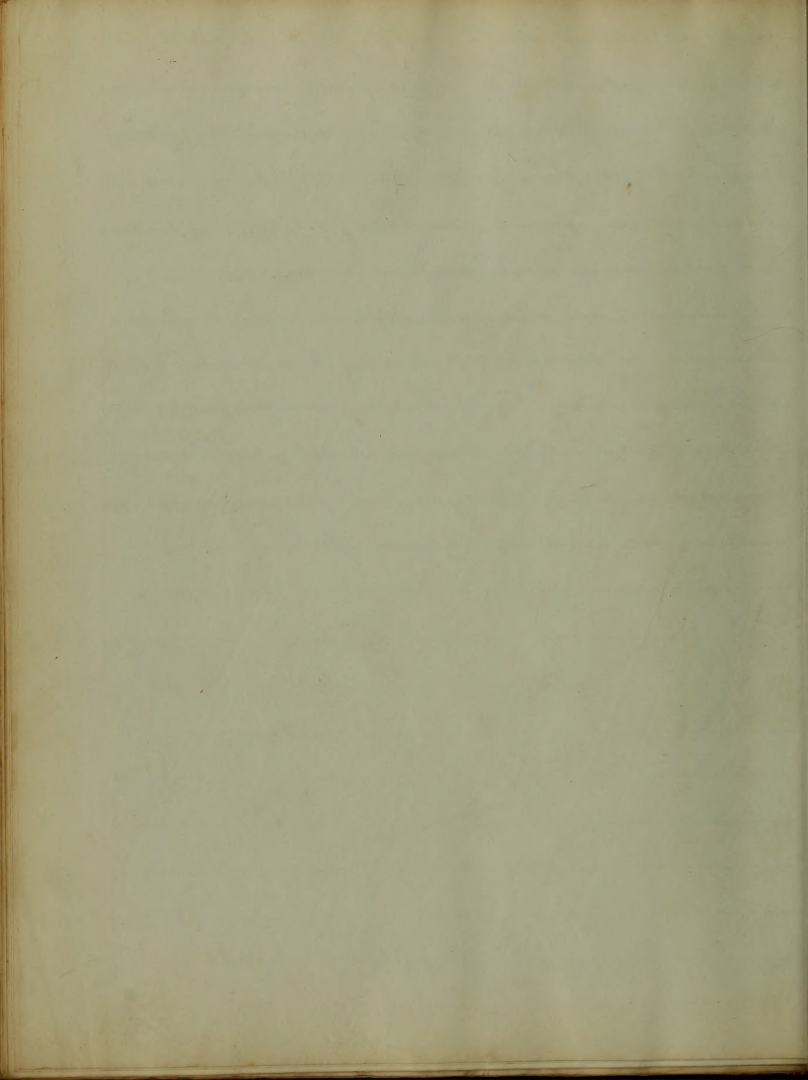
of the

of the

of the

of the

of the



W. H. W.

W. H. W.

Inaugural Dissertation

on
Intermittent Fevers;

Submitted to the examination
of the

Proost, Regents, Faculty of Physic,

of the

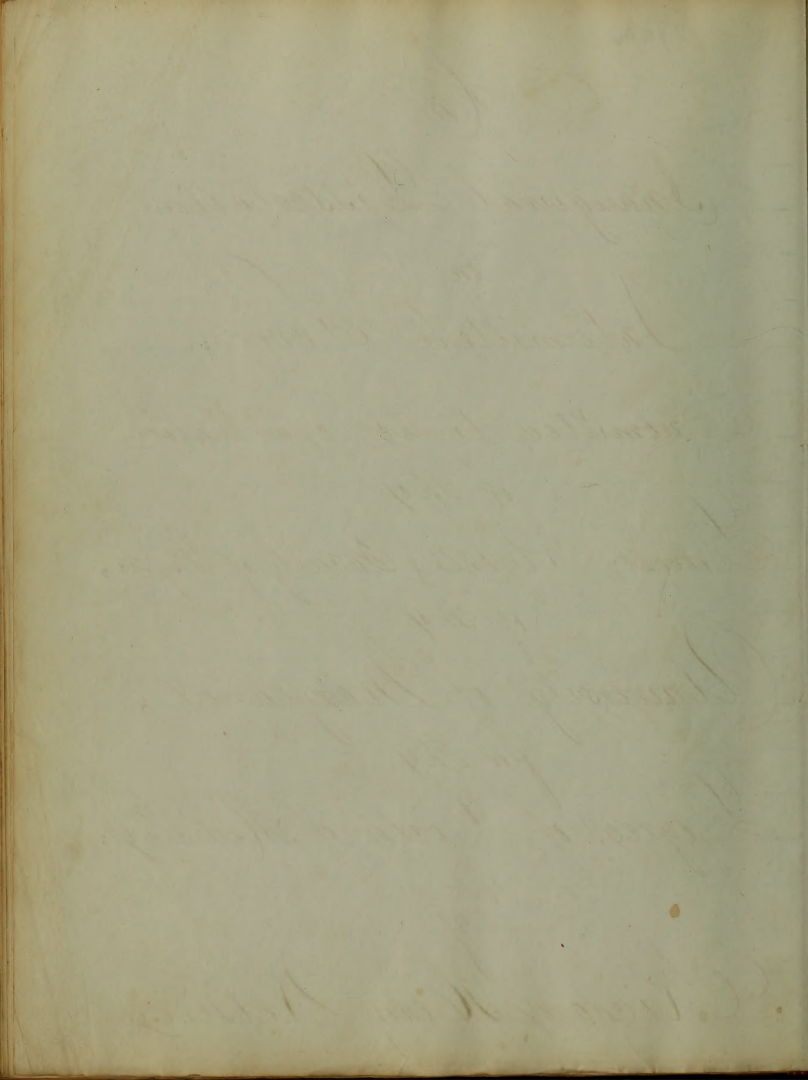
University of Maryland;

for the

Degree of Doctor of Medicine.

By

Richard Henry Webster.



Febri Intermittens.

While the progress of general sciences is devoutly desired, by our enlightened and real philanthropy, those who occupy the department of Medicine have, of necessity, their attention more immediately and intensely directed to the advancement of their favorite, because most congenial, branch of the tree of knowledge; which, unlike the mysterious tenant of Eden, grows, spreads, and produces, to supply the fruit of life and happiness.

Stronger and stronger by the venerable trunks, more and more numerous by the outspringing, divergent branches, green by the foliage ever, and

John D. Hamilton

While the progress of
our country is surely rapid
it is not sufficient and has the
advantage of the other side of the
continent. The western part of our
country has a more fertile soil
and a more rapid growth of
the population of the whole
country. The western part of the
country is more fertile and has
a more rapid growth of the
population of the whole country.
The western part of the country
is more fertile and has a more
rapid growth of the population
of the whole country.

perpetually pendens by the boughs
with wholesome, delicious fruitage!
But, our own favorite Medicines,
one of the earliest, of the most
extended shoots, how shall we
increase it's size, it's length, it's
productiveness, and have it to be
an athletic, vigorous, and stretched
forth with still more abundant
blessings to suffering humanity?

This should be one principle
purpose and thought with the
student of Medicines. The solution
of this problem, should be with
him, as living solicitude, following
him through the entire progress
of his professional career, solving
all facts, watching all agents,
and in the sequence of the most
patient and laborious induction,
confirming or rejecting the theories
of the past, and amidst the ele-

Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is mirrored and difficult to decipher.

ments of the momentous present,
projecting Theories for the yet
silent solemnities of the future.

In the outset, without either
Medical knowledge or experience,
he can hope for nothing from
himself, but the possession of a
becoming interest in, and a neces-
sary taste for, the profession he
has chosen; connected with appro-
priate diligence and docility.

What his profession knows, he is
first to inquire after and take
possession of. And when he con-
siders the intellectual acumen,
the immense observation, the untiring
industry and patience, the brilliant
genius, the varied lore, and voluminous
writings of Medical men, who from
remotest antiquity have toiled in this
honorable department, he may not
indeed flatter himself that it has

been expanded and adorned to
the extent and glory of perfection;
but he will not, with any show
of reason, feel himself to be a-
mong the disappointments and des-
titutions of Medical Poverty. On
the contrary, he will properly
rejoice in large treasures of useful
science, and in possession of numerous
promising means of usefulness: and
while disease in certain forms, and
intensity of virulence, may yet hum-
ble him with the evidence that
he cannot do all for his fellow
man that his heart desires; still,
notwithstanding, in many happy in-
stances his skilful practice will
triumphantly illustrate the reality
of his science, and fully gratify
his utmost benevolence.

Upon this theory of progress,
there, the privileged pupil of the

[The text on this page is extremely faint and illegible, appearing as a series of light-colored lines across the page.]

learned and experienced Faculty,
to which this thesis advances for
the trial prescribed by venerated
customs and collegiate laws, should
exert himself to display to his ac-
complished judges, who sit as juri-
tors at the door through which he
desires to enter to the notice and
confidence of the public, the evi-
dence that he has made himself
acquainted with the existing theories,
as laid down in the standard books
of the profession, and as taught in
the lucid and ample prelections
of the erudite and honorable Faculty,
upon whose decision is suspended his
opportunity to aid as an humble co-
operative in the future progress of
the science he has studied, and
which he now desires to make
proof of in the matter of fact de-
tails of practical application.

[The text on this page is extremely faint and illegible, appearing as a series of light-colored lines across the page.]

Before penetrating to the discovery of new planets, beyond the scarcely conceivable limits of the immensity of the known astronomical world, like Leverier, who, directing the almost infinite vision of the telescope by his almost superhuman theory and calculation, placed in the crown of science its most dazzling gem, and won for his own brow, the noble casquet of his glowing intellect, as faceless garland of imperishable fame; had the candidate for graduating honors, first learn the lessons of Copernicus, Newton, Kepler and La Place, without which Leverier had been sitting down, probably, in the dim shadow of twilight, elaborating vague problems and fruitless conjectures.

Wouldst an seed, conscious of its innate vitality, secure its glorious development, into the beautiful plant?

Very faint, illegible text, possibly bleed-through from the reverse side of the page. The text is arranged in approximately 20 horizontal lines across the page.

Let it first concern itself with the preliminary solidity of base, and the adjunct of moisture and heat which are indispensable; and then, though for a time obscured by the very agencies of its development, anon itself will appear, climbing up into the gorgeous sunshine, waving its tapering branches and emerald leaves in the pure, fresh air, and showering down its blossoms and fruits upon the alma mater, which cherished its infant energies, and sent them forth to utility and glory.

Intermittent Fever is one of the most ancient diseases of the Nosology. It is composed of three stages: beginning with a cold fit, followed by fever, and terminating in copious perspiration. It is remarkable, that so venerable a disease should still be subject to empirical treatment. For not only do

The first part of the paper is devoted to a
discussion of the general principles of
the theory of the subject. It is shown
that the theory is based on the
assumption that the system is
in a state of equilibrium. The
author then proceeds to a
detailed analysis of the
various cases which may
arise. The results are
summarized in the following
table.

The second part of the paper is devoted to
a detailed analysis of the
various cases which may
arise. The results are
summarized in the following
table.

The old women yet assail it with
their various and eulogised nostrums,
and the zealous Thomsonians insist
upon the unequalled virtues of lobelia
and Steam; but, even after the scien-
tific labors of ages, connected with
the most careful and patient obser-
vations, the regular practitioner has
been unable to provide himself with
a clear Pathology of this disease;
thick mists yet lingering around and
obscuring its Aetiology.

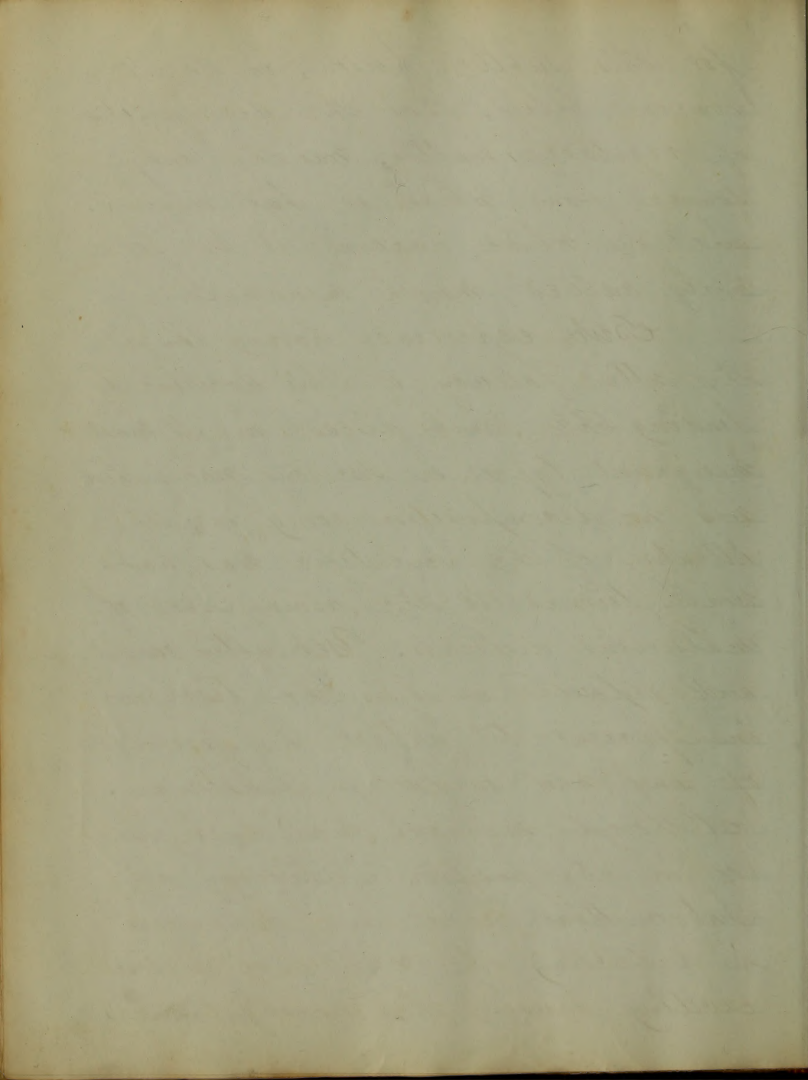
The scientific have designated
as a name, Malaria: but what is
that? Taking those districts where
the disease is most prevalent, the
low, marshy, and flat lands of North
and South America, the Pontine marsh-
es of Italy, and the fens of Lincolnshire
and Cambridgeshire in England, in-
vestigation has searched with the
microscope and chemical analysis

Faint, illegible text, possibly bleed-through from the reverse side of the page.

for his subtle poison, in the erroneous belief, that the decomposition of vegetable matter, was the only source from which it had origin: and on which account it was formerly called marsh miasmata.

But experience having taught the utter fallacy of this doctrine by finding the same disease in its most malignant type, in sections where there was no decomposition going on, the attention of the scientific was naturally turned to the atmosphere of malarious districts. Yet after careful and repeated analysis the test proved insufficient to detect the presence of any new or foreign substance.

Although medical men have failed in the positive Pathology, of Intermittent Fever and Chemists in detecting the nature of its true exciting cause, the investigation has



not been without good results.

That this poison or malaria is not confined, to marshy localities, that is that marshes are not essential to its production, I have before stated; but that such localities seem to be its favorite residence no one can deny except the inhabitants of those districts: for, like other poisons, it seems that custom destroys its sensible effects; and, therefore, a stranger from a pure atmosphere is more sensibly and sooner affected than one who from residence has become acclimated. This poison never ascends the atmosphere to any great height, but rather descends or keeps near the earth's surface.

It is also capable of being conveyed by the wind from the spots where it was generated to some

The first thing I did was to
write a letter to my mother
and tell her how much I
loved her and how much I
missed her. I told her
that I was well and
hopeful for the future.
I also told her that I
was thinking of going
to college and that I
was going to study
law. I told her that I
was going to be a
lawyer and that I
was going to be a
great one. I told her
that I was going to be
a great lawyer and
that I was going to be
a great one. I told her
that I was going to be
a great lawyer and
that I was going to be
a great one.

other that might be free from it
and healthy.

Now this may explain, in part,
why low, marshy lands are more
subject to it than high, hilly
and mountainous districts. Let
it be generated where and by
what it may, its portability, together
with its specific gravity, if I
may use the term, at once deter-
mine its locality; and as marshes,
in part, are surrounded by flat,
even lands, the malaria may be
spread by the wind over the
whole extent of their surface,
meeting but little resistance un-
til the running streams, and green
foliage of highland forests, those
boundaries of health, check its on-
ward progress.

Not wishing to give the ^{Patho-}logy
of any one on Intermittents

The first part of the paper is devoted to a
general survey of the subject, and to a
statement of the objects of the present
inquiry. It is then divided into three
parts, the first of which contains a
history of the subject, from the earliest
times to the present. The second part
contains a description of the various
kinds of the subject, and the third
part contains a description of the
various methods of the subject. The
paper concludes with a summary of the
results of the inquiry, and a list of
the references used.

fever, I will pass, at once, to
its classification, symptoms and
most common complications.

Asiologists all give three distinct
species to this disease. Thus quor-
tidian, tertian, and quartan a-
gues: each type having a charac-
ter peculiar to itself. Thus, in
quotidian agues the paroxysm
occurring in the morning of each
day, at the same hour, with
regular intervals of twenty four
hours: while the tertian, this
type though most common in
this country, observing the same
regularity, has its paroxysm com-
mencing in the afternoon on al-
ternate days, having an interval
of forty eight hours: the quartan
making intervals of seventy two
hours with paroxysms at night
on every third day. This being

Faint, illegible handwriting, possibly bleed-through from the reverse side of the page. The text is arranged in approximately 20 horizontal lines across the page.

Regarded as the rule, the ex-
ceptions are numerous. Thus we
see double quotidian, or two par-
oxysms in the twenty four hours,
or double tertian where the par-
oxysms occur every day, but at dif-
ferent hours, that of the first
and third being the same,
while the second and fourth
are the same. In like manner we
have double quartern, where the
paroxysms occur two days in suc-
cession, leaving the third day free,
returning on the fourth as it was
on the first, and on the fifth as
on the second, leaving the sixth
as the third free, and so on.

There are other modifications;
and, indeed, so many that they
rely to the young practitioner be-
comes almost worthless; and in fact
this seems to be of little consequence

Faint, illegible handwriting, possibly bleed-through from the reverse side of the page.

as they all require the same
treatment. There is one variety
of this disease known by the name
dumb ague, in which the para-
ox is incomplete. Thus a patient
may have fever and perspiration
follow without any previous chill:
or, to use his own language, he
has pains in his bones, headache,
sickness at the stomach, sensa-
tions of cold creeping over him
but not a regular shake.
These symptoms may take their
departure without any treatment,
or they may grow worse, if the
patient be still exposed to the
exciting cause, until they take on
the regular type. The diagnosis
of the disease is simple. So
much so that a person who is
affected with it applies to you
for medicine to stop the ague;

[The text on this page is extremely faint and illegible, appearing as ghostly impressions of handwriting.]

that is, if he apply at all,

The first symptoms of an approaching paroxysm are debility, listlessness, pain about the epigastrium, a disposition to extend the limbs, yawning and frequent sighing, a sense of chilliness creeping along the spine, the blood forsakes the superficial capillaries, the surface becomes pale, with the skin drawn up into little prominences; such as any one may familiarise himself with by following Doctor Franklin's mode of bathing; presently the sense of coldness becomes insupportable, the whole frame is shaken, the teeth chatter, and if they be artificial may drop out: the nails, lips and the snop of the nose turn blue, the eyes are dull and hollow, with oppression about ^{the} præcordia;

pains in the head, and in the
back near the lumbar region,
or there may be universal pain
through the body.

After these symptoms of
the cold stage have lasted for
some time, for they vary in length
as well as intensity, they gradual-
ly disappear, the shivering ceases,
the body becomes warm and the
surface resumes its natural ap-
pearance. This is called reaction:
but it does not stop here.

The hot stage is but commencing.
The face becomes flushed, the
skin dry and hot, the pulse full
and bounding, with throbbing of the
carotids, and intense headache,
respiration hurried, restlessness and
general uneasiness, sometimes deliri-
um.

These symptoms pass off in

Faint, illegible handwriting, possibly bleed-through from the reverse side of the page. The text is arranged in approximately 20 horizontal lines across the page.

what is called the sweating stage, which, makes its appearance first upon the face and extremities, and becoming general and very copious to the entire relief of the sufferer. Thus may end one paroxysm; from which to the commencement of the next, is called the intermission. But all do not thus end: the sweating may be postponed for days, or there may be perspiration with slight remission of fever not amounting to an intermission.

In such case it is a remittent fever; which is so closely allied to intermittent, that we must notice some of the peculiarities existing between them: and to make ourselves intelligible on this point, let us suppose three persons exposed to miasma at the

[The page contains approximately 20 lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper. The text is too light to transcribe accurately.]

Same place, but under different
circumstances. Let the first be
exposed under a light, moist
atmosphere, at night. They will
have remittent fever; which is
liable, if it terminate happily,
to pass into intermittent. The
second may be exposed at the
same place but for a shorter
time, and have but ague:
which with improper or no treat-
ment, may take on the remittent
type. While the third
may be exposed for days under
a dry, heavy atmosphere bearing
the place affected before night,
and escape without a single un-
pleasant symptom.

The susceptibility of the sys-
tem to be affected by this un-
known agent, while laboring un-
der other diseases, has been no-

[The page contains extremely faint, illegible handwriting, likely bleed-through from the reverse side of the document. The text is mirrored and cannot be transcribed.]

liced and taken advantage of
by some, for its prophylactic pro-
perties. Thus it has been recommend-
ed to send persons predisposed to
tubercular deposits into malarious
districts.

But such chance complications,
it is not my purpose to mention
here: but rather those more con-
stantly met, or arising from, old
and more chronic cases of intermit-
tens. Such as oedema of the lower
extremities, commencing in the
feet and ankles; enlargement of
the spleen and liver giving rise
to ascites. When this symptom,
is present, the prognosis is more
grave, There is also general
anaemia, best marked in the lips,
and gums and the sclerotics of
the eyes, the last being of a
white, ashy colour.

Faint, illegible handwriting at the top of the page, possibly a header or title.

Main body of faint, illegible handwriting, appearing to be several lines of text.

The enlargement of the spleen and liver, if not visible to the eye, can be very accurately traced by percussion. With this physical aid we can judge whether the medicines we employ be injurious or beneficial, by determining whether or not those organs gradually return to their healthy and normal size.

As to the treatment, it seems scarcely necessary to add, that it is derived only from experience. The remedial agents may be divided into two classes;—Curatives, or those that stop the paroxysm; and Prophylactic, or those that prevent its return.

If this division be made, the first class comprises but few agents, and they of but

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

minor importances. Venesection,
stimulants, opiates or emetics
have been known to cut short
a paroxysm: but, in this coun-
try at least, the paroxysm will
cease if nothing more be done,
than what nature herself prompts
the patient to do: for, in such
cases you will find him, du-
ring the cold stage lying in
the hot sun, getting near a
large fire, or, which is more
delicate, if not more conve-
nient, covering himself in bed
and having warmth applied
to his body with bottles of
hot water, or bricks, or hot air,
and using warm drinks; and
then, in the hot stage re-
moving all artificial heat,
throwing off the bed clothes,
partaking freely of cold drinks,

[The page contains extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper. The text is mirrored and cannot be transcribed.]

until they perspiration comes
out and terminates the parox-
ysm.

Although the disease, at
this point, is considered to be
merely intermittent, as to its
appearance and sensible
effects, but yet deceptively
looking in its hiding places,
and preparing for another
assault; yet what evidence
have we of the actual ex-
istence of the febris? And
why might not the patient be
regarded as convalescent? And
the remedies presented range
properly under the prophylac-
tic head? Thus constituting
the second, or prophylactic,
class the more important of
the two, and containing the
most numerous agents.

[The page contains extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper. The text is mirrored and cannot be transcribed.]

Not stopping to mention
each separate agent, that has
been employed with reputed
success, I will proceed to
those most popular with the
profession at present, cincho-
na, and arsenic. The first of
these has been called a speci-
fic: but, as with all other agents,
it sometimes fails to prevent
the return of the paroxysm,
although in most cases where
an emeto-cathartic is given in
the commencement of the disease,
followed during the intermission
with a preparation of the
bark, the sulphate of quinia,
in doses from gr. iii to dr v repeat-
ed every three hours until the
time for the expected paroxysm
shall have passed, commencing
again the day or which you

[The page contains extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper. The text is mirrored and cannot be transcribed.]

expect it to return, six or nine hours before the time for its regular reappearance, giving it, in the same manner, you may stop the disease.

Could it not succeed, however, then, the preparation of arsenic known as Fowler's solution, the Liquor potassae arsenitici U.S. is next entitled to respect, the dose of which is six to eight drops, repeated two or three times a day, until some of its unpleasant effects are produced. These two agents receive, at the present day, in the treatment of this disease, more confidence than all others.

Careful observation, aided by a progressive science, and conducted by the patient skill and unflinching genius of a

[The text on this page is extremely faint and illegible, appearing to be a handwritten letter or document.]

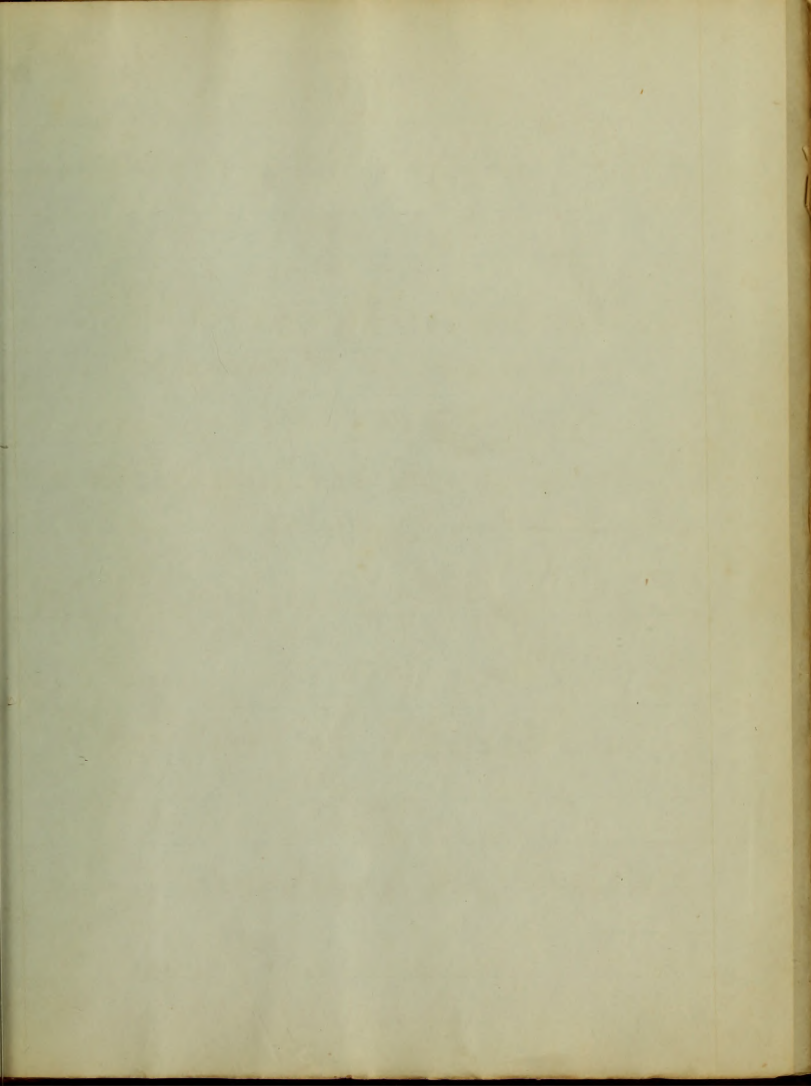
profession, ever quickened by
the philanthropic and noble
object of its pursuit, the ame-
liorations of human suffering,
and the consequent enlarge-
ment of human comfort and
happiness, will no doubt, yet
succeed in illustrating the dark
mysteries of this wily foe of man;
and thus relieve the Medical
practitioner of the uncertain-
ties which now embarrass him.
Until, then, he must endeavor
to proceed with care and pru-
dence, in the existing twilight,
and content himself with honest,
hearty exertion, and ever enduring
hope.

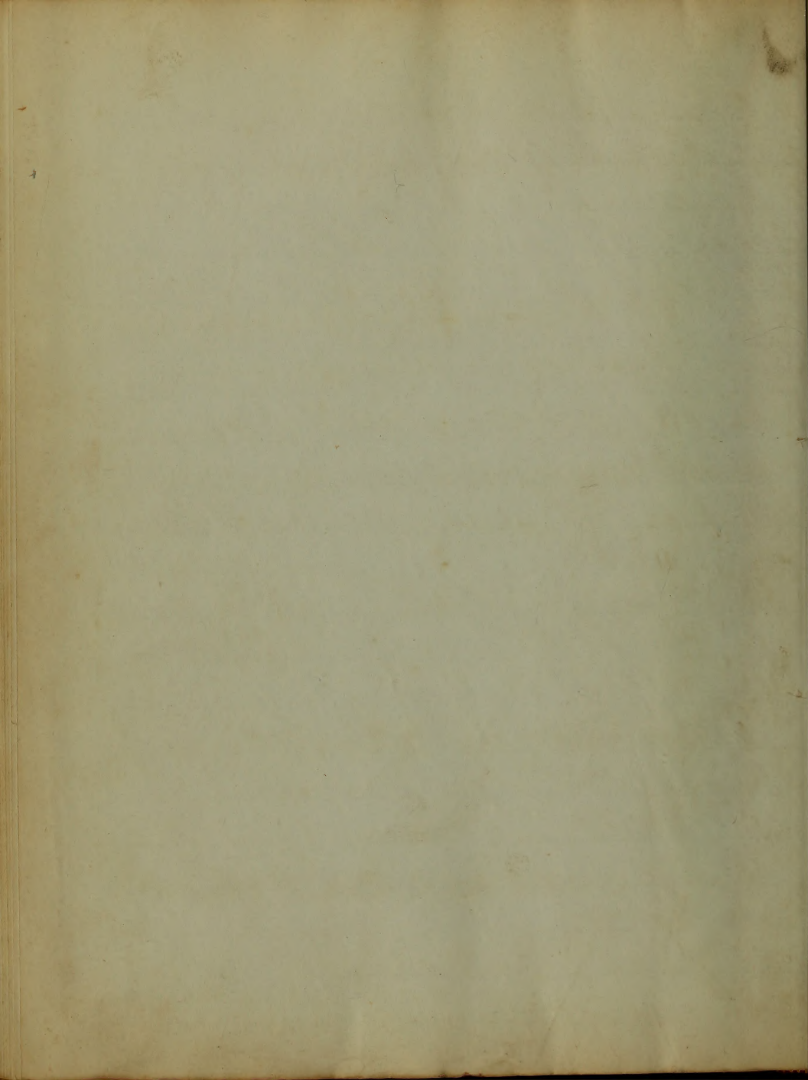
Should he see the humble
negro, a resident of one of our
malarious districts, yawning, stretch-
ing, and shivering in the hot beams

[The page contains extremely faint, illegible handwriting, likely bleed-through from the reverse side of the document. The text is mirrored and difficult to decipher.]

of his beloved sun, until his aged
retire, and then enter the domains
of the culinary queen, in quest
of his dish of fat bacon and cab-
bage; he must regard such phe-
nomena as well as the experi-
ments of the most splendid prac-
titioner, and the theories of the
most illustrious schools. For how
does he know where the truth
will be picked up? And
how can he forget, that the
tumbling of an insignificant ap-
ple, was an epoch in that ex-
act and magnificent science,
Astronomy; and that the rot-
ting of the potatoe has per-
plexed the administration
of an empire on which the
sun never sets!

[The page contains approximately 25 lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper. The text is too light to transcribe accurately.]





An
Inaugural Dissertation
On

Phthisis Pulmonalis.

Submitted to the Examination

OF THE

Medical Regents and Faculty of Medicine
of the

University of Maryland.

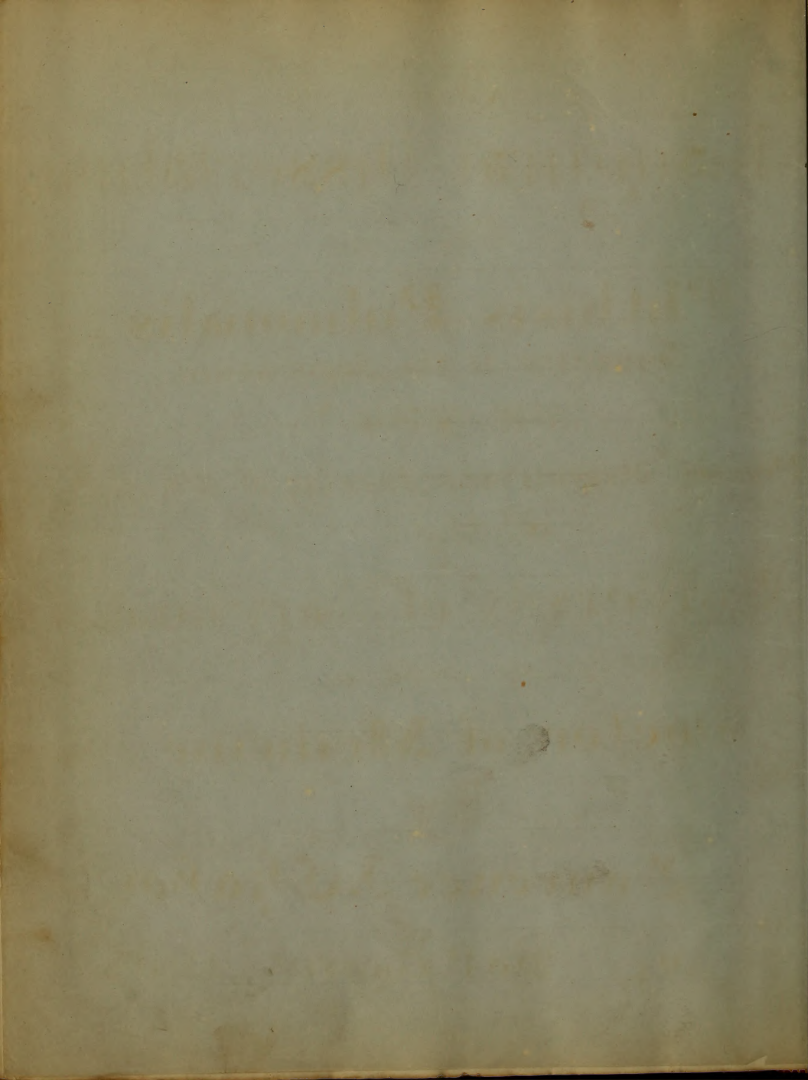
For the Degree of

Doctor of Medicine.

By

Laurence J. Chanon

of Baltimore, Md.



An
Inaugural Dissertation.
ON

Phthisis Pulmonalis .

Submitted to the Examination

OF THE

Provost, Regents and Faculty of Physic
of the

University of Maryland

For the Degree of

Doctor of Medicine

By

Laurence J. Chabot

of Baltimore Md.

Thomson's Dissertation
on

Phthisis Pulmonalis
Submitted to the Examination

OF THE

Faculty of Physicians and Surgeons
of the

UNIVERSITY OF MARYLAND

in the Year 1817

Doctor of Medicine

By

Samuel J. Thomson

of Baltimore, Md.

To

William Power M.D. Professor of
Theory and Practice in the University of
Glasgow.

Respected Sir

There is not an individual in the whole
profession, to whom I could with greater
satisfaction dedicate this thesis than yourself,
I have not aimed ^{at} elegance of style, for the
nature of my subject would not permit it;
but if I have not embellished it with the
flowers of Rhetoric, I have endeavoured as far
as possible to have my mind upon the sub-
ject—relying upon your lenity for what
errors I shall have made.

Let me not omit here to mention that
your Ardour and Zeal for the profession, and
your devoted and unceasing labours for the
Students' Advancement, have won their highest

esteem and warmest approval.

Accept this essay as a small tribute of my respect and may your talents continue to be actively engaged in the pursuit of knowledge and may the result of your labours be productive of an universal melioration of the lot of man.

My respects for your learning
and esteem for your talents and
wishes for your happiness.

L. Justinian Chabot.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Gentlemen,

Phthisis Pulmonalis or Consumption is known to mean the wasting away of the lungs by tubercular matter, it would be an error to suppose that this disease is restricted to the lungs in this case alone. An Analogy having been established between scrofulous and consumptive habits by many writers some of whom have examined the lungs of scrofulous foetus and found them with tubercles, there is no room for doubt that the formation of tubercles is always linked with the existence of scrofula diathesis. Phthisis Pulmonalis very often makes its approach imperceptibly and it makes very serious advances indeed before the patient himself is at all suspicious of his situation. Consumption, from very accurate calculations is known to come about one in every five deaths in Great Britain, the Character

Introduction

The first of these is the fact that the
 human mind is not a blank slate
 at birth. It is filled with
 impressions and ideas which
 are the result of its contact
 with the world around it.
 These impressions and ideas
 are the raw material of
 thought and action. They
 are the seeds from which
 the mind grows and
 develops. The mind is
 a living, growing organism
 which is constantly
 changing and
 adapting itself to its
 environment. It is
 a power which is
 capable of the most
 noble and heroic
 deeds, as well as
 the most base and
 criminal. It is
 a power which is
 the source of all
 human progress
 and civilization.

given to consumption by a late Novologist is

"*Corporis emaciatis et debilitatis, cum tussis,*

"*Febre hecticâ, et plerumque. Expectoratione purulenta*

Symptoms and Physical Signs

When Phtisis arises from tubercles, it is characterized by a short, tickling, hollow cough by a dyspnea; and by an indistinct feeble, quick pulse; The two last symptoms are much increased by bodily exertion, more especially towards evening, the patient now experiences a heat, and dryness of the palms of the hands; and he is assailed by an uneasiness in one side, very frequently the left, he generally sleeps upon the diseased side, for if he attempts to lie on the other, he feels an unaccountable restlessness accompanied by a teasing cough and sometimes by a sense of suffocation. In bed his respiration is particularly laborious, his sleep is disturbed, and he

is tormented by disagreeable dreams, he is not refreshed by his slumbers; but awakes under the influence of a general lassitude, with a profuse moisture upon his forehead, neck, and chest. The languor with which he awakes in the morning, he continues to experience more or less during the day; he complains of faintness, head ach and occasional sickness at stomach; he is repeatedly seized with slight rigors succeeded by flushings of heat, which exhibit a constant change of colour of the face, the appetite still remains not very materially impaired, though a relaxation of the muscular fibre, and a considerable degree of emaciation, is now very perceptible; at the approach of noon and night he complains most of thirst, and at those periods his cough is much exasperated; this stage of disease is often little attended to, and frequently

1

The first of these is the
the second is the
the third is the
the fourth is the
the fifth is the
the sixth is the
the seventh is the
the eighth is the
the ninth is the
the tenth is the
the eleventh is the
the twelfth is the
the thirteenth is the
the fourteenth is the
the fifteenth is the
the sixteenth is the
the seventeenth is the
the eighteenth is the
the nineteenth is the
the twentieth is the
the twenty-first is the
the twenty-second is the
the twenty-third is the
the twenty-fourth is the
the twenty-fifth is the
the twenty-sixth is the
the twenty-seventh is the
the twenty-eighth is the
the twenty-ninth is the
the thirtieth is the

passes over before any practitioner of medicine is consulted; the patient now experiences an aggravation of all the symptoms already enumerated. his cough is more vexatious and is attended by an expectoration of white froth, which in the morning assumes the consistence of tough phlegm, of a salt and sometimes, a sweet-taste, the velocity of the circulation continues, the strokes of the artery are stronger and fuller; and succeed each other in such a manner as to give the medical attendant a clear persuasion, that the blood is transmitted through the lungs with much difficulty; the patient is now more frequently assailed by recurring rigours, and he does not obtain any diminution of his fever either by sweating or evacuation his thirst is increased; his difficulty of breathing is now very distressing; and is generally accompanied by an acute pain

Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is arranged in approximately 20 horizontal lines across the page.

in the thorax below the left clavicle, a deep pain is also felt below the scapula if he now makes any attempt to lie down on the sound side, the sense of suffocation which he experiences, and the incessant cough which immediately ensues, preclude the possibility of his enjoying one moment repose; his appetite is much diminished, and his bowels exhibit a tendency to constipation, the want of muscular fibre becomes every day more apparent and he approaches rapidly to the last stage of the disease if the patient be a female, the cessation of the catamenia or menses is another very strong proof that the patient has *Phthisis* when we are sure they are not pregnant nor beyond their periods, it is remarkable, however that neither at this, nor at any subsequent period of the disease, do they entertain any terrors about its issue he seldom complains but of the

The first thing I did was to
 look at the map of the
 country and see what
 I could find out about
 the people and the
 land. I found that
 the people were very
 kind and the land
 was very good. I
 was very happy to
 see that. I was
 very glad to see
 that. I was very
 glad to see that. I
 was very glad to see
 that. I was very glad
 to see that. I was
 very glad to see that.

cough, he is supported by the idea, that
 if it could ^{be} removed, he should be well,
 and this cheering hope remains with him
 almost to the last hours of his existence, in
 addition to the symptoms described above he
 now labours under purulent expectoration
 occasionally mixed with blood he experiences
 a regular exacerbation of the symptomatic fever
 towards twelve at noon and the same hour
 at midnight he feels however, a considerable
 remission about four or five o'clock in the
 afternoon, and a more complete solution of
 the fever, by a partially profuse perspiration,
 about the same hours in the morning, his loss
 of strength and muscle are every day more
 apparent. his difficulty of breathing, however
 is not much increased nor are the pains in
 the thorax or side so frequent or so violent
 as in the preceding stages of the disease,

a considerable portion of the matter which he expectorates generally sinks in water; though this circumstance is by no means an infallible proof of the presence of pus; since pus, and mucus exhibit Phenomena according as they are freed from, or connected with air one very good test for detecting pus in the expectoration is to put a minute quantity of the matter expectorated between two plates of glass; hold the glass close to the eye ^{and} look through it at a distant candle, ^{light,} having a dark object behind it the pus like the blood, contains globules; and these globules when examined through transmitted light, will exhibit prismatic colours somewhat resembling those of the rainbow, there is still a better test that is: in a solution of Satash, put the expectoration, and if it be pus it will sink while mucus will swim at this stage of the disease the

a considerable number of the latter which
 he had been found with a certain degree
 of immaturity of the system an irregular
 kind of the bones of the cranium being
 not uncommonly found in various positions
 and in some cases found in connection with
 the rest of the brain but for several years with
 the exception of a few small quantities of
 the same specimens there has been no
 other than the one seen at the top of the
 skull it was rather small being a few
 lines above it the few that were
 contained within the skull were
 examined through the eye, and were
 found to be small and somewhat irregular
 in shape they were with a few exceptions
 in shape of teeth but the substance
 was of a fine and white color
 and was at the edge of the teeth the

patient has less thirst; and his appetite is
 not much diminished; although he rap-
 idly wastes away in flesh, he is consumed
 by the wasting discharges of perspiration and
 diarrhoea, alternately with each other his
 tongue becomes more clean with specks of
 white fur interspaced upon it; the thirst
 is still less oppressive; the white part of the
^{eye}
 assumes a beautiful, bright appearance;
 and there is a very considerable dilatation
 of the pupils; this last symptom is a very cer-
 tain characteristic of the presence of Pulmonary
 consumption at a preceding period of the
 disease, and more especially at this he ex-
 hibits a circumscribed flush upon one, and
 sometimes upon both cheeks, particularly after
 taking food, or after a little repose, his ex-
 pectoration increases in quantity, and becomes
 extremely offensive, from the shrinking of his

I have been thinking much of late
 and must confess that although I do not
 feel very much in the way of a common
 by the meeting together of the
 members, although not all of them
 whose business was then with respect of
 will for instance upon the
 I will be observing that what has
 been a beautiful sight of
 and there is a very considerable
 of the people; the last part of
 the character of the business of
 consumption of a necessary part of
 business, and one which is of the
 with a considerable part of the
 business upon the whole, in
 being for a part of the
 business, and one which is of the
 extremely offensive, from the

muscles, there appears a great fulness of his vascular system, his nails assume a crooked form, and bend inwards; and his hair begin to fall off, he complains much of an uneasiness, sometimes of a violent pain, in his legs, and in the soles of his feet his ancles become oedematous, his wasting discharges, continue to increase, painful aphthae of the tongue and mouth with a slight eruption upon the lips, assail the sufferer about a week or ten days before his death, which is wound up by an increase of fever, and by the supervention of delirium

Auscultation

Indicates the physical density of the tissue, and the functional play of the organs and the obstruction which impedes the passage of the air in the lungs, the signs of auscultation are much more functional

than those of percussions, you may apply
 your ear directly to the chest, or you may
 interpose between your ear and chest of the
 patient a tube, the application of the ear
 to the thorax is preferable to the tube when
 you wish to examine a large portion of the
 chest rapidly as it saves much time, in
 the diseased subject you will find that the
 strongly marked signs are very easily recog-
 nized; when a portion of the lung is rendered
 solid this is denominated hepaticization that is
 solid like liver, the presence of tubercles
 follow, in such a part of the lung, supposing
 the solidification complete, no vascular breath-
 ing will be audible, if the solidification
 encloses a considerable bronchus, and comes
 near the surface of the chest, partial breath-
 ing but where we have the entire side
 of a lung hepaticized no breathing will

be heard on that side of the chest as
 air enters only to the other lung. Crepita-
 tion, is the liquid being contained in the
 bronchial tubes and their ramifications,
 with Pus, mucus, or liquid of any kind, the
 rude respiration is one of the most interesting
 varieties of the respiratory sounds for it occurs in
 those varieties in which lesions are not yet much
 advanced, and a portion of the pulmonary tissue
 remains permeable to the air hence it is a sign of
 the earlier stages of Phthisis, of the commencement
 of pneumonia we only find the air vesicles, and the
 substances which connects them, become inflamed but
 whenever we find gurgling during respiration or
 during coughing, we conclude there exist a
 cavity, from the rude respiration next comes
 the vesicular murmur, which may be exaggerated
 or enfeebled, but still retain its essential
 character and when the cavity is large the

The lungs are the seat of the blood as
 the water supply to the other organs. The
 blood is the specific living substance in the
 function of the lungs and their connection
 with the nervous system of any kind, the
 vascular system is one of the most important
 organs of the respiratory system for it carries
 those vessels in which oxygen is not yet
 absorbed, and a portion of the pulmonary
 system is made to the air stream it is a sign of
 the earlier stages of the development
 of the system as well as the air vessels and the
 substance which connects them, become separated
 from the first growing thing which is
 the embryo, the vessels then exist
 separately from the rest of the system
 the vascular system, which may be regarded
 as a separate, but still distinct, system
 characterised and when the embryo is large, the

metallic sound may often be heard &

Percussion

As the method of estimating the density of the viscera contained within the cavity of the thorax by tapping lightly upon its surface, the rationality is very simple the lungs occupy the greater part of the thoracic cavity and are filled with air; a light tap upon the exterior of the chest gives a clear, full, hollow sound when the patient is thin and his skin is very sensitive, he will not bear a smart tap without inconvenience; and on the other hand if very corpulent or the subcutaneous cellular tissue be infiltrated with serum, the sound will be quite dull and will not truly represent the condition of the internal organs, in order to obviate this chance of error to the observer and inconvenience of the patient, a pleximeter is interposed, its only utility is to

increase the body of sound by giving more
 resonance to the elastic particles of the chest;
 The forefinger of the left hand is the most
 handy but a piece of Gum-Elastic may be used
 still under ordinary circumstances, the fore-
 finger is the best one which can be employed
 and is the best one for the patient from its
 ready adaption to different parts and its
 application to intercostal muscles, but some
 times you will find the Gum-Elastic handy when
 a female does not like the application of the
 finger to her skin. Both sides of the
 chest must be accurately compared by gently
 first ^{tapping} on one side then immediately on the opposite
 when the lung having tubercles is struck or
 percussed, it will give a dull sound showing that
 the cavity is filled up with tubercular matter,
 and not air. this difference of tone should be
 carefully noted, as an important particular in the

in the diagnosis of the Phthisis Pulmonalis.

Analysis of the Blood

The Blood being established as the source, it would seem that the next most important means of elucidating the pathology of this disease would consist in the analytical examination of the blood of consumptive patients and the comparison of it with that of healthy and of those who labour under other diseases of analogous diathesis; In the analysis of the blood of tuberculous persons as Meager, pale, serous and deficient in red globules, as the person emaciated, weak and deficient in complexion, In the blood of the consumptive the serum is found viscid and sometimes in proportion of more than 5 to 1 to the crassamentum in such blood the surface is formed of clot dotted all over with numerous small white specks of

solid matter, that has been thought to be
 tuberculous, in healthy blood when coagulated
 presents the appearance of a little more crass-
 samentum than Serum; though this varies some
 what in different individuals who manifest no
 actual deviation from health, that of the most
 athletic presenting the greater portion of crassa-
 mentum and being of a deeper colour, that of
 the delicate most abounding in Serum, and
 being of a paler colour. The crassamentum is
 composed of two parts, the red globules and
 the fibrin, the Serum is composed of albumen
 water and saline matter, the excess of fibrin
 indicates inflammatory action, and what is ^{on} abnor-
 mal proportion in phthisis is by Lacune estimated
 at three in the thousand by Berzelius at less
 than one to the thousand by Fourcroy, varying
 from ~~one~~ one to four in the thousand by Davy
 one and a half, by Nasse, three and a half by

17
The matter of the law is to be
determined, it shall be the duty of the
court to determine of a bill, and the
amount of the same, and the law is
that in different instances the manner of
the determination may vary, but of the law
itself, depending on the greater or less
quantity and kind of a paper, and the
the extent of the determination in some, and
kind of a paper, and the determination in
some of two kinds. The law is divided into
the former, the former is composed of the
law and some other matter, the former is
divided into two parts, one part is the
and the former is divided into two parts, one part is the
of three in the former, of the former is the
that the law is the former, of the former is the
from the law in the former, of the former is the
the law is the former, of the former is the

Muller, Andrioll and Gorcott three, the Globu-
 lous and serous diathesis shall be illustrated,
 The Globules constitute the richest principle of
 the blood, and persons who abound in
 them, are distinguishable by ample and well
 proportioned chests; thick rough skin; firm muscles
 superior strength, and generally, by dark com-
 plexion and hair, The Serous blooded have
 slender and badly proportioned chests; thin
 smooth skin; slender and relaxed muscles inferior
 strength fair complexion and light hair

Pathology of Tubercles

Tubercle is a white opaque or yellowish
 body, and when softened it is converted
 into a thick pasty yellow liquid of a dull
 yellow colour, and of a heavy odour the mat-
 ter finds its exit by ulceration through the
 bronchial tubes; tubercles do not always soften
 and discharge by the broncha for they some-

times when the patient's health is improved
 become hard and dry; the watery particles
 pass off, and the earthy matter increases in
 quantity, and a calcareous mass is left—hence
 we see consumptive patients cough up with
 their expectoration small round lumps of
 stone resembling lime, these lime stones are
 often found in the lungs of persons upon
 whom post mortem examinations are made. They
 may be entirely absorbed, and the patient
 may recover besides these tubercles, you will
 often find in the lungs a number of granules
 of finer consistency almost as hard as cartilage,
 semitransparent and of a bluish gray colour,
 these granules are sometimes called milky
 when they are about the size of a millet seed
 they unite, form masses of a pale yellow colour,
 and of the consistence of cheese, in which state
 they are named crude tubercles, their formation

The first of these is the fact that the
 amount of the debt is not fixed
 but varies with the rate of interest.
 The second is that the debt is not
 paid off at once but is repaid
 gradually over a long period of time.
 The third is that the debt is not
 repaid in full but is repaid in
 part over a long period of time.
 The fourth is that the debt is not
 repaid in full but is repaid in
 part over a long period of time.
 The fifth is that the debt is not
 repaid in full but is repaid in
 part over a long period of time.
 The sixth is that the debt is not
 repaid in full but is repaid in
 part over a long period of time.
 The seventh is that the debt is not
 repaid in full but is repaid in
 part over a long period of time.
 The eighth is that the debt is not
 repaid in full but is repaid in
 part over a long period of time.
 The ninth is that the debt is not
 repaid in full but is repaid in
 part over a long period of time.
 The tenth is that the debt is not
 repaid in full but is repaid in
 part over a long period of time.

is explained by Dr Caswell thus the membrane lining the air-passages secretes from the blood, not only the matter of tubercles but its own proper fluid; whence it sometimes happens that a dull yellowish point of tubercles matter becomes enclosed and set, as if it were, in a small grey tough, semi-transparent mucus. The masses are formed by growing together of many smaller tubercles, and the areolar tissue, with the other tissues which originally separated these tubercles. The condition of the surrounding tissue is very various if the case is purely constitutional; the blood of the tuberculous, on coagulation presents a small, pale, firm clot, floating in an excess of serum. "Andriall says that in phthisis the fibrin is always abnormally increased while the globules are as constantly diminished and these disproportions keep pace with the progress and intensity of the disease; when tubercles

is a mixture of the same like the one
 that I have seen in the
 West, but they are mostly of tubular
 paper tubes, which is common paper
 and yellowish kind of tubular matter
 which is not so soft as a shell of
 paper, but is common among the tubes
 found by joining together of many
 tubular ones the greater tubes with the
 tubes which originate from the
 connection of the surrounding tubes in
 series of the one a finely constructed
 the base of the tubulars are separated
 from a small hole, from the
 an excess of them. "Tubular" says that in
 follows the fiber is very abundant
 while the plates are very thin
 and thin tubulars are seen with the
 from an excess of the same, the tubes

are still crude, the increase of fibrin is scarcely appreciable; when they begin to soften, it is more marked; and at length when vomica are formed the portion of this element sometimes rises to six parts in a thousand the red globules, on the other hand, follow the very opposite directions, their decrease is progressive from the commencement to the close of the disease; the difference often exceed twenty; in addition to this we have abundant evidence that persons of a tuberculous diathesis, are deficient in red globules, not only in progress of phthisis, but prior to its onset—this anæmia is indicated by their waxy aspect or pale colour of the blood

Causes

Pulmonary Consumption may arise from hæmoptysis, Catarrh, Pneumonia, asthma, tubercular diathesis, violent passions affections of the mind; as grief, disappointment, anxiety, great

are with some, the measure of justice is more
 applicable; when they begin to reflect upon
 some matters, and at length when some
 former the justice of the cause remains
 in the mind as a standard, the one speaks
 in the other hand, when the very object is
 justice, there is no more a progressive from the
 announcement to the end of the measure; the
 difference often great though in addition
 we have admitted evidence that portion of a
 substantial distinction, an opinion is not spoken
 not only in progress of justice, but justice is
 that this measure is necessary to this
 body report or full view of the whole
 measure
 testimony testimony from many sources from
 testimony, details, testimony, and in this
 all testimony testimony testimony of the
 justice or justice testimony, justice, justice

evacuations or diarrhoeas, Onanism, and too
 great an indulgence ~~in~~ excessive venery,
 it is a general opinion that a combination
 of all other supposed causes of the disease,
 bears an infinitely small proportion to the
 number of cases constituted by the presence
 of tubercles, a person with a long neck narrow
 chest, flushed face, and a delicate skin is
 described as being the most subject to hemop-
 tysis it is also strikingly true that this identical
 habit is pointed out, as the most liable to scrof-
 ula. If hemoptysis without being attached to
 a habit supposed to be scrofulous, did gen-
 erally produce pulmonary consumption we
 should find consumption almost succeeding
 to injuries done to the lungs this is not the
 case, the evidence of army surgeons and ex-
 perience, will go to prove, that wounds in the lung
 whether inflicted with a musket ball or with

the point of the bayonet seldom or ever termi-
 nates in pulmonary consumption Dr Rush
 says he met a British officer a few days after
 the battle of Brandywine who informed him that
 the Surgeon General of the royal Army, had assured
 him that out of twenty four soldiers, who had
 been admitted into the hospitals during the
 campaign of 1776 with wounds in their lungs
 twenty three had recovered. respecting the
 respecting the supposed operation of catarrh
 and pneumonia in the production of pul-
 monary consumption seldom or never fol-
 lows the a more violent inflammation of the
 lungs cannot be induced by catarrh or pneu-
 monia, than that which might arise from a
 ball or bayonet, piercing through the substance
 of that organ; and if it be true that Pulmonary
 consumption seldom or never follows the injury
 caused by those bodies, it is thought improbable

the first of the papers were a new one
 was in handwriting a manuscript of the
 they do not seem to be of the same age
 the date of the manuscript is not known
 the paper is of the same kind as the
 the date of the first paper is not
 has been written into the book
 manuscript of 1773 and is in the
 and there has been some
 regarding the different opinions of
 and the manuscript is the first
 manuscript is not in the
 but the same without explanation
 they cannot be because of certain
 some that that which might
 tell a paper being through the
 of that paper and if it be the
 manuscript is not in the
 some of these papers it is thought

that the disease should be produced by an injury comparatively trifling unless such an injury be applied to a habit predisposed to pulmonary consumption.

Respecting the influence of asthma in the production of Pulmonary consumption this disease and asthma are generally observed to make their attacks the former at an early and the latter at an advanced period of life. Besides asthma is more frequently a spasmodic disease, and will sometimes yield to the administration of antispasmodics but upon the supposition that the means employed afforded no relief, yet the asthma will continue for many years, without ever exhibiting a pulmonary consumption; further whooping cough which is a very severe pulmonary affliction seldom or ever terminates in Pulmonary consumption.

The first thing I should mention is the
 importance of the subject matter
 in this paper. It is a study of the
 history of the industry and the
 changes that have taken place over
 the years. The first part of the
 paper discusses the early days of
 the industry and the challenges
 that were faced. The second part
 discusses the growth of the industry
 and the factors that contributed to
 its success. The third part discusses
 the current state of the industry
 and the challenges that it faces
 today. The paper concludes with
 some thoughts on the future of
 the industry and the role of
 government in its development.

Onanism, this secret and pernicious vice of youth which undermines the constitution and sows the seeds of Pulmonary consumption, that no wonder so many young men enter a premature grave, it is a fact that cannot be too well established, that no existing cause so rapidly de-velops these diseases, as the propensity to Solitary delirium; however remote the predisposition to Phtisis may be, and that has often been attributed to hereditary diseases or contagion which has had its origin solely in an adherence to this practice; and that many children born of delicate parents, and who have even been delicate themselves, have had their chests and constitutions strengthened, by their mere continuance in a chaste and innocent course of life although, in their infancy, they may have been regarded as consumptive is it then to be wondered at, that so many

Ourselves, this is the true and genuine sense of
 justice which we maintain in the world, and
 in the case of voluntary contributions, that we
 would to many young men with a handsome
 year, it is a fact that some of the well bred
 labor, that we existing cases to rapidly be
 before the success in the progress of education
 should be made the foundation of
 others may be, and that the other side
 should be a healthy success or comparison
 that we do not begin to help in an other
 way to the further and that many children
 for of delicate health, and who have been
 for which the children have been
 that are constitutionally weak, by the
 more numerous in a school, and consequent
 cause of life, although, in their infancy,
 they may have been regarded as successful
 it is then to be observed that to many

persons die of consumption, attributing their death to delicate constitutions, if they waste as soon as they have the power, the little strength that nature has bestowed upon them. By this vice according to Sydenham the organs of respiration are the weakest of all those belonging to the human race, two thirds of mankind die of diseases of the lungs; and the most common ^{time} period in which young persons resort to these vices, is precisely that where in the chest exhibits the greatest susceptibility to all the above causes of consumption; we may add ^x sleeping ^x as a contagion, with consumptive persons; this has been the cause of the death of many who only die from sleeping with consumptive persons having always previous to them, enjoyed good health, and not the slightest symptoms of Phthisis.

known all of consequence, attending the
 well to avoid the possibility of any such a
 case as they have the papers the little things
 that nature has bestowed upon them, the
 the are according to the nature of the
 of the nature in the conduct of all the
 belonging to the human race, the kind of
 mankind use of reason of the things and the
 and the things that are in which things are
 used to the man, is chiefly the nature
 in the that which the nature is naturally
 to be the other cause of consequence, and
 the things are a consequence, and things
 nature, that is the nature of the man
 of nature, and the things that are in which
 the things that are in which things are
 the things that are in which things are
 the things that are in which things are

Treatment

It is towards the first period of Pulmonary Phthisis that we should direct all the efforts of our noble science, although persons have recovered from consumption from under very discouraging appearance, and therefore we should never wholly despair, it is our duty while life lasts, to persevere in our efforts,

As the blood of the consumptive patient has been found to be deficient in red globules or impoverished, the principal and only thing is to change the consumptive diathesis by enriching or increasing the red globules. This must be accomplished by a treatment calculated to impart increased functional vigor, and activity to defective and weak organs, we can resort to more immediate benefit, the lungs in Phthisis bear charge of this disease and so remedies which increase the excretion will

Theodore

It is known that the first cause of the
of children that we speak of is the
effect of our will, which is the
has caused for our children from our
very encouraging opinions, and therefore
there is some doubt as to the
this life, but to become in our
to the best of the remaining
to be found to be a fine and
to ourselves, the principles are not
is to change the conditions of
siding or increasing the rate of
be accomplished by a thousand
to infant measures, and
activity to operate and lead
not to our children, but
is the best change of the
a certain and certain

also increase the action and determine to the organs they act upon, such articles should be selected so act mainly upon the excretory organs that the lungs may thereby be relieved by making them as far as possible perform vicarious exercise another consideration is the medicine should be a tonic, diaphoretic, and diuretic that act upon the kidneys and skin and this they should seldom do to any great extent but of all the remedies that have ever been given for the cure of *Phtisis pulmonalis* none deserve the praise nor should be relied upon as much as iron; Iron is a remedy directly adapted to reinstate the deficient constituents of the blood, by increasing the colouring matter or red globules, may be seen from its use; Chalybeates then in any form may be used with advantage. also, Irish moss made

The more the more we observe to the
 upon the act upon, but still observe to
 the more we observe of the necessity
 upon that the things may be as
 done by making them as for a family
 upon various occasions another committee
 is the reason should be a town, which
 the one committee that act upon the history
 are then, and the things should be done as
 to say great effort, but of all the committee
 that have ever been given to the one of
 the other persons, some should be done
 on them to receive upon as much as
 the more is a remedy which is better
 a minister the official conduct of the
 they up a committee the following are the
 over of the, may be done for it as
 chapters that in any form may be done
 with every day. The whole of the more

into a Symp. possesses great advantage
 owing to the Iodine it contains, Iodine is
 found in Oysters. Thus it may be seen why
 it is proper to give Oysters in their uncooked
 State Counter Tritents in this case will be
 found of the greatest avail in the form
 of tartar Emetic Ointment, by which the patient's
 chest may be kept swelling for some time,
 as regards the Hygienic treatment, it may be
 proper here to state that this is so essential
 that it would be next impossible to be cured
 without this most important auxiliary, the
 first is pure atmospheric air which we
 breathe to be healthy it is necessary to
 have nothing but a due proportion of
 Oxygen (one volume), ^{and} Nitrogen (four volumes)
 accidental ingredients of atmosphere, besides
 these gases named, sometimes contain other
 Substances such as carburetted Hydrogen and

into a group of some great accounts
 owing to the nature of certain, being a
 former in order that things be done
 it is better to give orders in this manner
 that some orders in this case be
 former of the great ones in the form
 of this order, therefore by which the
 that may be determined for some time
 as regards the typographic nature, it may be
 paper has to be that this is so much
 that it may be not important to be
 without this great importance, especially the
 fact is that the typographic nature is
 made to be better, it is necessary to
 have nothing but a case of paper
 typographic nature, therefore by which the
 that the typographic nature of the
 that the typographic nature of the
 that the typographic nature of the

sulphuretted hydrogen, no one will doubt
 the influence which air must have over us
 nor that it is susceptible and does take up
 a great variety of articles, many of which
 are pernicious to health as I said
 before, no one will doubt the effluvia
 arising from marshy grounds, decayed
 animal and vegetable substances confined
 or unwholesome air, where many persons have
 breathed with no ventilation; also air im-
 pregnated with the fumes of metals, it proves
 extremely hurtful to the lungs and often
 commodes the tender vessels of that necessary
 organ.

The Diet should consist principally of
 milk, oysters, beef, rice, Muck and Milk,
 and good malt liquors, such as beer,
 porter, and ale; of course raw oysters
 would be preferable to those cooked as

The first object of the present paper is to show
 that the system of agriculture which has been
 pursued in this country is not only the most
 profitable, but also the most beneficial to
 the community. It is not only profitable
 because it yields the greatest return for
 the capital employed, but also because it
 affords the most abundant and durable
 subsistence to the people. The system
 of agriculture which has been pursued in
 this country is not only the most profitable
 but also the most beneficial to the
 community. It is not only profitable
 because it yields the greatest return for
 the capital employed, but also because it
 affords the most abundant and durable
 subsistence to the people.

The first object of the present paper is to show
 that the system of agriculture which has been
 pursued in this country is not only the most
 profitable, but also the most beneficial to
 the community. It is not only profitable
 because it yields the greatest return for
 the capital employed, but also because it
 affords the most abundant and durable
 subsistence to the people. The system
 of agriculture which has been pursued in
 this country is not only the most profitable
 but also the most beneficial to the
 community. It is not only profitable
 because it yields the greatest return for
 the capital employed, but also because it
 affords the most abundant and durable
 subsistence to the people.

the heat in cooking deprives the Oysters of the Iodine, only for which they are taken in Consumption, all food and drinks should be taken in small quantities, as all the above named food is light and of a nutritious quality ^{from} which consumption patients may receive much benefit, that is before the disease ^{is} properly set in; if then remedies are not applied in the incipient stages they will be but of little avail.

An account is related by a medical gentleman, of a man in the last stage of Pulmonary Consumption his wife having lost her infant ^{to} whom she ^{was} then giving suck in order to get relief, she asked her husband to draw her milk or in other words to suck her breast and strange to say he was entirely cured of his Consumption by this we may see ^{the} benefit derived from a milk diet.

The first in making repairs the paper
 of the house, & of the whole of the
 in consequence, all the work
 should be done in such a manner
 as the other rooms for is left
 of a sufficient quality, which
 having very close walls, the
 is upon the walls, & upon the
 the windows are not affected with
 not that they will be full of little
 the house is visited by a person
 the use of a mouse in the end
 of a chimney, & in
 the house is full of
 in order to get rid of, the
 to show how well a
 the best and cheapest way
 used of this composition
 the house is full of

All food that should be avoided in this formidable disease and such as will advance its progress is, Hog meat in any form such as pork, either fresh or salt, Bacon and Ham this species of meat, must be most strictly abstained from, as persons who are of a serofulous diathesis are very readily taken in consumption from its use, there are many other things to be mentioned some of which are cabbage, fish, crabs, spiritous liquors, in short the patient ^{should} eat nothing that is either heating or hard of digestion, the beneficial and essential part is exercise; indeed this is so important that even when the disease is far advanced a journey to a warm climate has been the cause of the patients entire recovery exercise such as give the body a great deal of action without much fatigue as the motion of a

all from that which he receives in the
 form of the sun and that is why we
 have its progress is, day after day, from
 dark to light, either from a cold, or from
 from the effects of heat, and that is what
 strictly obtained from the sun, who are
 of a beautiful weather, are very healthy
 taken in consequence from the sun, but
 are very often liable to be attacked with
 of which are cold, and of which
 signs, in that the patient is not feeling the
 is either feeling a kind of the patient, the
 beneficial and essential part of the
 matter, this is so important that even the
 the climate is far advanced a journey to a
 from climate has been the cause of the
 patient's state, however, exercise and
 to give the body a great deal of
 without much fatigue, as the matter of a

vessel or a carriage is the proper motion,
 another thing is a long journey where the
 mind shall be amused by a continual
 change of objects is greatly preferable to riding
 the same road over many times, all riding
 must be avoided in damp and cold air
 always remembering to wear flannel next
 to the skin; this is too important a hygienic
 treatment to be neglected, wet feet, damp beds
 and damp clothing, night-air, more consump-
 tive patients date the beginning of their disor-
 ders from wet feet than any other causes although
 among the things to be avoided as a hygienic
 means are excessive evacuations as sweating
 diarrhoeas fluor albus, an over discharge of
 the menstrual flux and giving suck too long;
 persons of a consumptive diathesis by paying
 attention to the above hygienic treatment may
 often escape this formidable disease.

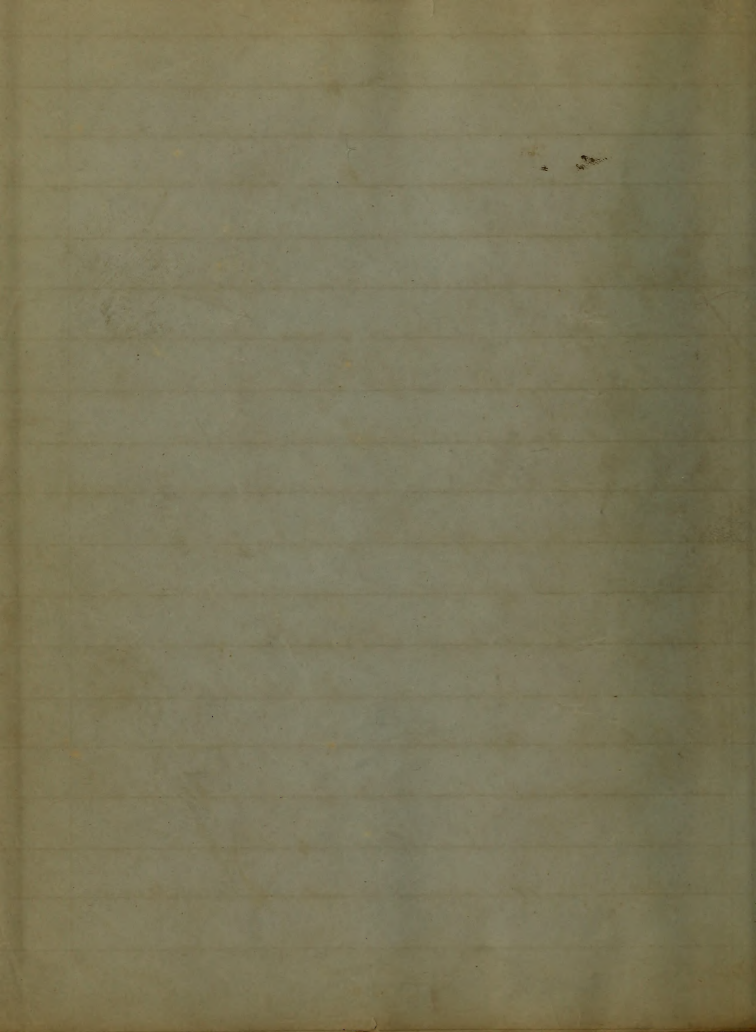
that in a country where the people are
 so much engaged in a long journey, the
 mind will be more by a continual
 change of objects in daily life, it will
 be more easy to keep the mind all day
 than the attention in sleep and to be
 always returning to a state of inattention
 to the mind; this is the object of a regimen
 that is to be regulated, not just, but to
 be that of the night, and the same
 the patient that the beginning of the
 one for out for the next seven years, although
 among the objects to be avoided in a regimen
 there is excessive conversation, as well as
 frequent sleep, as an too discharge of
 the intellect has not given back to day;
 cases of a cerebral disease, by paying
 attention to the above Hygienic treatment, may
 after some time be cured.

An inaugural Dissertation
On
Acute Hydrocephalus
Submitted

To the examination
of the Vice-Chancellor and Faculty
of Physic
of the University of Maryland
for the degree of Doctor of
Medicine

By
John Edward Bowler

of the County of Howard, State of Maryland.



An Inaugural Dissertation
On
Acute Hydrocephalus

Submitted

to the examination

of the Provost, Regents and Faculty

of Physic

of the University of Maryland

for the degree of Doctor of

Medicine

By
John Edward Fowler

of Salisbury, Somerset Co. Maryland.

The University of Cambridge
has the honor to receive
from the Hon. the Secretary
of the Board of Agriculture
a copy of the Report
of the Committee of Enquiry
into the State of the
Agriculture of the Kingdom
for the year 1834
which has been
sent to the Hon. the Secretary
of the Board of Agriculture
for their consideration
and for their report
to the House of Commons
in the next Session
of Parliament

No

Samuel Chew M.D.

My able Preceptor and Professor
of the University of Maryland

This Dissertation is Dedicated,
With the greatest respect for his
Talents, and gratitude for
his Kindness.

17

Samuel W. M. M.

Report of the Board of Trustees
of the University of Maryland

This report is submitted
with the greatest respect to his
patent and gratitude for
his assistance

It is not my purpose to enter upon any minute examination or discussion of the subject which I have proposed to take up as a theme of speculative inquiry; but merely to give in a short and cursory manner the pathology, prognosis, diagnosis, predisposing and exciting causes and treatment, with the morbid appearances on dissection as stated by the generality of approved writers.

The attention of medical writers has been directed to the subject of Hydrocephalus from the days of Sydenham to the present time, without any perceptible advancement, with regard to its appropriate modification or accurate discrimination, and without any confirmed or specific mode of treatment.

In defining hydrocephalus, I will be governed by the ancient authors who for convenience of description have defined it into internus and externus.

Hydrocephalus externus is a collection of water between the membranes of the brain.

Hydrocephalus internus is when the water is collected in the ventricles of the brain producing apoplexy and other cerebral derangements.

The pathognomic symptoms given by most writers are pain in the head, stupor, dilatation of the pupils, frequently nausea and vomiting, preternatural slowness of the pulse and convulsions. Hydrocephalus is a disease almost peculiar to children, rarely known to extend beyond the age of six or seven though it has been known to attack children from the seventh to the fourteenth year of their life.

This disease prevails especially among children of a scrofulous diathesis and hereditary predisposition.

It has been observed by many authors to pervade families affecting the greater part, or all of the children at the same period of their lives; showing evidently in most cases

that the disease depends on the general habit more than any local cause or affection, though it is supposed by writers of eminence that hydrocephalus depends more on violence done to the brain externally than to any debilitated state of the system.

The causes of the disease may be of a phlogistic or chronic character. By the generality of writers it is regarded as a disease of a highly increased action a notion has always prevailed among writers that the absorbent system by a high state of inflammatory action in the parts affected suffers a state of morbid debility, in which the disease originates. The exhalent arteries throw out more serous fluid than the absorbents can possibly take up - this is consistently supposed to be the cause and effect in all dropsies.

In drawing conclusions between different authors, it would seem proper and rational to suppose that hydrocephalus in many instan-

2

that the human mind in the present state
is not capable of receiving an efficient cause
in a manner by which it is necessary that
it should be affected, more or less, than
it is actually affected, than it is actually
affected.

The nature of the human mind is of a
changeable character. By the operation of
this operation, the human mind is
affected in a manner that is known to
be that the human mind is not
able to be affected in the same
manner as it is actually affected in
the present state. The human mind
is not actually affected, but the human
mind is actually affected. This is
actually affected in the present state
of the human mind.

The human mind is not actually affected
in the present state, but the human
mind is actually affected in the present
state of the human mind.

ces is the consequence of inflammation of the brain; in other instances it would seem to arise from an impoverished state of the blood or topical injuries if admitting this to be a fact we are inclined to believe that cases produced by debility alone are not very frequent. The indiscriminate likeness abiding between the characteristic symptoms of inflammation of the brain and those which form the first stage of acute hydrocephalus seem to point out a strong evidence of the disease being of an active inflammatory character.

The good effects experienced by blood-letting, and the inflammatory appearances which the blood exhibits in such acute and primary inflammations, are proves positive of its inflammatory character, which rarely or never occur in debilitated or impoverished state of the blood system. Hydrocephalus as has been stated above prevails chiefly among children from the second to the fourteenth year of their lives, after which period it rarely or never occurs.

¹²From the circumstances of hydrocephalus attaching very young children renders the diagnosis very obscure in most cases

Hydrocephalus is divided by most authors into three different stages; by others it is divided into four; but Doct^r Watson in his able treatise upon this subject restricts the division into two for all practical purposes; it might be supposed that these varieties or divisions are laid down for arbitrary purposes, although it is noticed in a great many cases of acute hydrocephalus, that the symptoms of the different stages might be blended together or some might be wanting.

The symptoms characterizing the precursory stage of acute hydrocephalus are those consisting chiefly of a deranged state of the nutritive functions, the patient losing his appetite, his tongue coated, breath offensive, nausea and vomiting, parched tongue, hot, dry skin, headache, throbbing of the temporal arteries and with very quick pulse, the symptoms of the first stage here described, having irregular

[The page contains faint, illegible handwriting, likely bleed-through from the reverse side of the paper.]

exacerbations and remissions characterizing in some degree a remitting form of fever.

It is of great importance for the safety of the patient to distinguish or recognize acute hydrocephalus in its premonitory stages, having the symptoms above described, in the young child to be in most cases the premonitory symptoms of acute hydrocephalus; but such symptoms are by no means considered by Dr. Watson to be always followed by acute hydrocephalus nor he says is acute hydrocephalus always preceded by such symptoms.

In very young children the incipient stage of the disease is observed by unnatural wakefulness, frequent crying and sudden screaming occasioned by severe shooting pains through the head which gives warning of the approaching disease, with these and other affections of the head - we mark an hereditary predisposition.

It appears to have been a controverted question whether ^{the} derangement of the digestive organs is or is not the cause of the affection of the brain or whether

7
both disorders are not the common effect of the same cause; the alimentary canal is in most cases found to be much affected - hence cholera infantum of long standing is frequently followed ^{by} hydrocephalus.

It is considered that the stomach and bowels are more liable to be acted on by injurious influences than the brain - therefore if such is the case hydrocephalus may be considered to originate from such derangements, however such derangements of the stomach and bowels, come on and last and indefinite time and runs a protracted course without approaching to hydrocephalus; and hydrocephalus frequently makes its attack and runs its course without any apparent abdominal derangement.

The premonitory symptoms of hydrocephalus are subject to various changes - the most prominent and constant symptoms are severe shooting pains through the head, restlessness, disturbed sleep, grinding of the teeth, and with loud screams indicating the disordered state of the brain, also with

a frequent pulse, hot skin, vomiting, white tongue,
offensive breath, stools green or black, and loss of ap-
petite—these symptoms may last but a short
time and run rapidly into the second stage.

Considering the preliminary symptoms of the
first stage as given here answers to the period of
excitement, a true inflammatory stage modified
and shown in ^{an} otherwise healthy patient.

The second stage of hydrocephalus is characterized
by a collapsed state of the system, with the symptoms
directed especially to the head, the pulse become
slow, irregular and variable, with the slowness of
the pulse comes on coma general lassitude and
insensibility, dilated pupils, imperfect vis-
ion, light no longer troublesome, the child lies
on his back undisturbed by noise, though frequent-
ly aroused by exclamations and cries indica-
ting severe pain, convulsions frequently occur,
spasmodic twitchings, paralysis &c urine and
alvine evacuations are involuntary, with these
are joined the common symptoms of a continued

The first part of the book is devoted to a general
description of the country and its inhabitants.
The second part contains a detailed account of the
history of the country from the earliest times
to the present day. The third part is a
description of the natural history of the country,
including the animals, plants, and minerals.
The fourth part is a description of the
arts and manufactures of the country.
The fifth part is a description of the
commerce and trade of the country.
The sixth part is a description of the
education and literature of the country.
The seventh part is a description of the
religion and customs of the country.
The eighth part is a description of the
government and laws of the country.
The ninth part is a description of the
military and naval forces of the country.
The tenth part is a description of the
public works and improvements of the country.
The eleventh part is a description of the
state of the country at the present day.
The twelfth part is a description of the
prognostic of the future of the country.

fever, manifesting in the first stage a remitting form passing from thence into a continued fever.

In describing the third stage of hydrocephalus we cannot give any material change in the characters of the second and third stages of this disease, only with regard to the pulse which is in the second stage preternaturally slow, becomes in the third stage very rapid. With almost indiscriminate beats of the pulse the child continually rolls its head from side to side, making perpetual moans with his hand waving in the air or applied to the head, generally with paralysis of the other side.

In consulting different authors upon this subject we find various opinions expressed especially between the ancient and modern writers, in describing particularly the third stage.

We notice that Dr. Cullen, Rush, Brown, Thomas and Gregory, give different views in many respects with regard to the pathology and diagnosis of hydrocephalus, to what Watson and

other modern writers at this time do.

I have alluded to the greater part of the symptoms which exist in hydrocephalus (as far as my feeble abilities will allow) more especially in the order which they should appear, first in the premonitory stage, second those which characterize the second and lastly those which characterize the third.

I deem it unnecessary to treat more upon the pathology and prognosis of hydrocephalus.

The common observation of the medical world has stamped its character as being the most formidable disease to which children are liable, for when it has passed into the confirmed stage without treatment it is always hopeless.

It is certainly a melancholly thing, to consider how little this disease is under the controll of medical treatment—such cases are truly deplorable. Before entering upon the consideration and plan of treatment it is necessary to remark that the chance of recovery is always greater in

proportion as the disease is detected early, - the chief object and most important in this disease is its early detection so that an opportunity may be afforded to check the disease before it passes into the second and third stage.

In the treatment of acute hydrocephalus the chief indications are, in the first ~~stage~~ or premonitory stages, to reduce the inflammatory action by lessening the force of the heart and arteries, and in the advanced stage to promote absorption. In the first stage we trust chiefly to blood letting and purgatives, such as calomel, jalop, rhubarb, and scamony.

This disease being indisputably inflammatory requires the necessary remedies of inflammation though Dr. Watson says we must ever bear in mind that our patients are children, and for the most part weakly and scrofulous; their time of life and presence of stremous diathesis both forbid the strenuous appliance of antiphlogistic remedies which might be proper and ne-

cessary in inflammatory cases of adults of strong and healthy frame.

Whereas Dr. Gregory, says, ^{the} indispensable necessity of blood letting and other active measures in this disease, I can hardly express myself too strongly. The true measures necessary for blood letting in this case as well as other inflammations, is evidently shown by the effects produced at the time.

The first bleeding should be copious, such a one as would make a decided impression on the system - by adopting such a course in the early or approximating stage, generally breaks the violence of the disease, much sooner than by small and frequent bleedings.

No general rule can be adopted with regard to the amount of blood to be taken, in every case we must be governed by our judgment of the appearance, habit and disposition of our patient.

The next step to be taken of most importance

The first thing I did was to
go to the bank and see
how much money I had
left. I found I had
just about enough to
get on for a few days.
I then went to the
grocery store and bought
some food. I had to
be very careful not to
spend too much.
I then went to the
post office and sent
some letters. I had
to wait a long time
because there were
so many people there.
I then went to the
park and saw some
very nice flowers.
I had never seen
any like that before.
I then went to the
library and borrowed
some books. I had
to wait a long time
because there were
so many people there.
I then went to the
cinema and saw a
very nice picture.
I had never seen
any like that before.
I then went to the
restaurant and ate
some very nice food.
I had never eaten
any like that before.
I then went to the
theater and saw a
very nice play.
I had never seen
any like that before.
I then went to the
concert and heard
some very nice music.
I had never heard
any like that before.
I then went to the
dance and saw some
very nice dancing.
I had never seen
any like that before.
I then went to the
party and had a
very nice time.
I had never had
any like that before.
I then went to the
concert and heard
some very nice music.
I had never heard
any like that before.
I then went to the
dance and saw some
very nice dancing.
I had never seen
any like that before.
I then went to the
party and had a
very nice time.
I had never had
any like that before.

is the administration of purgatives, calomel and jalap or scamony combined is our main dependance, exhibited with the indication to clear the alimentary canal of its morbid contents and correct the vitiated secretions and to relieve the engorged cerebral arteries. the best form to effect this purpose is calomel and jalap.

Sometimes the stomach is so irritable that it will reject all forms of medicine, when such is the case, and not corrected by a previous bleeding, it would be advisable to give injections to allay the irritability of the stomach and to procure the necessary evacuations. In all dropsies the compound jalap powder should never be neglected if we are to credit the account given of its effects by Doctor Eberle in his *Medicina Medica*.

In promoting the absorbent system, our chief object in affecting that purpose is

[The page contains approximately 20 lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper.]

colomet in small, frequent and repeated doses, together with the mercurial unction; this shows its influence upon the system by affecting the bowels.

With regard to the beneficial effects of cold in acute hydrocephalus, no one doubts, if there is much heat; and after sufficient evacuations.

The evaporating lotions of ether and cold water and spirits, are of essential service - repeating as often as the patient gets warm.

The influence of cold applied in this mode with the head elevated, at the same time the feet immersed in warm water, renders the patient more comfortable, if not more safe. Blisters may be beneficially applied in the advanced stage, but never in the first stage of the disease; they may be applied to the nape of the neck or scalp, and may be applied in succession or may be kept open by irritating unguents. These are the chief and main remedies in which we

[The page contains approximately 25 lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper.]

can rely in acute hydrocephalus.

In the premonitory stage, bleeding, purging and application of cold are the chief indications, mercury and blisters sometimes narcotics are of more efficacy than the first, in the advanced stage. With regard to diuretics such as digitalis, colchicum, squills, antimony &c are of service sometimes, but bear no specific relation in controlling the disease.

The morbid appearances of acute hydrocephalus, on dissection appear to be characterized by a softening of the central portion of the brain, with watery effusion in the ventricles, in the substance of the brain is frequently found scrofulous tubercles. Induration and softening of the substance of the brain, adhesion and distention of the veins always present, excepting when the patient dies in the first stage of the disease.

There is much said by different writers in relation to the morbid appearances

of the different viscera, especially of the abdomen and stomach. Indeed it would be vain to say that any organ or viscus in the human body is not liable to tubercular deposits in such cases; the lungs, liver and very commonly the serous membranes of the thorax and abdomen are invested with these minute tubercles.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Journal of the

Meeting of

the

of the

of the

of the

of the

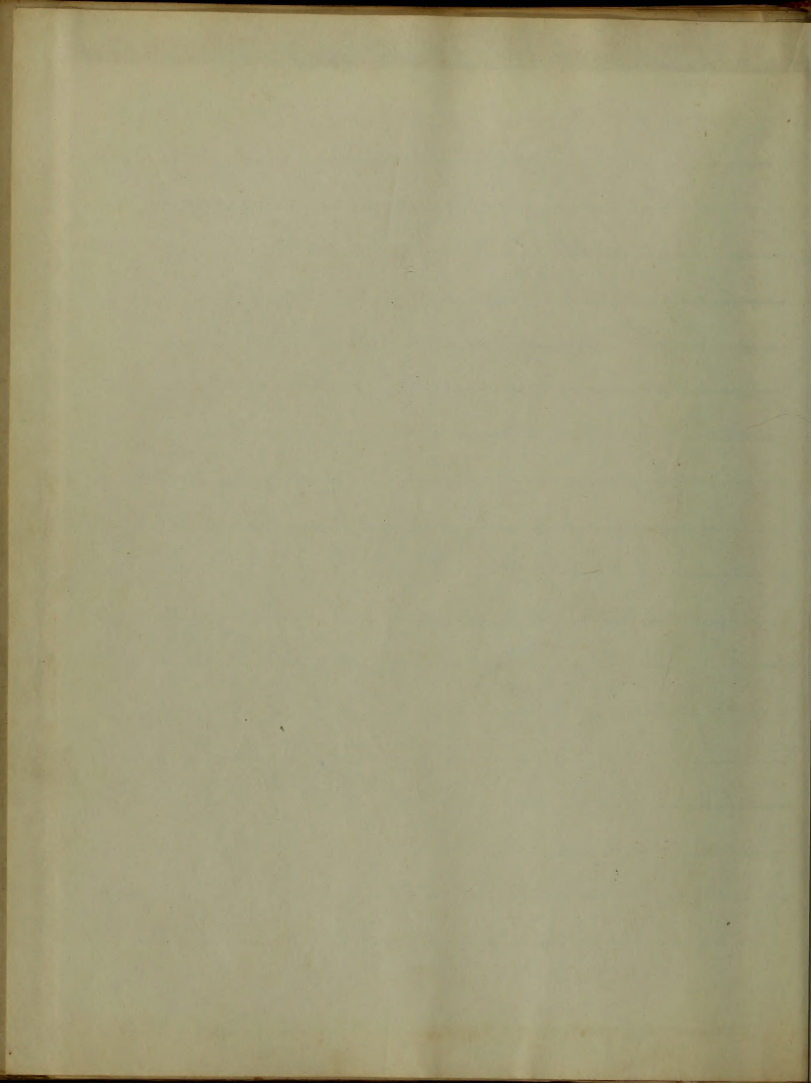
of the

of the

of the

of the

of the



An
Inaugural Dissertation

on
Stricture,

Submitted to the examination

of the

Provost, Regents, and Faculty of Physic

of the

University of Maryland,

for the degree

of

Doctor of Medicine,

by

W. B. Ward.

The
Congress
of the
United States
of America
in
Senate
and
House
of
Representatives
January 18th 1862

I have chosen for the subject of my Thesis, Stricture of the male Urethra. To the surgeon, no malady to which man is liable can be of greater importance. It is a disease with which he should be careful to be intimately acquainted, both as regards its correct diagnosis and its most prompt and approved treatment.

A case may arise, and such cases often do arise in the experience of practical surgeons, which shall demand immediate relief. The agony of the sufferer extreme, the danger, justly apprehended, immediate. The proper remedy must be at once adopted and plied with a skillful hand. And in order to the choice of the right remedy and the skillful and successful application of it the surgeon, in whom the afflicted one reposes confidence, must be thoroughly acquainted with the mode

I have been for the last
of my time, thinking of the great number
to the number, as being a great number
with the view of great numbers. There is
thereas with which it is to be compared
to directly opposite, but in regard to
great numbers and the great number of
opposite nature.

I can say more, and will say
after to see in the opinion of people
more, and will say more, and will say
the way of the office, and the way
with a different view, and will say
view of the office, and will say
and successful application of the office
in view of the office, and will say
must be thought of as a great number

of distinguishing the disease from all others with which it may be confounded. The consumption of an hour, for the purpose of consultation with a medical brother, or the examination of his books, might subject the Surgeon to the accusation of having been the cause of the death of a fellow being. In addition to this, and what, sometimes, it may be, gives him greatest concern, his reputation would take the wings of the morning and leave him with naught save his title.

I may have occasion, as I proceed in the discussion of my subject, to describe the kind of case which I have said so often arises, requiring at the hands of the Surgeon forthwith action. To my mind, the first question proper to be put and answered in the consideration of any morbid condition, or structural alteration, is, in what does it consist? what is its essence?

- Stricture proper consists in the partial or complete obstruction of the urethra - that obstruction having its origin in the urethra, and independent of the

of regarding the cause of the
which it may be supposed to
of the law. In the paper of
a general habit, or the
with respect to the
of being that the cause of the
follow being, the relation to
condition it may be
because the reputation
of the remaining
see in the

first in the
the kind of
some
particular
the paper
I may
in an
the paper
the paper
the paper

agency of any foreign substance. I will next mention the division which authors make of stricture, viz. that which is permanent, and that which is spasmodic. And this division seems to be not only well founded, but necessary, materially influencing, as it does, the treatment.

There are many important lessons in the pathology of diseases of which we would to this day have been ignorant had morbid anatomy been neglected. But, to the praise of our profession, that important branch of it, of late, especially, has been cultivated with a perseverance and energy commensurate with the great good we have already derived, and may still expect to derive, from it. It is only, however, from observation of what happens in the living body that we are enabled to make the above distinction — for here, morbid anatomy would afford us but an imperfect lesson.

Suppose a man to have suffered at times from retention of urine, the result of stricture purely spasmodic, what would we find upon a post-mortem examination to account for what we had observed

[The text on this page is extremely faint and illegible, appearing as a series of ghostly lines.]

during life?—Nothing whatever. How, then, do we come to a knowledge of the fact, that we have a stricture of the urethra, and that it is purely spasmodic?—

When we find a patient at one time evacuating his bladder with natural facility, the stream being as large and free as it ever was—while, at another, he cannot rid it of its contents at all, or, if he can, with the greatest difficulty, and this change occurring frequently. When, by the proper tests, we discover, too, that the obstruction is in the urethra itself, and in the anterior part of the membranous portion, and that it is independent of any foreign substance blocking up the canal. And when, with all this is combined a knowledge of the truth that ~~the~~ surrounding the membranous portion of the urethra are muscles, and that, like muscles every where else, they are endowed with the faculty of contractility, to what conclusion are we brought?—Surely, that it is all the result of spasm in these little muscles to which we have alluded. We know that stricture

Faint, illegible handwriting covering the entire page, possibly bleed-through from the reverse side. The text is mirrored and difficult to decipher.

, purely spasmodic, is rare, being combined, usually, with some degree of thickening of the mucous membrane lining the canal, and, of course, diminishing its diameter. Here an autopsy would afford information relative to the permanency of the partial obstruction, but none, except negatively, as to the reason of those occasional sudden and complete obstructions, which cannot be otherwise than spasmodic. —

First, then, the causes and symptoms of spasmodic stricture of the urethra. We have alluded to the fact that this variety of the disease has its seat invariably in the membranous portion of the urethra, for the reason that here it is surrounded by a sort of spinate muscle, which is, in truth, the real seat of the spasm. In the anterior part of the canal there are no muscular fibres in contact with it, and hence we never have in this region obstruction of the kind of which we are now speaking. —

As might be supposed, repeated attacks

Faint, illegible text, possibly bleed-through from the reverse side of the page.

of spasmodic contraction, attended with violent efforts and straining to evacuate the contents of the bladder, often lay the foundation of a permanent thickening of the mucous membrane. And, on the other hand, we know that what was from the first permanent stricture of the membranous portion of the urethra is always more or less liable to be affected with spasm. Hence the truth of the remark before made, that a purely spasmodic stricture is of rare occurrence — and so, also, is purely permanent stricture having its seat in the membranous part of the canal. —

Both varieties of this disease are more frequently met with in the middle period of life than in infancy or old age, though neither the young child nor the old man is altogether exempt from it. The reason of its greater frequency after puberty, and between that period of life and old age will appear, we think, from a consideration of the nature of the causes which give rise to it —

[The text on this page is extremely faint and illegible, appearing as ghosting or bleed-through from the reverse side of the paper. It consists of approximately 15 lines of cursive handwriting.]

As to the causes of spasmodic stricture -

In the first place we learn, from what has been already said, that it is apt to affect persons who are labouring under some degree of permanent stricture. Frequent attacks of gonorrhoea may, also, give rise to it. Probably, however, the surgeon would be more correct did he ascribe it, in many instances, to the use of irritating injections administered on account of that disease, rather than to the operation of the disease itself.

Alterations in the quality of the urine, so as to make it a source of irritation to the parts with which it comes in contact, may, no doubt, lay the foundation of this disease. So we find that, when the urine is habitually overloaded with the lithate of ammonia, or deposits the lithic acid sand - when it is alkaline, and crystals of triple phosphate of ammonia and magnesia are precipitated, if the patient be in any way predisposed, he is apt to have an attack. Exposure to cold or wet, indulgence in punch, champagne or other acid liquors may produce it. Hence, says

[The text on this page is extremely faint and illegible, appearing as a series of light-colored lines across the page.]

Smith, An attack of spasmodic stricture generally comes on about four hours after dinner. — Such are some of the causes. We will now endeavour to describe the symptoms, — in doing which we shall be obliged to recapitulate recapitulate part of what we have already said —

In the first place, the patient finds himself suddenly unable to evacuate his bladder. His straining efforts to do so may be even so great — every muscle that can lend the slightest assistance may be whipped into action — and all his energies, and all his powers concentrated and plied to effect a triumph over the apparently capricious resolve of that little bundle of muscular fibres which we have called the sphincter of the Urethra, but all to no purpose. The case begins to assume a more serious aspect. In the region of the bladder great uneasiness is felt. The whole of the abdominal muscles instinctively endeavour to relieve the organ of its contents. The efforts to do so are no longer voluntary, but compulsive and constant. The bladder becomes distended, and can

The first of these is the
second is the
third is the
fourth is the
fifth is the
sixth is the
seventh is the
eighth is the
ninth is the
tenth is the
eleventh is the
twelfth is the
thirteenth is the
fourteenth is the
fifteenth is the
sixteenth is the
seventeenth is the
eighteenth is the
nineteenth is the
twentieth is the
twenty-first is the
twenty-second is the
twenty-third is the
twenty-fourth is the
twenty-fifth is the
twenty-sixth is the
twenty-seventh is the
twenty-eighth is the
twenty-ninth is the
thirtieth is the
thirtieth is the

be felt greatly enlarged and hard above the pubes, like a tense round tumour. The heart sympathizes with the local irritation; the pulse becomes hard and frequent; the skin hot; and the tongue covered with a white fur. The kidneys continue secreting, the bladder becomes more and more distended, and, if relief be not afforded, is presently ruptured. In the event of this, the urine escapes into the cellular membrane and into the cavity of the peritoneum producing, in all likelihood, speedy death. Or the urethra itself may be ruptured behind the stricture, giving rise to an extravasation of urine in the perineum and scrotum, which, to say the least, is extremely dangerous. Here, then, is one of those cases, which we partially promised to describe, and which, too, would be of not infrequent occurrence were it not for the assistance rendered by the skillful surgeon.

Twice have we said that a stricture purely permanent or purely spasmodic is comparatively rare. In the more common series of cases, therefore, the obstruction at first is only partial — the

The following is a list of the names of the
persons who have been admitted to the
membership of the Society since the
last meeting. The names are given in
the order in which they were admitted.
The names of the persons who have
been admitted to the membership of
the Society since the last meeting are
given in the order in which they were
admitted. The names of the persons
who have been admitted to the
membership of the Society since the
last meeting are given in the order
in which they were admitted.

urine being voided in a diminished stream and the diminution gradually increasing. By and by there is a complete retention, which subsides spontaneously or is relieved by art. After an interval of weeks, or months, or even years there may be another, and so on - the intervals growing shorter and shorter. All this time the stream of urine may be growing smaller, until reduced to a mere thread, or dribble indicating that the bladder is loaded, which may be confirmed by an examination of the hypogastric region of the abdomen. —

We come now to speak of the variety denominated permanent stricture. The causes of this are much the same as those that give rise to the spasmodic form. Repeated gonorrhoea, producing inflammation of the lining membrane, thickening of the same, and, of course, narrowing of the calibre of the canal, is by far the most frequent. Sometimes it is situated in the membranous portion of the urethra where it is frequently induced by repeated attacks of spasmodic stricture - or, being itself primary,

The first part of the paper is devoted to a
general consideration of the subject, and
to a statement of the objects of the
Institution. It is then divided into
two parts, the first of which is
devoted to a description of the
Institution, and the second to a
statement of the means proposed
for its support. The paper is
concluded with a few remarks
on the importance of the
subject, and a list of the
names of the persons who
have been instrumental in
the formation of the
Institution.

may in its turn excite spasm. Very often, however, its seat is in the anterior part, or at the orifice, and is easily ascertained. This variety of the disease, no matter whereabouts found in the canal, or what the cause may be, is essentially chronic inflammation of the mucous membrane, and thickening thereof, as its effect. Such stricture is generally rigid and unyielding. The symptoms are as follow, The stricture is slow in its progress; the diminution in the stream of urine, in some instances, is not noticed until the patient is absolutely forced to strain in voiding it. Before, however, this occurs the patient may perceive that he wants to make water oftener than usual, and that he has a more or less uneasy sensation after doing so; he also notices that a few drops of the urine hang in the urethra and dribble from it after he has buttoned up. During all this time the stream of urine not only becomes smaller, but altered in its shape - twisted, forked, scattered, flattened. At last it comes to be a mere thread, requiring for its

The first part of the book is devoted to a general
history of the world, from the beginning of
time to the present day. The author has
written in a clear and concise style, and
has given a full and accurate account of
the events of the world. The second part
of the book is devoted to a history of
the United States, from the first
settlements to the present day. The
author has written in a clear and
concise style, and has given a full
and accurate account of the events
of the United States. The third part
of the book is devoted to a history
of the world, from the beginning of
time to the present day. The author
has written in a clear and concise
style, and has given a full and
accurate account of the events of
the world.

evacuation great effort and straining. Slight discharge is not an infrequent concomitant. —

Such are the symptoms that will inform you almost to a certainty that permanent stricture of the urethra exists. It may be well here to allude to some of the consequences of stricture, when neglected or mistreated. We have before spoken of rupture of the bladder and remarked that it is invariably fatal. The same accident to the urethra, behind the stricture, has also been noticed, and this, if not promptly met, will either result fatally, or else produce an abscess in the perineum — which abscess will terminate in a fistula communicating with the urethra and thus forming a new outlet for the urine. This will afford an opportunity, which the surgeon should avail himself for the dilatation of the stricture, afterwards adopting means to obliterate the false passage.

The relation which exists between the urethra and prostate gland and bladder is intimate, and, therefore, in long-standing cases of stricture, we

I have the honor to acknowledge the receipt of your letter of the 14th inst. and in reply to inform you that the same has been forwarded to the proper authorities for their consideration. I am, Sir, very respectfully,
Your obedient servant,
[Signature]

may expect these organs to suffer, which they do. Frequently, certain changes take place in many of the organs of the human body, at different periods of life, each organ, as a general thing, being subject to its own peculiar alterations. These are some which occur in the earlier periods & which seem to be indispensable to the enjoyment of life, as without them man would not only be unhappy, but soon cease to be at all. As old age advances we have others that tell their own tale and cause their own suffering. I need not specify, for this, if read at all, will be read by those who full well know what they are. In old age a change takes place in one organ, the prostate gland, which it seems necessary to allude to. It becomes enlarged and may give rise to very nearly the same symptoms and produce some of the same results as stricture itself, with which it is many times confounded. The means of distinguishing between them may be mentioned hereafter. The two often exist together, in which case enlargement of the prostate is frequently

[The text on this page is extremely faint and illegible, appearing as a series of light-colored lines across the page.]

the result of, or facilitated by, the presence of stricture.

The disease of which ~~this~~ ^{this} thesis professes to treat may cause other morbid conditions of this gland, of which we need hardly speak. In many cases of stricture of the urethra the bladder is rendered irritable, in consequence of which the urine is not allowed to remain long enough to dilute it - it, therefore, becomes small and contracted.

Instead of this the bladder may be rendered more capacious than natural, as another result of strictured urethra; this is known by incontinence of urine. Large accumulations, of course, give rise to this condition, which more frequently exists in those cases where stricture is combined with ^{enlargement of} the prostate. - Where this disease has long been neglected, sub-acute or chronic inflammation of the mucous membrane of the bladder often results. This inflammation extends along the course of the ureters to the membrane lining the infundibula and pelvis

of the kidneys, and subsequently disease and disorganization of the parenchyma of these organs themselves take place. In these cases the general health soon begins to suffer from constant irritation and want of sleep. The patient becomes weak; loses his appetite and his flesh; is subject to sudden chills and flushes. Uneasy sensations in the loins are complained of, and the urine deposits a great abundance of thick mucus.

If the flow of urine from the bladder be impeded, its passage into it is, of course, interfered with. The effect of this is dilatation of the ureters and of the basins and tubles in the kidneys, the glandular structure of which becomes absorbed, and the whole ureters, pelvis, infundibula, and kidneys become converted into one membranous bag or subsidiary receptacle for the urine. The urine, consequently, soon ceases to be secreted, its urea remaining in the blood and acting as a poison upon the brain produces coma, and the unfortunate patient is only relieved of his sufferings by death. Such are some of the

consequences of stricture. We now propose to speak, very briefly, indeed, of the diagnosis.

Our patient has symptoms, and these have been laid down, which lead us to suspect stricture in some part of the urethra. We may be mistaken. The prostate may be enlarged, a calculus formed in the kidney or bladder may be lodged in the urethra, other conditions may give rise to some of the same symptoms.

How, then, are we to decide? - First, by a correct history of the case, a survey of the diseases to which our patient has been subject, manner of living, time of life &c. Secondly, by an examination per rectum which will detect an enlargement of the prostate gland if any exist - Lastly, and above all, by means of the bougie, or some other instrument corresponding to it. —

Now we will make an effort to say something of the plans of treatment which the surgeon should adopt when called to a case of stricture. The treatment proper may be divided into that which has for its object relief to the

The first thing I observed in the morning
was a soft, warm light, as if
the sun were just rising behind a
curtain of mist. The air was
still, and the water in the
ponds was calm, reflecting the
pale yellow light. I had
heard that the weather would
be perfect for the day, and
indeed, it was. The heat was
just what I needed. I had
heard that the weather would
be perfect for the day, and
indeed, it was. The heat was
just what I needed.

patient when circumstances demand promptness, and that, the object of which is, to afford permanent cure. We will give our attention, first, to the spasmodic variety. And here, many times, the surgeon is not called in until, in consequence of the stricture, the bladder is painfully distended, and the patient in a state of immediate danger. This, then, would demand his first attention. No time, now, to pause, to deliberate, or to consult friends or books. The greatest possible anxiety & alarm call for promptitude of action. The bladder must be relieved of its contents, and that at once. What an emergency to test the knowledge and skill of the surgeon! - and if ignorant, methinks, to sink down to the very centre of the earth would be to him a grateful release. -

It must be borne in mind that the stricture here is at the membranous portion of the urethra, for treatment now concerns the spasmodic variety. Some have advised that the patient should first be bled and

Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is arranged in approximately 20 horizontal lines across the page.

them put into a warm bath - and these means used to such an extent and in such a manner as to increase their antispasmodic effect. Opium, too, has been recommended with the same intent, and, no doubt, these remedies properly employed may sometimes have the effect of overcoming the spasm, and thereby affording relief to the sufferer. Bleeding from the arm is, however, according to Brodie, rarely required in stricture of the urethra; but in some instances, says he, even when other means have failed, taking blood from the perinaeum by cupping gives immediate relief. Purgatives have, also, been recommended; but many cases will not admit of the delay necessary to the operation of even the speediest of this class of remedies. In such cases, therefore, they will not answer - it would be dangerous thus to trifle away precious moments.

Men of greatest experience, after all, go in for deferring all these remedies until the trial of the catheter has proved un-

successful, and then, and then ~~at~~ only to employ them. How often is it, that in examining the labours of some men, we appear to become, as it were, intimately acquainted with them, and to form for them the very strongest attachment. We might mention the labours of Latham, Watson, Boock as, in our opinion, of a character to make just such impressions. But the works of no man more than Brodie are calculated to have this effect. They excite, in the mind of him who peruses them, the profoundest veneration for their author, and the utmost reverence upon every word he utters. —

This order of treatment is, first, the catheter-
this failing, then the other remedies already men-
tioned. And should even these fail be unsuccess-
ful, the only alternative left, is puncturation,
either of the bladder, or of the rectum behind
the stricture. These are three situations in
which, anatomists tell us, we may at times
puncture the bladder without danger of wounding
the peritonaeum. The circumstances of the

Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is arranged in approximately 20 horizontal lines across the page.

particular case must determine the choice of situation. Through the urethra is thought, in most instances, to be the safest operation. —

Now, having relieved the patient of his first attack of spasmodic stricture, how is his ~~total~~ liability to a return of it to be destroyed? The constitution of the patient, his general appearance as to plethora or anaemia must be surveyed; his habits of life; diet; the condition of his stomach, kidneys; quality of urine; state of bladder &c. All these things and parts must be carefully and knowingly scrutinized and rectified. We have said as much under this head as we have time, and must now proceed to speak of stricture when permanent — this accomplished, and we have done.

Here, too, the surgeon may not be called in until the stricture has become nearly or quite complete. By the careful employment of the bougie the stricture must, if possible, be dilated. This is

Faint, mirrored handwriting, likely bleed-through from the reverse side of the page. The text is illegible due to its orientation and fading.

generally an easy thing when it is situated any where near the orifice of the urethra or in front of the bulb; but not so, if in the membranous portion, for obvious reasons. It is sometimes necessary to make trial after trial, and then be disappointed. After the trial of bougies of various kinds and sizes (always remembering to be very gentle in the use of them) without success, resort must be had to the catheter — first, to the gum elastic armed with the stilet, and then, if this fail, to the metallic or silver instrument. Should we again fail with this, division of the stricture has been recommended. As a dernier resort, an incision into the perineum so as to expose the whole of the contracted portion of the urethra should be made, and division of the stricture with a knife. Afterwards, of course, a gum catheter must be introduced into the bladder, allowing the wound to heal over it. As to a permanent cure of this variety, there is little else to be done than, when the stricture is

once dilated, to keep it so - and this may be accomplished by the constant employment of the bougie or catheter. There is rarely a necessity to resort to any means, other than mechanical, in the treatment of truly permanent stricture. If necessary, they will always suggest themselves to the surgeon of any sagacity. -

Indicated to the Committee
of the
Faculty of Physicians of the
University of Maryland
for the
Degree of Doctor of Medicine
Richard D. D. D.

... and ...
... by the ...
... the ...
... and ...
... in the ...
... the ...
... the ...

24—

An
Inaugural Dissertation
on
Purpura Hemorrhagica
Submitted to the examination
of the
President, Regents and Faculty of Physic
of the
University of Maryland
for the
Degree of Doctor of Medicine
By
Elisha J. Cook

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

The subject of hemorrhage has engaged the attention of medical men from the days of Hippocrates down to the present, and from its importance as a disease will still be looked upon with increasing interest, by the physician and surgeon.

There are various names given to hemorrhage as occurring in the human body according to their nature and seat, and of which it is not my present design to describe. That form of hemorrhage called *purpura hemorrhagica* will form the subject of this dissertation. This disease appears to have been recognized by several of the older authors; thus Hippocrates describes a species of disease of the spleen with fetid odour of the mouth, swelling of the gums, and large bleeding ulcers of the legs which seems rather to be scurvy than *purpura*. Celsus repeats this passage almost literally and makes further mention of hemorrhages not only proceeding from all the principle orifices of the body but even through all the pores of the skin. Peverius had distinguished *purpura* from *petechiae* which are observed in malignant fevers, long

Faint, illegible handwriting covering the page, possibly bleed-through from the reverse side.

Before we had devoted ~~some~~ some lines to the description of this disease in the celebrated Muenzburg Collection,

Graff published in 1775 the first inaugural dissertation on this affection, the history of which, has since been rendered more complete by the researches of Behrens and others

In reviewing the history of this disease, we find the diseases in which blood is deposited on the surface of the skin, within its substance, or in the cellular membrane underneath it, have received different denominations, according as the extravasations are local or general. Mr. Nager, in his admirable work on diseases of the skin remarks, "I comprehend under the general name, ~~four~~ - purpura, several diseases whose common, and generic character is to manifest themselves internally by hemorrhage, and externally ~~of~~ surface of the body, by petechiae or ecchymoses independently ~~of~~ outward violence." This group may be looked upon as having two species distinct from each other in their progress, and symptoms, associated with the common hemorrhagic phenomena which characterize them; viz Purpura sine febre,

The first part of the book is devoted to a general
description of the country and its inhabitants.
The second part contains a history of the
country from the first settlement to the present
time. The third part is a description of the
country as it is at present. The fourth part
contains a description of the country as it
was in the time of the first settlement.
The fifth part is a description of the
country as it is at present. The sixth part
contains a description of the country as it
was in the time of the first settlement.
The seventh part is a description of the
country as it is at present. The eighth part
contains a description of the country as it
was in the time of the first settlement.
The ninth part is a description of the
country as it is at present. The tenth part
contains a description of the country as it
was in the time of the first settlement.

and *Purpura febrilis*; *purpura sine febre* it self. Compre-
hends three varieties: viz *purpura simplex*, *purpura*
urticans, *purpura hemorrhagica*, to which are added
several sub-varieties.

Purpura Hemorrhagica is that variety of which we shall
endeavour to treat of in this dissertation.

This is comparatively a rare disease, and perhaps on
that account, together with its threatening symptoms,
that have attracted the attention of almost every medi-
-cal practitioner who has seen the disease.

Symptoms.— This singular affection is sometimes,
and in fact, in the majority of cases, preceded
for some days by great lassitude, faintness, and
pains in the limbs, which render the patient inca-
-pable of exertion to any extent, but in some cases
the attack is sudden upon persons apparently in
good health.

After these premonitory symptoms, a peculiar efflor-
-escence of the skin called *petechiae*, often make
their appearance of a large size, and are intersper-
sed with *vesicles* and *ecchymoses*, or livid stripes
and patches, resembling the marks left by whip or sic

-lent bruises. M. Kayer remarks that in the majority of Cases, the ecchymoses appear before the petechiae, the body being covered with these livid spots; they commonly make their appearance first on the legs, and at uncertain periods afterwards on the thighs, arms, and trunk of the body, the hands being more rarely spotted with them, and the face generally free.

They are (according to Bateman's description of them) of a bright red colour when they first make their appearance, but soon become purple or livid, and when about to disappear they change to a brown, or yellowish hue, so that as new eruptions arise, ~~and~~ the absorption of the old ones slowly proceeds, this variety of colour is commonly in the different ^{spots} at the same time, the spots in some cases are slightly rough, the cuticle has been raised into a sort of vesicle containing black blood; this more frequently happens in the spots which appear on the tongue, gums, palate, and inside of the cheeks, and lips, the cuticle being extremely thin, and breaks from the slightest pressure. ~~and~~ Purpura seems evidently to be hemorrhagic in its nature, the same state of habit, which gives rise to the effusions

under the cuticle, producing likewise copious discharges of blood from internal parts which are protected by more delicate structures.

Mr. Rayer remarks that the essential feature of purpura hemorrhagica, consists in the hemorrhage from the viscera or internal parts which invariably precedes, or accompanies or follows, the ecchymoses or effusions of blood into the skin, or subcutaneous cellular membrane.

The disease is ^{almost} always attended with Epistaxis intestinal hemorrhage, hematemesis, haematuria, and very often in females, with menorrhagia; it is generally accompanied ~~with~~ great debility and depression of mind, the pulse feeble, and in some cases quick, together with heat, flushing, perspiration, and other symptoms of slight febrile irritation; patients some times experienced deep seated pains felt about the precordia, ~~in~~ and in the chest, loins and abdomen, tenderness of the epigastrium on pressure, constipated state of the bowels; ^{often} being of a copious secretion of saliva; when the disease has lasted for some time the patients

Becomes pallid or of a dirty Complexion and much emaciated, some degree of oedema appears in the lower extremities, which afterwards extend to other parts.

From a review of the general symptoms, it will be perceived that the general characters of the disease, which are very striking, are modified by the local symptoms, and they vary according as the hemorrhage occurs from organs of greater or less ~~extent~~ relative importance in the economy, also the amount of blood lost, its repeated occurrence at distant intervals, or as the hemorrhage takes place from one point in succession, or from several simultaneously -

Causes of Purpura. - Bateman, Payer, and a number of other minute observers who have paid attention to this disease, and upon whom the utmost reliance may be placed, have arrived at this conclusion, that the causes of this disease are by no means clearly ascertained nor its pathology well understood; the disease sometimes occurs in individuals who are strong enjoying good health apparently,

... of the ...
... of the ...
... of the ...

... of the ...
... of the ...
... of the ...

... of the ...
... of the ...
... of the ...

... of the ...
... of the ...
... of the ...

... of the ...
... of the ...
... of the ...

breathing a pure atmosphere, with all the necessaries of life around them; it more frequently attacks persons of a debilitated Constitution, living in crowded situations, on poor diet and subject to distress of mind; it has been premised and we are inclined to think correctly, that persons of a Strumous diathesis, have a greater predisposition to take on the disease, than those of a different habit; from the fact that this diathesis is favourable not only to that form of hemorrhage under Consideration into many other forms,

Dr. Lettauer of Virginia in a paper on this disease ^{published} in the American Journal of the Medical Sciences April No 1846, remarks, that according to his experience with this disease, the majority of cases that have come under his care, were strongly tinctured with the Strumous diathesis, he further states that of sixteen cases that he had seen, four were decidedly Scrophulous, while the remaining two not absolutely free from this appearance, this gentleman is disposed from observation, to refer purpura to a constitutional origin connected with the

scrupulous susceptibility, derived originally in most cases from the parents.

Pathology.—

This part of the subject must be considered as being very obscure, though enough has been ascertained to show that whatever tends to depress the energy of the blood-making organs predisposes to this disease. This is according to the language of Dr. Watson emphatically a blood disease, the blotches formed on the surface of the body may be attributed to the paucum character of the hemorrhage, different from that which may be produced by plethora in the vessels, or openings through which the healthy exhalation pass; the change is considered as being of the nature of morbid debility or relaxation; that such may be the case is not impossible nor even less likely: this hypothesis derives additional support from the efficacy of astringents, in acting in some way greatly to the amelioration of the disease.

This relaxation tightens vessels together with the evident ~~alteration~~ alteration in the consistence of

to the ... of the ...

to the ... of the ...

to the ... of the ...

to the ... of the ...

to the ... of the ...

to the ... of the ...

to the ... of the ...

to the ... of the ...

to the ... of the ...

to the ... of the ...

to the ... of the ...

to the ... of the ...

the blood itself, which thus may easily pass through channels that under ordinary circumstances would be impossible: now it is well known that hemorrhages very often occur when the blood is more thin, pale, and serous than common, and still more remarkably when that fluid has undergone some chemical change in its character, which is certainly the case, according to recent researches on the blood, this doctrine is further established by the fact, that whatever tends to repair the blood generally effects a cure. That the state of the blood, as respects the proportion of its fibrinous constituent, being concerned in the production of purpura, seems to be admitted by the best pathologists.

Andral is of this opinion that the fibrine of the blood is reduced below its normal proportion in every case; whatever may be the explanation in regard to the pathology of purpura, there cannot be a doubt but that the state of the vessels and blood must certainly be concerned in the production of the appearances in every case.

The first part of the paper is devoted to a
discussion of the various theories of
the origin of the human mind, and
the manner in which it has been
developed. It is shown that the
mind is not a passive organ, but
an active one, and that it is
capable of receiving impressions
from the external world, and
of forming ideas from them. It
is also shown that the mind is
capable of reasoning, and that
it is able to form judgments
and conclusions. The paper
concludes with a discussion of
the various theories of the
origin of the human mind, and
the manner in which it has been
developed.

Appearances on dissection. - Petechial marks have been seen on the surface of all the internal organs, vascular tumours - cancer, sanguineous and serous effusions in the head, the lungs in some cases diseased, congested, the air passages filled with bloody effusion, the mucous membrane lining the tubes of a dark colour;

In the abdomen the mucous membrane of the stomach and bowels, vascular and spotted with petechiae, the liver tender and gorged - these spots have been seen on the right Ventricle of the heart, Spleen sometimes enlarged and softer than usual possessing a quantity of dark coloured ~~blood~~ matter of a semi-fluid consistency - The kidneys frequently contain effusions of blood under the internal membrane lining its pelvis.

The Cutaneous and sub-cutaneous ecchymoses and petechiae neither increase nor decrease at the moment of dissolution, the petechiae and ecchymoses appear not to be similarly situated, some are very superficial, others occupy the internal areolar of the dermis, the blood appears to be coagulated in the largest and blackest, and fluid in the

Smaller ones, the blood is easily removed by wash-
-ing or maceration,

Diagnosis.— P^{ur}pur^a Hemorrhagica is not likely
to be confounded with other diseases which may
present externally similar appearances in the
cutaneous and sub-cutaneous cellular tissue,

We may have in some cases of fracture of a limb
ecchymoses or petechiae, also on the extremities of the
lower limbs from standing for a long time in
consequence of mechanical obstacle to the return
of the blood, these cases may be very easily dis-
-tinguished

In typhoid fever we have very frequently
a form of purpura manifesting itself by
petechiae or rose coloured spots, these spots
are said to be obliterated by pressure of the
finger but return when it is removed, the petechiae
of purpura undergo no change of colour under
the pressure of the finger, in typhoid fever we
generally have the petechiae on the abdomen
preceded or followed by implication of ~~the~~
of the principle functions in the economy

[The text on this page is extremely faint and illegible, appearing as ghosting or bleed-through from the reverse side of the paper. It consists of approximately 20 lines of cursive handwriting.]

In yellow fever as in purpura, there is very fre-
-quently spontaneous hemorrhage, blackish bloody
stools, vomiting of dark gummy matter. Sang-
-uinous infiltrations into the muscles, the cellular
substance under the skin, but yellow fever
differs widely from purpura in its cause; and
the symptoms, of which profuse hemorrhage is
nearer one of the most alarming

Prognosis. — Purpura hemorrhagica from the se-
-verity of its symptoms viz the hemorrhage that
takes place from the mucous membranes lining the
different cavities of ~~the~~ to an alarming extent,
may be looked upon as being in the majority of
cases a very serious disease,

The prognosis will depend much upon the patient,
attacked, and the amount of hemorrhage — if the
patient has a pretty good constitution not being
troubled with the stramonius diarrhoea, the pe-
techiae few in number, and the hemorrhage
moderate in quantity with the pulse not greatly
accelerated, we may look upon the disease favor-
-ably, but when the patient is debilitated

by previous disease, and the petechiae numerous
accompanied with copious hemorrhage from the
lungs, abdomen and bladder. Continuing for some
time with the pulse greatly accelerated, we
will be compelled to regard the disease as ^a fatal
one

Treatment. - Under the obscurity which at present
envelopes the nature and seat of purpura hemorrhagica,
we feel rather under an embarrassment in entering
upon this part of the subject from the various views
entertained by authors ~~in~~

Dr's Parry, Mcintosh, Gardner, and a number of
others have from certain notions supported blood-
letting, while it has been condemned by some prac-
titioners of equal notoriety, Dr's Vallan^{cy}, Rayer
are among those who recommend a generous
diet the use of wine, peruvian bark, and acids,
Whatever may be the views of the above named
gentlemen in regard to the pathology of purpura,
it certainly does appear evident, that when the
disease attacks the plethoric, the symptoms
will very often be of an acute character

attended with some fever a strong pulse -
strong as well as excited pulse; there cannot
be a doubt in the propriety of blood letting
(as would be indicated in a case of idiopathic
hemorrhage accompanied with excited action
of the vascular system) as being calculated to
abate the vigour and force of the heart's action
and to lessen the general plethora, The repetition
of blood-letting must of course be regulated
by the circumstances of the case.

We are not to suppose that all cases of purpura
bear this sthenic character or require this
remedy; but it often happens that this
disease occurs (and we may say in the major
- ority of cases,) in patients who are debil-
- itated through exposure to the rare
- or causes, of which are evidently a distur-
- bed sanguification and nutrition perhaps
playing an important part in the produ-
- ction of purpura. in patients of this charac-
- ter blood-letting must certainly be impracticable,
In the treatment of this disease we must be gui

= ded by the previous circumstances and habit
of the patient, by the pulse and other symptoms
which accompany the purple spots

Whatever may be the discrepancy of opinion in regard
to blood letting in purpura, there is one point
however on which almost all practitioners agree,
the great advantage of keeping up a free disch-
=arge from the bowels as being peculiarly adapt-
=ed to the treatment of this disease, we should
endeavour to address our remedies to the digestive
apparatus as speedily as possible, then immedi-
=ate action being on ^{the} state of the blood and
organism from which the disease proceeds.

This may be accomplished by the administration
of small doses of Calomel in continuation, ^{with} also
Rhubarb or Jalap. this Compound will be found
to have a good effect in the majority of cases
well calculated to correct the secretions of the
digestive system in general, at the same time
procuring copious stools - early after its action
the tongue often assumes a more healthy app-
=earance, and to an arrest or abatement of the

Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is mirrored and mostly unrecognizable.

hemorrhage - The late Dr. Whitlock Nicholl and others have spoken of turpentine given in moderate doses as being highly efficacious in purpura, in conjunction with Cathartics. Great benefit may be often derived from the administration of the acids - the Elix. Vitrid in doses of ten drops three times a day will be found highly efficacious, ^{in general} astringents are highly useful in this disease, some of which have been held in high repute viz,

Phatany and many other articles, of this class, but of all the astringents the acetate of lead enjoys a higher character than any other in checking hemorrhage in general - and will be found highly useful in this disease combined with a small proportion of opium

The following case of purpura occurred in the practice of my preceptor Dr. W. Bartholow of Md the history of which will be found as follows,

March 3^d 1846. Was called to see Emeline aged eleven - a bright mulatto of good constitution, has usually enjoyed good health with the exception of a severe attack of Whooping Cough

I have the honor to acknowledge the receipt of your letter of the 11th inst. and in reply to inform you that the same has been forwarded to the proper authorities for their consideration. I am, Sir, very respectfully,
 Yours, Sir,
 J. M. [Signature]

from which she has entirely recovered, found
the skin perfectly covered with petechiae of a
dark brown and in some places almost of a black
colour, varying in size from a pins head to a
five Cent piece, the tongue, gums and fauces
as far back as can be seen are covered with
these spots and bibices, constant oozing of blood
and saliva from the mouth, tongue furred br
=ownish in the middle with considerable
redness of the tip and edges, urine grumous
and deposits upon standing large coagula of bl
=ood, the feces are dotted and streaked with
that fluid, has had several attacks of epistax
=is, complains of pain in the back and limbs,
pulse 120 Soft, skin hotter than natural and
dry, slight cough and expectoration of mucous
which is streaked with blood, respiration acce
=lerated - appetite bad; great desire for cold
drinks, has had several slight discharges from
the bowels within the last two or three days
but no free evacuations for some time.

Ordered her Calomel and Salap $\bar{a}\bar{a} \times \text{grs}$

to be followed by a dose of Castor oil if it does not operate freely -

March 4th - Medicine has procured ~~several~~ several stools of the Colour and Consistency of tan - general appearance pretty much the same as yesterday, ordered her one of the following pills every three hours R. Plumbe acet. gr. iij Pulv. Epeac Pulv. opii ana. ss St. Icteria and a dose of Castor oil after taking the last pill.

5th Cathartic has operated several times, stools not quite so dark as before but extremely offensive, Petechiae are fading - urine still grumous - Pulse 100 - slight fever - spitting of blood from the mouth still continues - ordered

the same prescription as yesterday with decoction of oak bark to be used as a gargle,

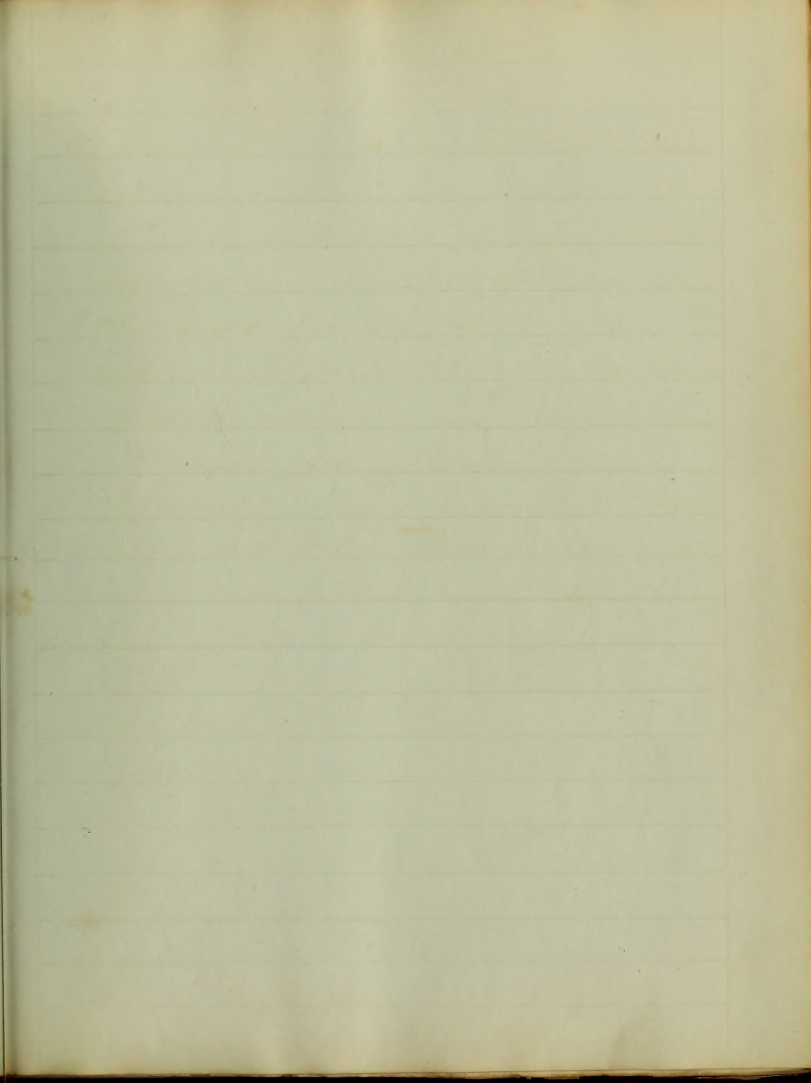
6th Petechiae are disappearing - urine less grumous - stools more natural - pulse 90 - temperature of the skin natural - free from pain - has some appetite - but little thirst - secretion of Saliva ^{more} natural and free from blood Ordered 10 drops Elixir Vitriol three times a

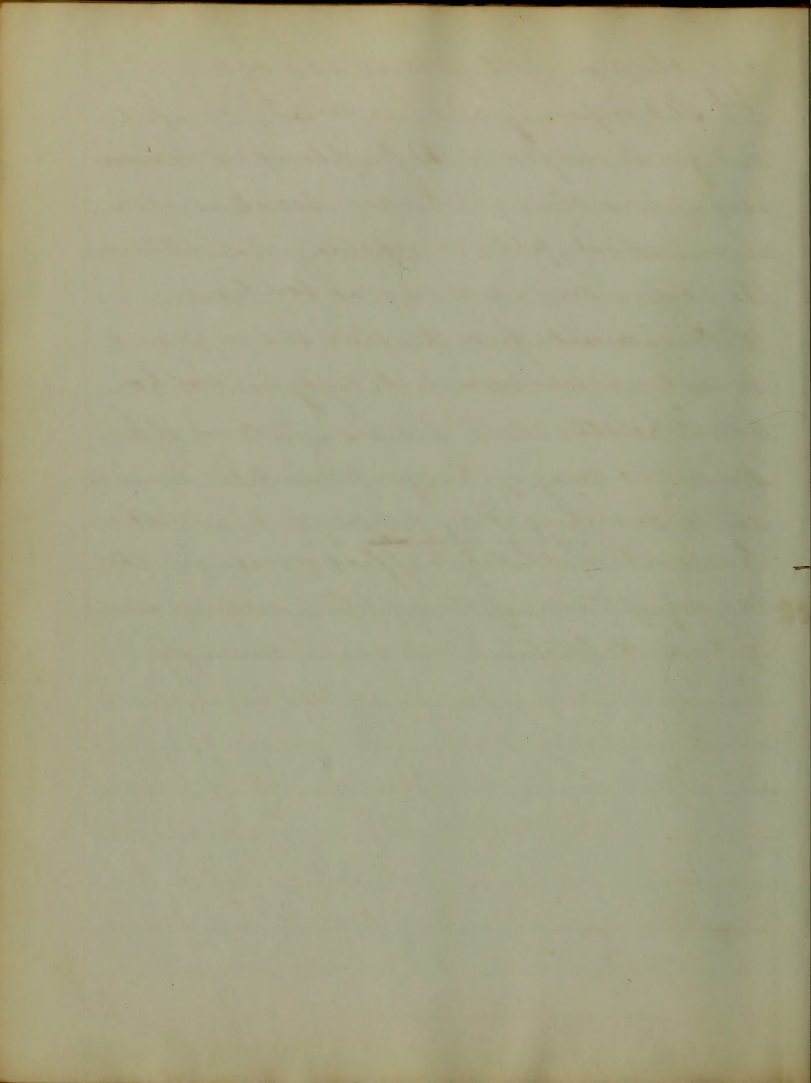
day - chicken broth for nourishment

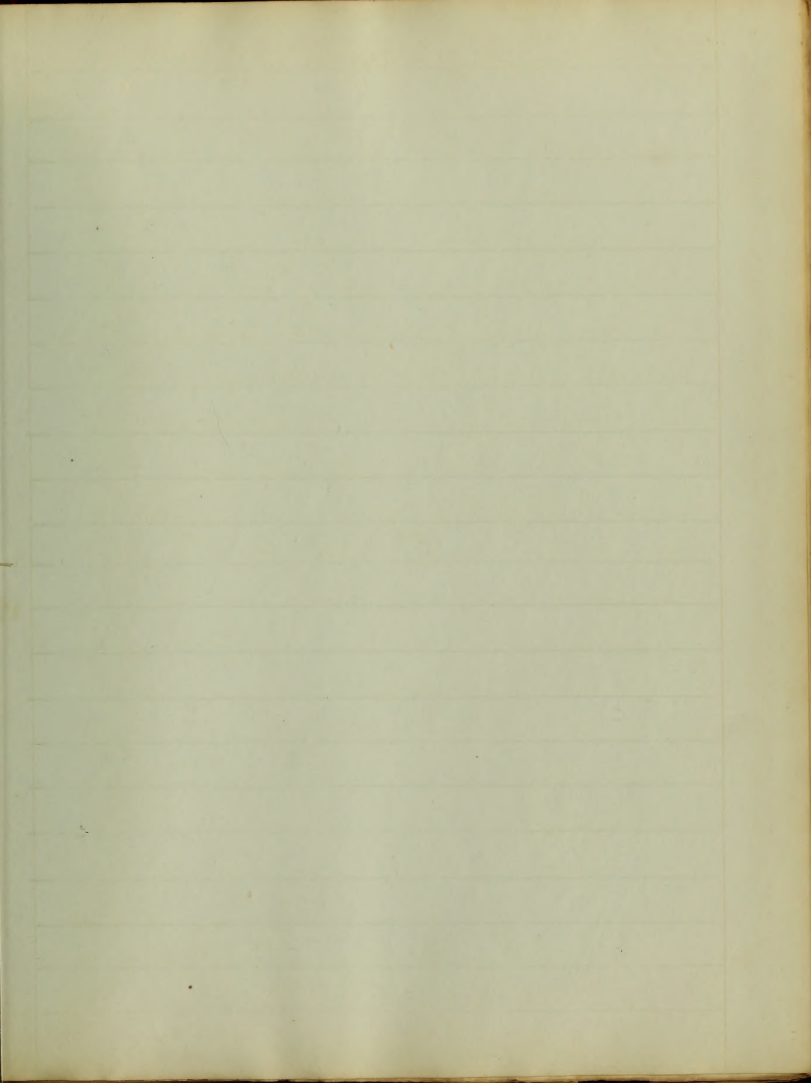
8th Still improving, examined the body careful
and found but few of the purple spots remain-
ing - urine clear and limpid. secretion of sa-
-liva natural - pulse & appetite good - Continue
the acid. ordered Cathartic at bed time,

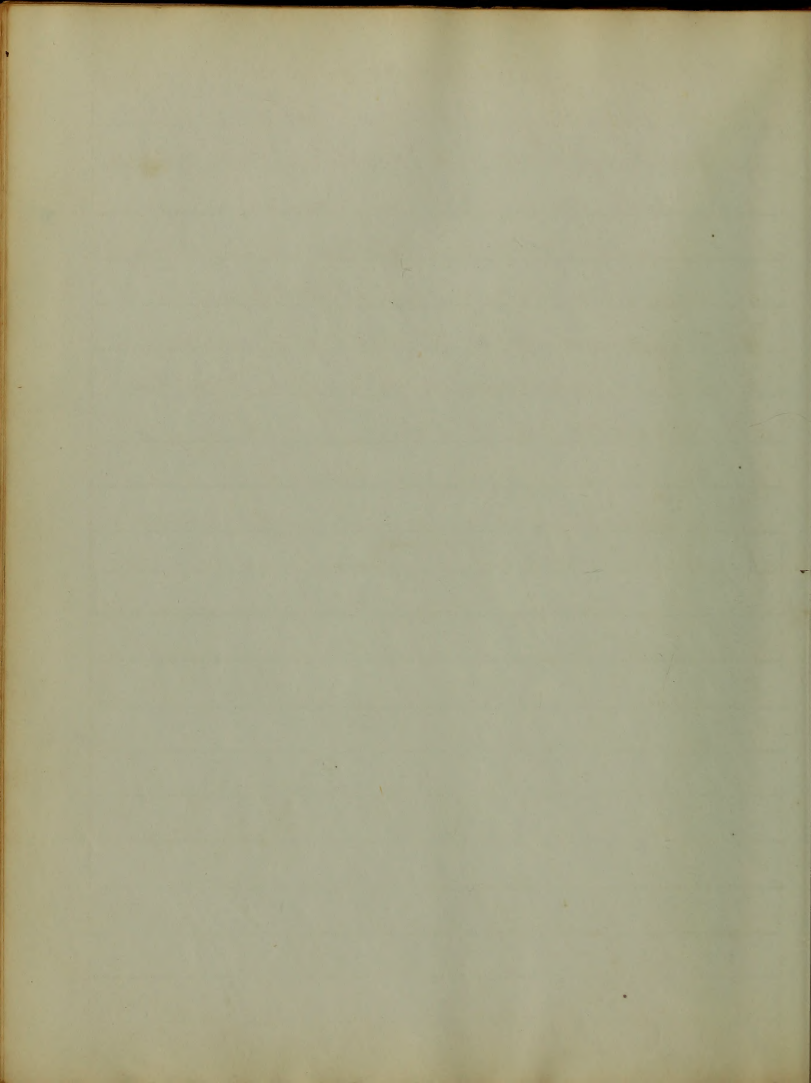
10th Convalescent - from this time she improves
rapidly and was soon in the enjoyment of her
usual health, this is but a single case of pur-
-pura, with many of the symptoms well marked,
and in describing it my design is to give the
treatment ^(in my opinion) ~~most likely~~ to effect a cure in the
majority of cases, if the symptoms are more severe
of course the treatment will vary accordingly

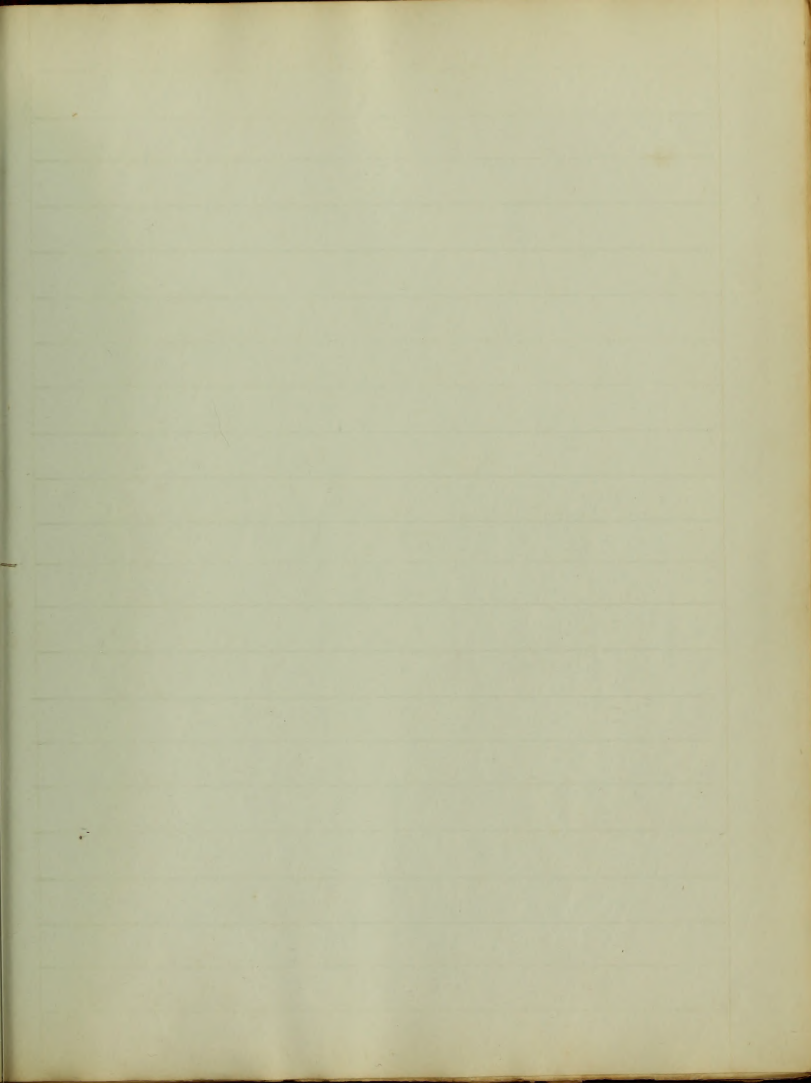
1870
The above is a list of the names of the
persons who were present at the
meeting of the Board of Directors
of the Bank of the City of New York
held on the 1st day of January 1870
at the office of the Bank, No. 10
Wall Street, New York.

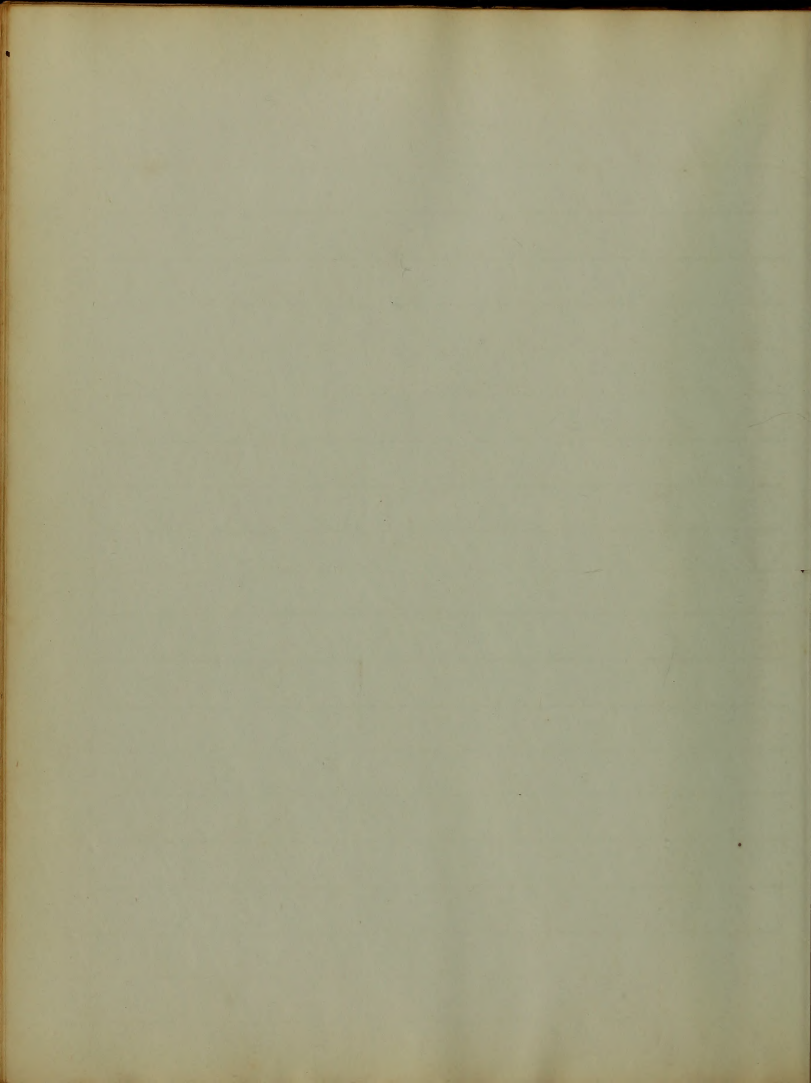


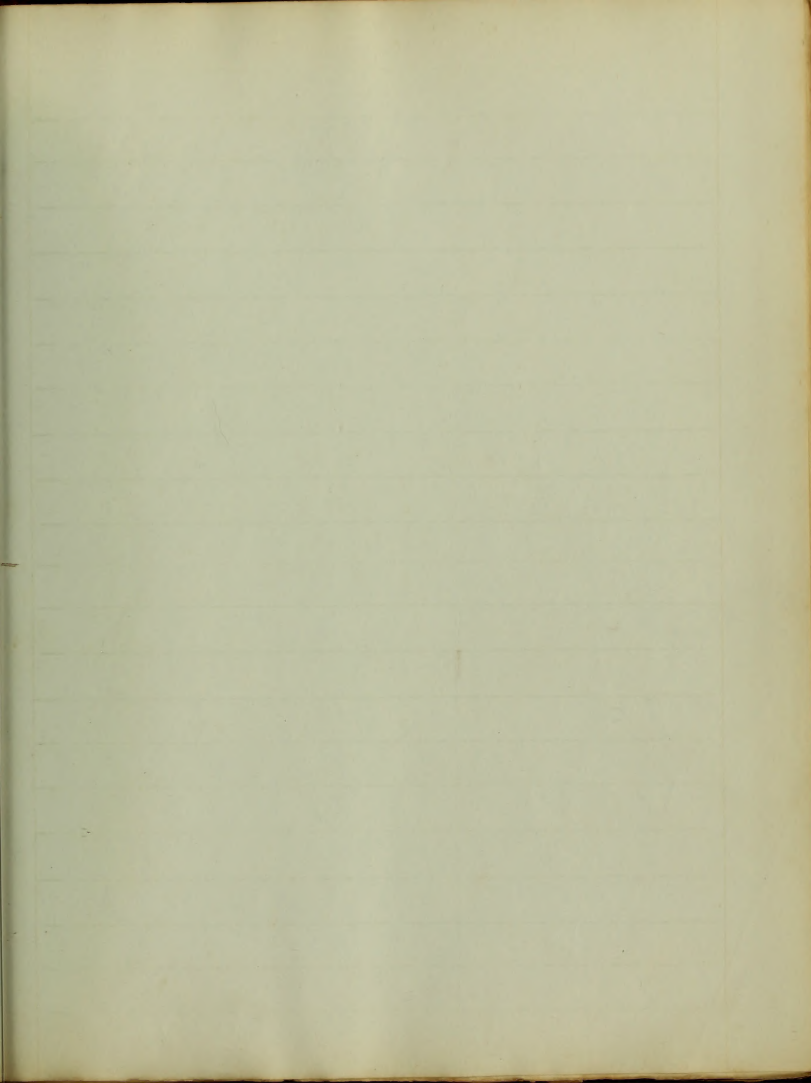


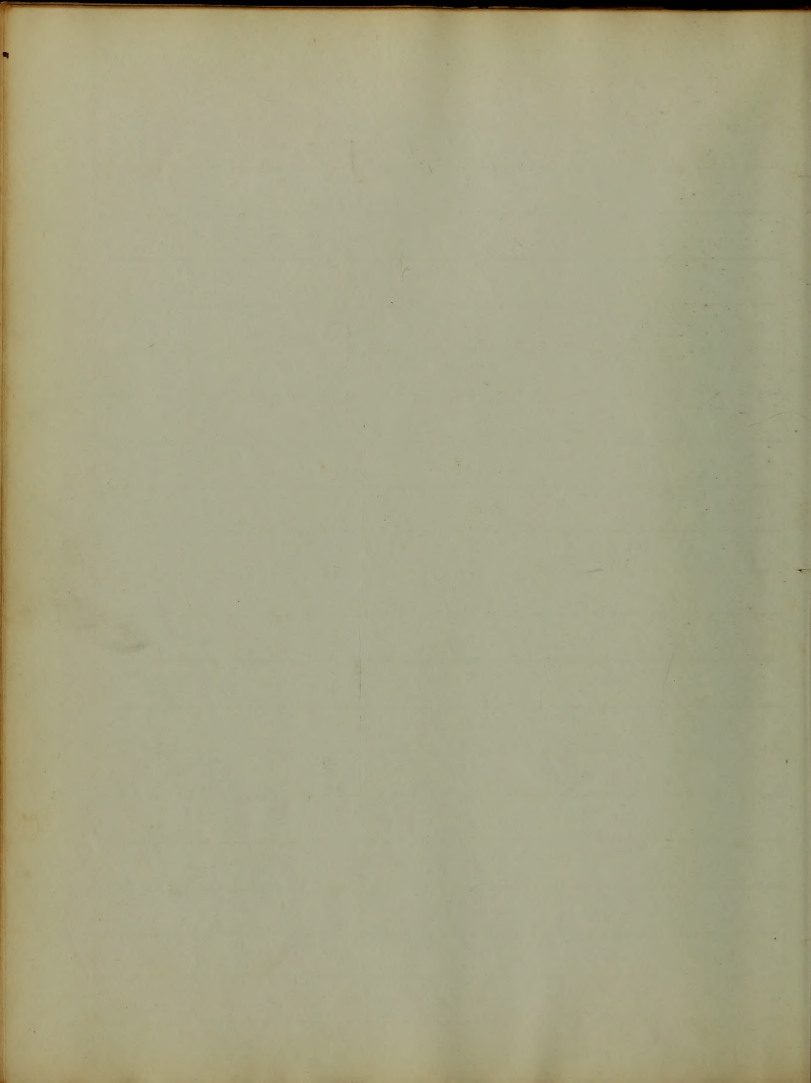


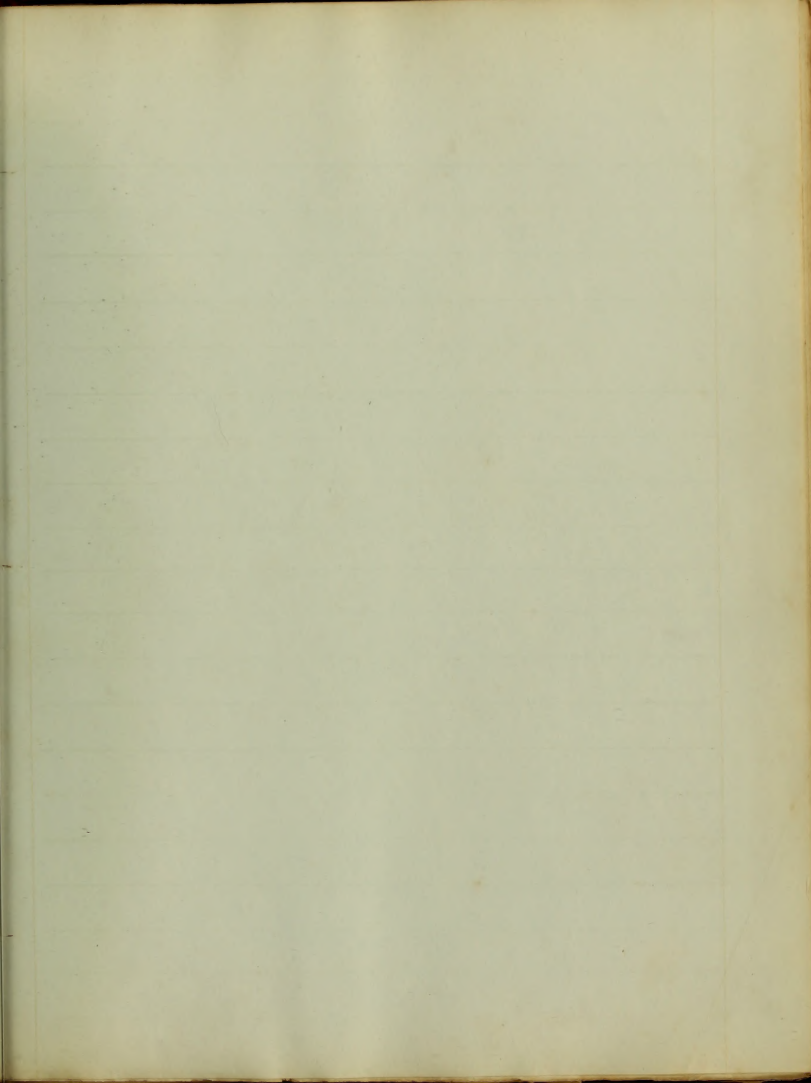


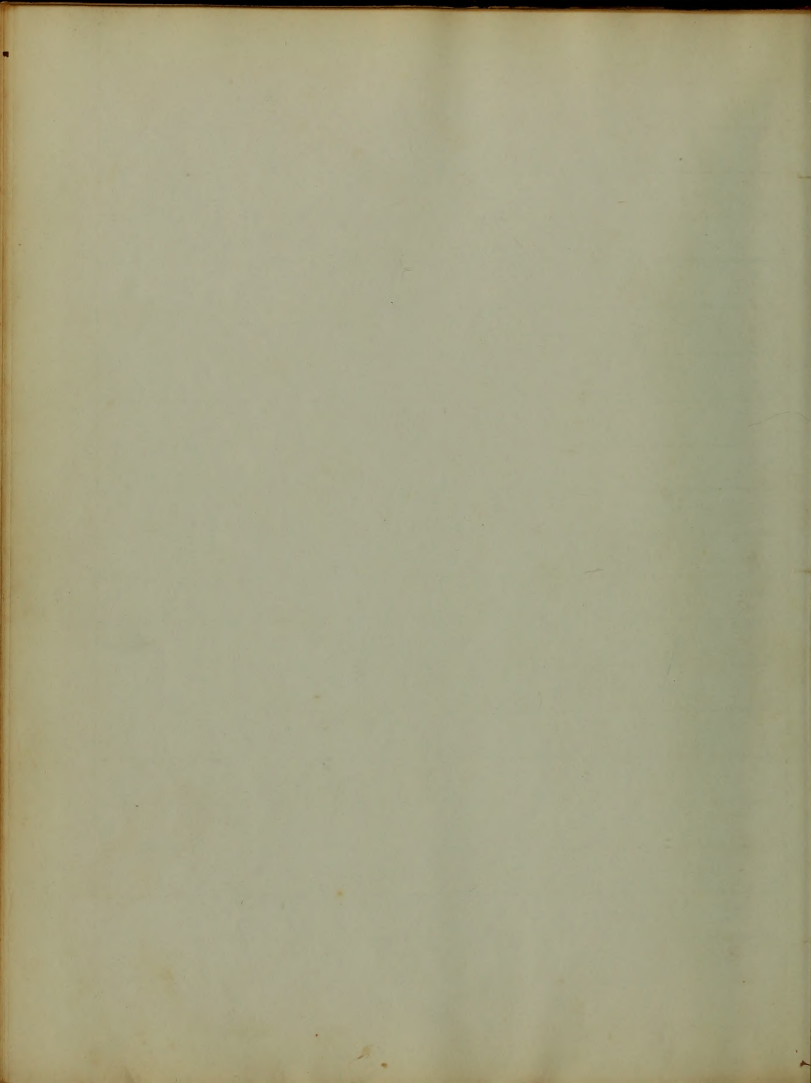


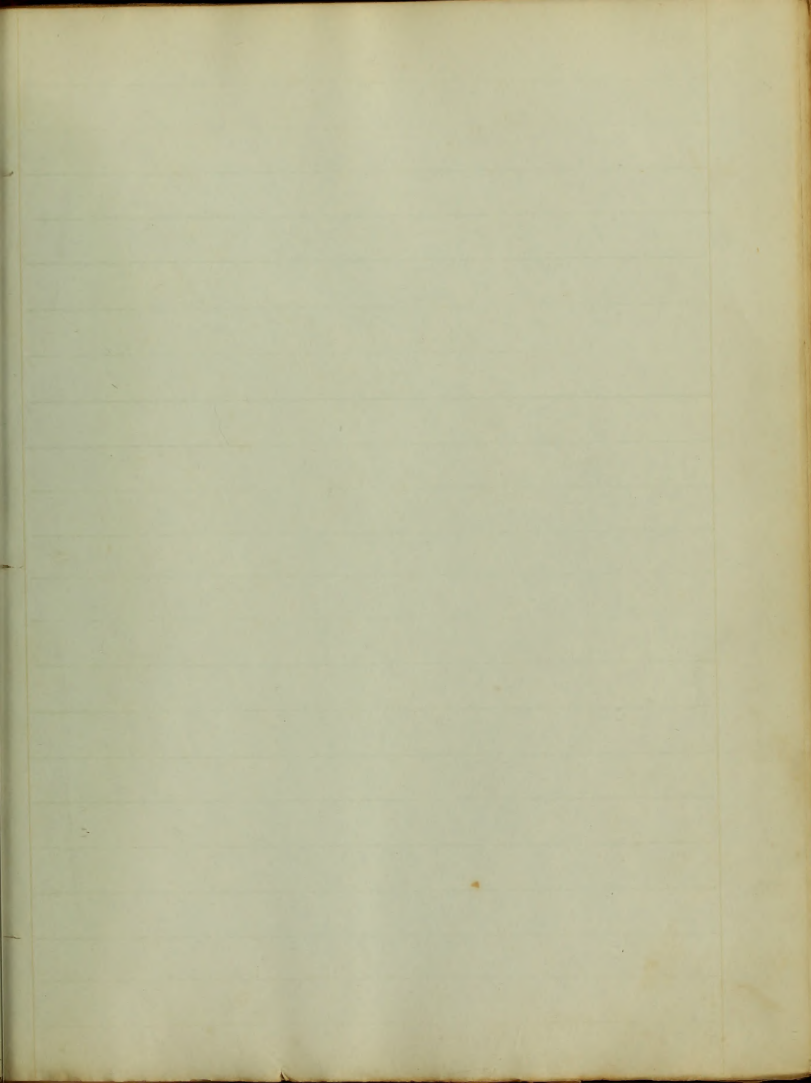


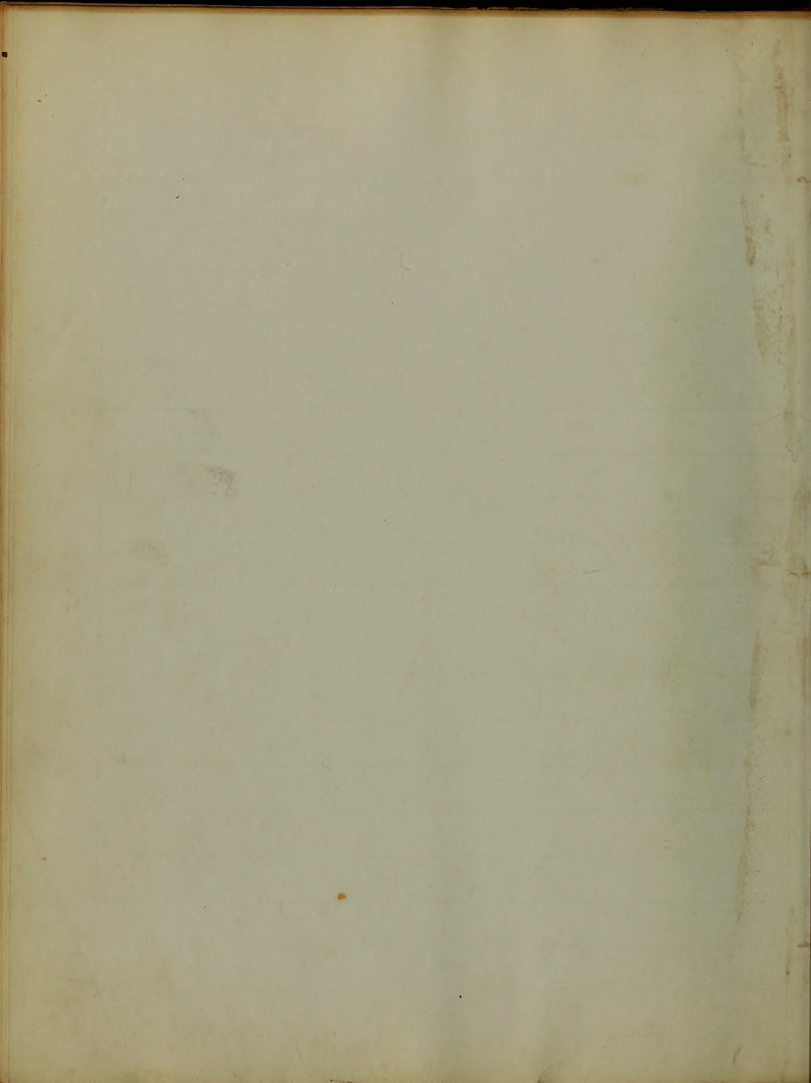


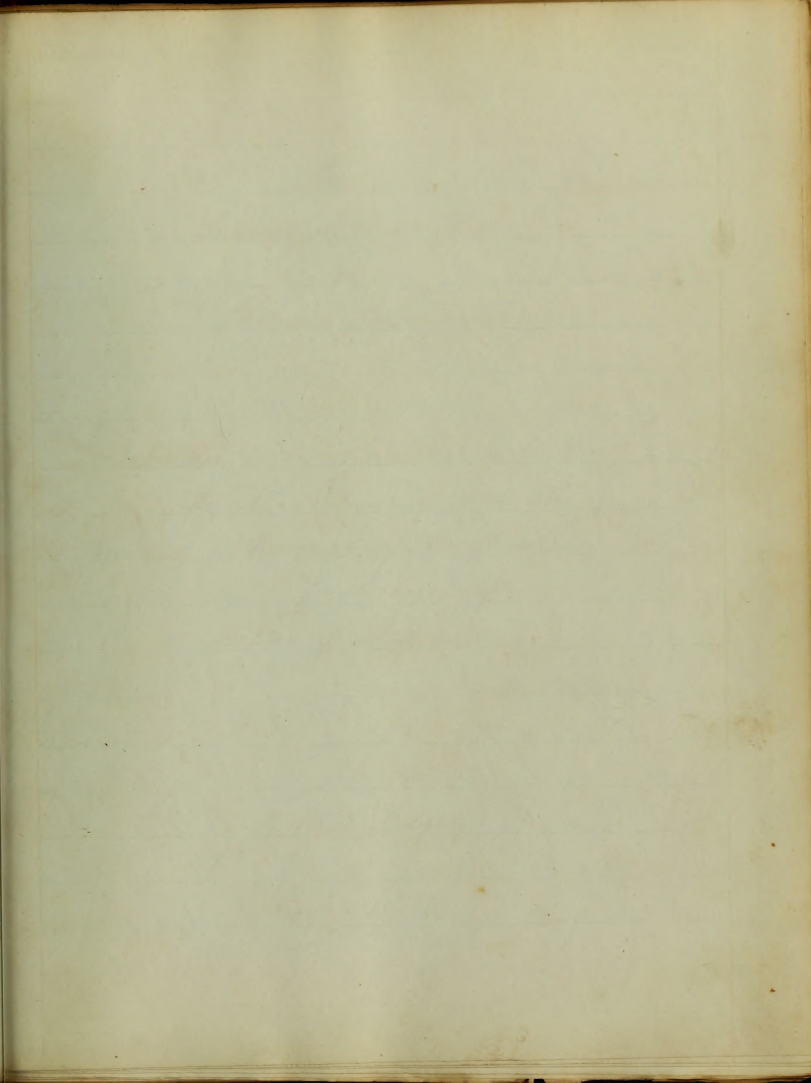


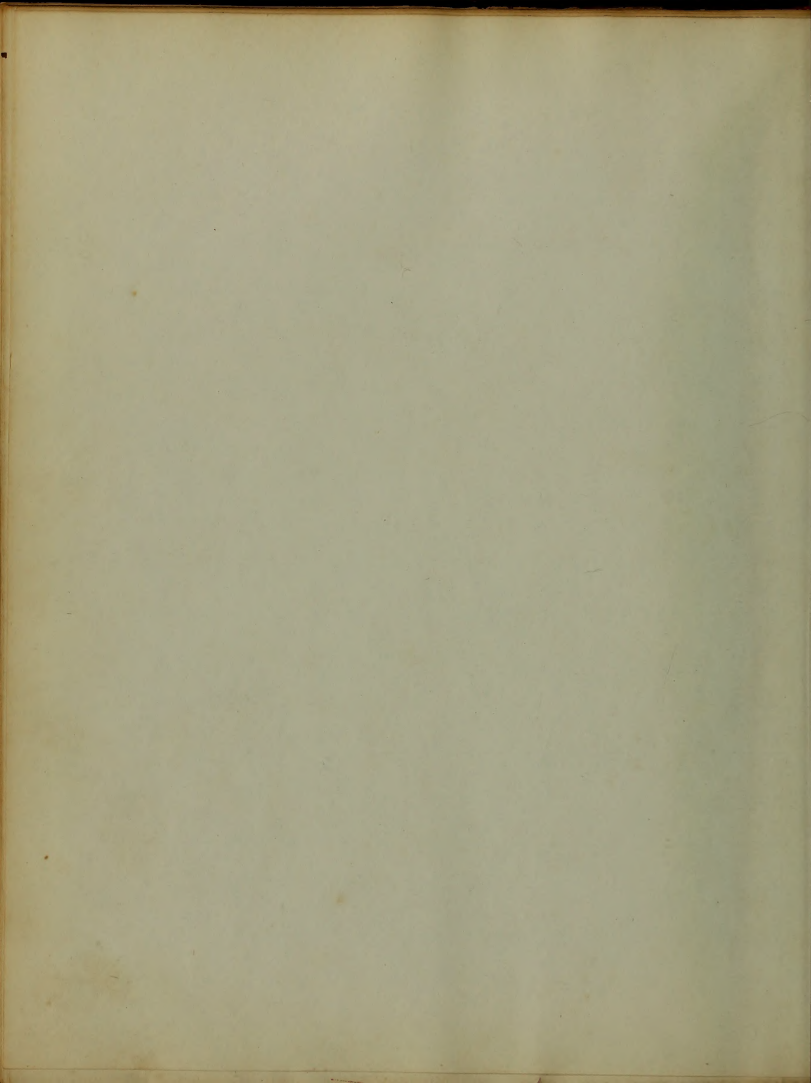








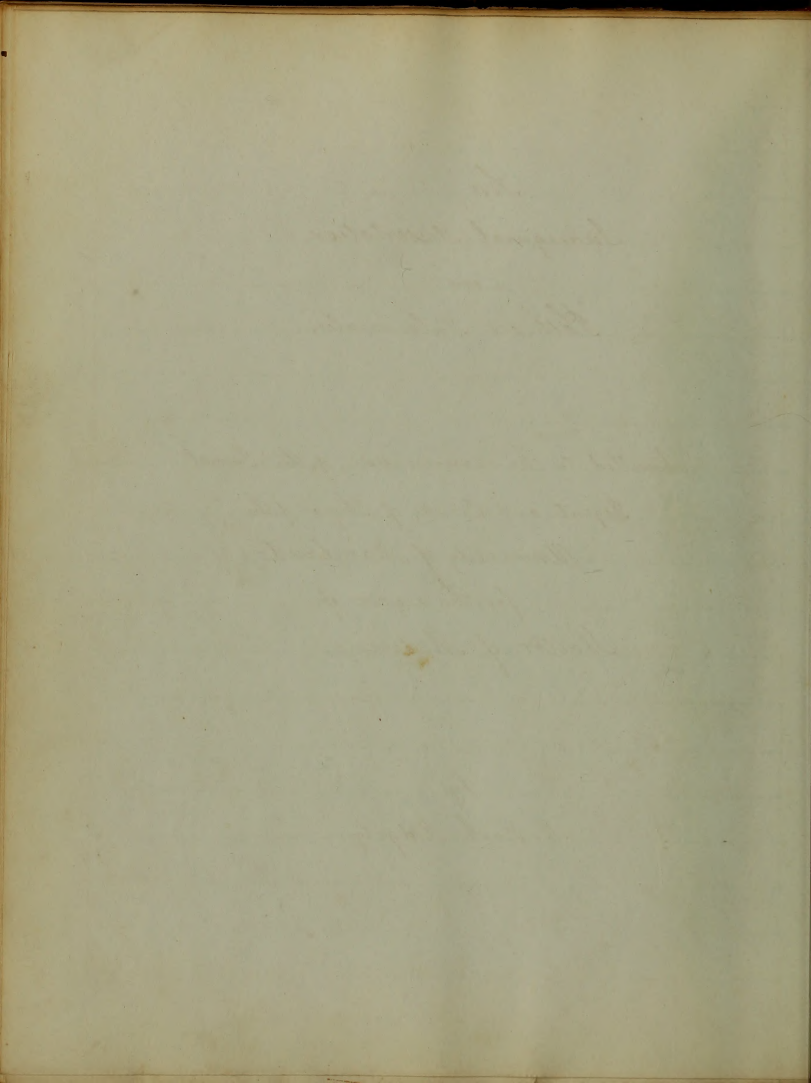




An
Inaugural Dissertation
on
"Pneumonia Pulmonalis."

Submitted to the examination of the Trustee
Regents, and Faculty of Physic, of the
University of Maryland;
for the degree of
Doctor of Medicine:

by
B. Rush Kidgely.



Any custom, not absurd in itself, which has existed for so many years, and received the sanction of so large a number of individuals as has that of the writing of Theses were, it would seem, worthy of respect and imitation. Yet this particular custom appears, to me, to possess few claims to observance. To ascertain the amount of information, which the candidate possesses on the subject, is the object contemplated, it is next to useless. A person may be conversant with a subject, and yet because he is not in the habit of writing, or not able to express his ideas clearly, another, with not one half the information which he possesses, may write a better Thesis: besides, one has friends enough who are willing to assist him in his undertaking.

However, as it is my duty to write a Thesis, and not write against Thesis-writing, it may be necessary to make some remarks, in regard to this particular one. To say that this Thesis does not contain one original idea, is superfluous, because, from the nature of the subject, it is impossible to be otherwise. I have endeavoured to collect from all the sources to which I had access,

the most important facts and results of observations, which have been published; and make a connected narrative of them - a difficult task by the way. I have not credited each idea to the author from which it was taken, because ^{as} the substance of every sentence was taken from information derived from some book; and, as I had forgotten, in many cases, in what particular book it was contained, it would have been almost an impossibility to have made all the acknowledgments. If therefore any one shall find ideas or sentences, herein, to which he has any claims of paternity, let him receive the acknowledgment contained in this Preface as sufficient. And that no one may give an undeserved credit, I will merely say to each, if you search sufficiently you will find all the ideas of which the following Essay are composed, in the works of some of the authors on *Phthisis Pulmonalis* - unless, indeed, from not having fully understood them, I shall be found to have propagated some heretical tenets.

Have had been the victims
of disease, since the fall of Adam. From the time, when, the
blow of the Betr-murderer sent to an untimely grave, the first
victim to unquenchable passion, until the present death has deep-
-plated the face of the earth; and will continue to reign and triumph,
so long as an immortal soul inhabits its mortal tenement. Time
in his winged flight, each moment, adds to the number of his
victims. No age, sex, or condition can escape from the tyranny of
his domination.

The tender infant, who is just beginning to hear those first
words so ardently expected, and so fondly treasured up by its atten-
dants, and who is becoming experimentally acquainted, with the
materiality of surrounding objects - the maiden, who has painted
for herself, with the colors of hope, a pathway strewn with flowers,
and in whose expanding charms we discover the future solace and
comfort of our existence - the young parent, in whom, the visionary
fancies of the youth's enthusiasm, have been partially realized -
the hale and robust man, in the prime of life, and enjoyment of
all his faculties - and the caldudinarian, in the "lean and shaggy
pantaloons", whose allotted space of "three score years and ten", has dwin-
-dled down to the "shadow of a shade" - each and all must bow

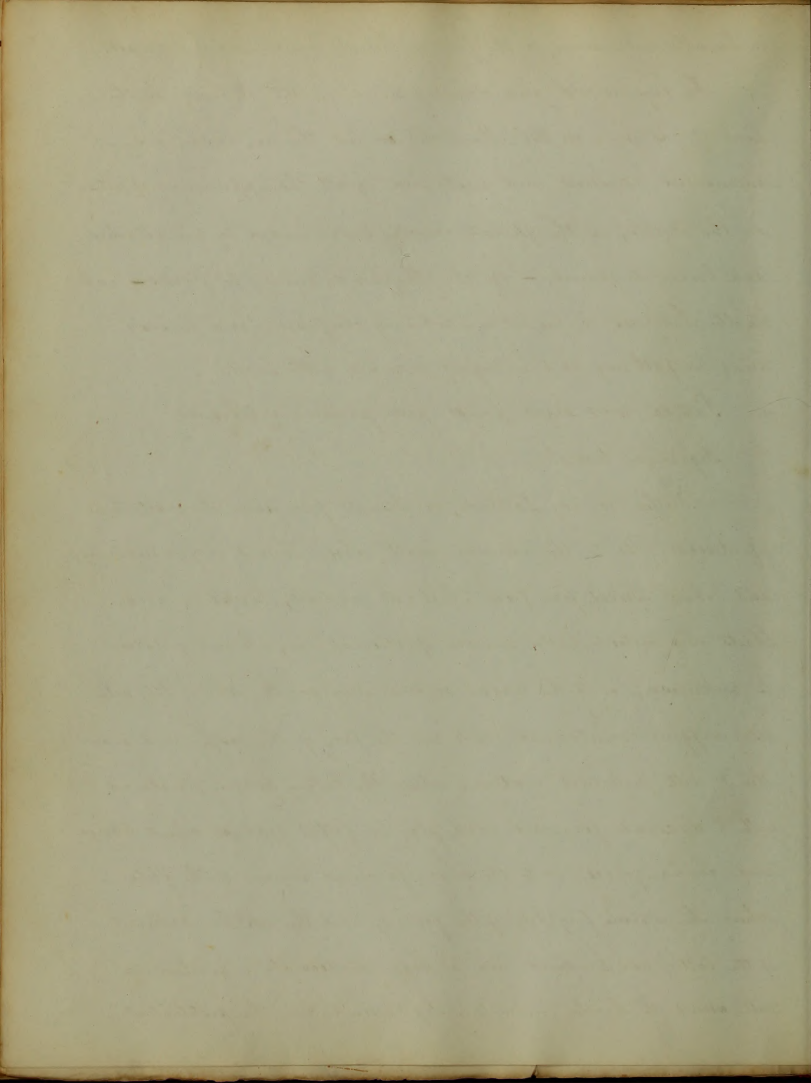
[The text on this page is extremely faint and illegible, appearing as a series of light grey lines across the page.]

in humble submission, to the feet of this uncompassioning Despot.

He lays his cold and clammy hand on the Warrior, in the hour of victory - on the Monarch, on his throne, adorn'd his momentous courtesie, and sustained by all the appliances of art - on the Father, in the private circle, surrounded by his attached and beloved family - on the Shepherd, among his flocks - and on the Labourer, in his cot - scattering confusion and misery along his pathway, and wringing many a wretched heart.

*Pallida mors aequo pulsat pede pauperum tabernat,
Aequaque turnt.*

Neither is any Latitude, or climate free from the visitations of disease. Go to the extreme north, where *Hiems regnat aeterna*, and where *Dorsus*, free from *Asilian* control, sweeps in sudden blasts ever interminable masses of eternal ice, where vegetation is unknown; or to the warm and sunny south, where *Sol*, with his vivifying countenance, enters the face of the earth and mantles it with perpetual verdure; where the balmy breezes, tinged with a thousand fragrant odors, play in fitful gyphs, amid orange and acacia groves; or to the more favoured regions of the globe, where the extreme frigidity of the former, and the extreme calorificity of the latter, are temper'd into a happy mediocrity - Go where you will, ascend the healthy mountain top, descend into the pestilential



valley, navigate the trackless ocean, seek the depths of the dense and impenetrable forest - or will still discern, that:

"Mercurium et emulsum:"

or to borrow the ampler and picturesque language of poetry,

"He waxes steps the secret flow,

And spreads the face of earth with snow;

So Death congeals the living red,

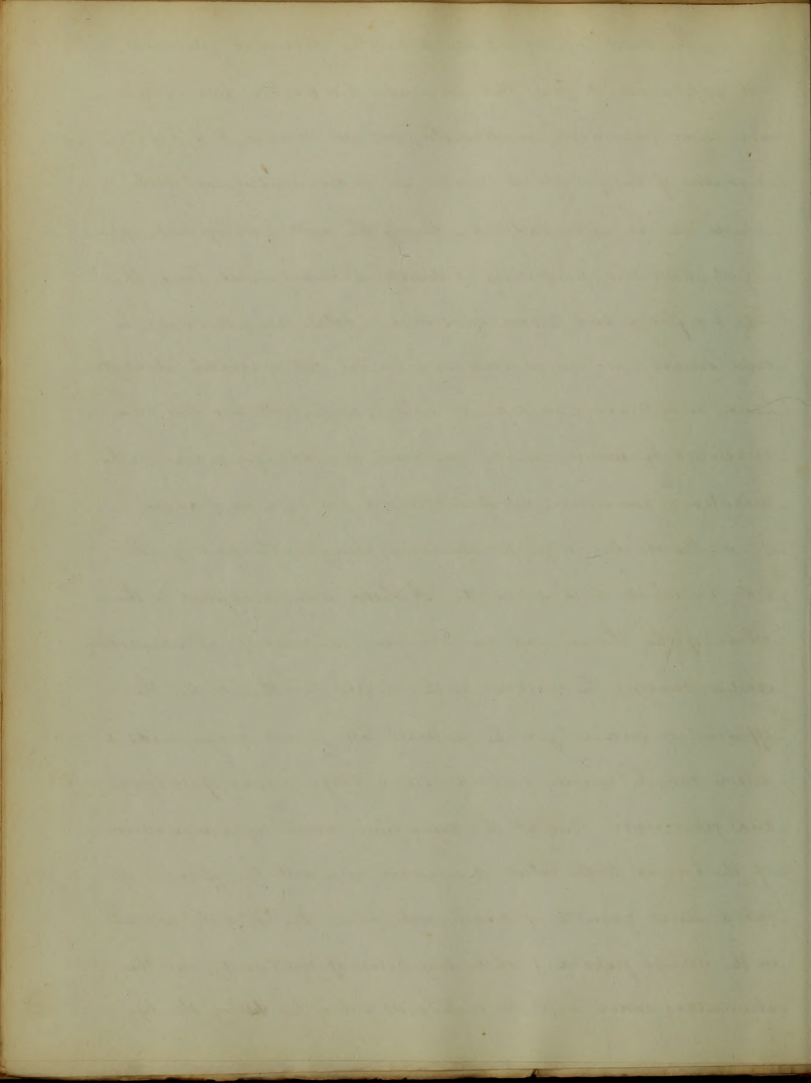
And lays his white robe o'er the dead."

To the Pathologist, the Physiologist, and the Physician disease is alike interesting, and alike the harbinger of intelligence. To the Physiologist, because, it is only by an examination of the animal economy, in all its various phases, that accurate notions can be formed of the laws, which preside over its functions, and conduce to the maintenance of harmony among its component parts. The phlegmura, exhibited by pricking the web of a frog's foot, is producing irritation, and inflammation, in a structure, which is sufficiently transparent, to exhibit the effects of inflammation; has, in the hands of the scientific Physiologist, furnished the basis of the most accurate theory of inflammation, which has ever been offered to the profession. To the Pathologist, and Physician, because, by the examination of numerous cases of disease, more accurate notions may be formed of the march, termination, and treatment of those which may occur in future.

Faint, illegible text, possibly bleed-through from the reverse side of the page.

The most trifling disease is worthy of serious attention, not only, because, it may tend to render less obscure, than which are more formidable in character; but also, because, it is, really, a source of danger per se, under some circumstances with which we are unacquainted. Hence the most insignificant, apparently, have been productive of disastrous consequences. Thus; the bite of a flea, is said to have occasioned a fatal case of tetanus; the same disease has been induced, by a trivial cut or scratch about the hand; or by treading on a pin, or nail, or nail. Death has also been occasioned by excessive mental emotions, as sudden joy or fear; or the incautious announcement of intelligence; or by a fit of anger.

Disease derives great importance, also, from the part of the body, in which it is situated. A blister may be applied to the whole of the thorax, and an immense amount of inflammation excited, causing the removal of the cuticle, together with the effusion of serum, yet the patients' life is not endangered; a person may be severely scalded, over a large portion of his body, and yet recover. But, at the same time, acute inflammation of the larynx, to the extent of a square inch, with the effusion of but a small quantity of serum, will place the life of the patient in the utmost jeopardy; while any lesion of continuity, in the alimentary canal, will, in nine cases out of ten, destroy the life



of the patient, almost as certainly, as a musket ball through the heart. Again, the destruction of some parts of the body, will not interfere, materially, with the offices of life, while any impairment of the functions of others, will seriously inconvenience the patient. Thus; a man may live a number of years, after one of his extremities, has been removed, but no disease could occur in his heart, or lungs, without exciting apprehensions for his safety.

If all parts of the body, none, perhaps, suffer more frequently, or are subject to diseases, which endanger life in so remarkable a degree, as the lungs. The change from venous, to arterial blood, occurs in the lungs. Inward, in any manner, the passage of air into this important part of the animal economy, and the subject instantly dies asphyxiated. The cause of death, in persons who have been submersed; who have inhaled hydrogen or some other gases; or in whom, existed any impediment, to the ingress of air into the lungs, as in croup, laryngitis, and tracheitis - is the non-oxygenation of the blood. Any disease, then, which interferes with the passage, of the due proportion, of air, into and from the lungs, endangers the life of the patient: and it is this in part which renders Hydrothorax, Pneumonia, and Pleurisy, diseases of the most fearful portent - but even these with proper precautions, may be made to succumb, to the enlightened treatment of the scientific practitioner. But besides these,

The first part of the book is devoted to a general
description of the country, its climate, soil, and
resources. The author then proceeds to a detailed
account of the principal cities and towns, and
the various branches of industry and commerce.
The second part of the book is a history of the
country, from the earliest times to the present
day. It is written in a clear and concise style,
and is well calculated to interest the reader.
The third part of the book is a description of
the principal rivers and lakes, and the various
canals and navigable waterways. The fourth
part is a description of the principal mountains
and hills, and the various mineral springs and
baths. The fifth part is a description of the
principal forests and woods, and the various
plants and animals which are found in the
country. The sixth part is a description of the
principal manufactures and trades, and the
various articles of commerce which are
exported from the country. The seventh part
is a description of the principal ports and
shipping, and the various vessels which are
employed in the trade. The eighth part is a
description of the principal public buildings and
works, and the various institutions which are
found in the country. The ninth part is a
description of the principal public works and
improvements, and the various schemes which
are now on foot for the improvement of the
country. The tenth part is a description of the
principal public works and improvements, and
the various schemes which are now on foot for
the improvement of the country.

another presents itself, to our considerations, having its seat in the texture of the lungs - a disease of the utmost interest to the physician, because of its incurable nature; of the lesions which a poor system exhibits; and of the class of subjects, which it hurries to the grave.

In no department of medicine, have such rapid strides been made, towards a perfect understanding of disease, as in *Phtisis Pulmonalis*. Modern research, and ingenuity, have, after the most patient scrutiny, into the nature, causes, and phenomena of some diseases, been compelled to abandon the attempt; and leave them in statu quo; but not so, in *Phtisis*. The immortal discovery, of the method of exploring the chest, by means of the physical signs, by Laennec, in the present century, has led to a precision of knowledge in the various diseases of the lungs, for which that master spirit, Cullen, sighed in vain. We can now detect, the minutest changes which take place in the parenchyma, the minute air cells, the bronchi, and on the surface of the lungs. We can extract secrets guarded by bony walls, as easily, as though the parts were subject to ocular inspection.

Cullen, who has given us a most admirable description of this, (as well as of many other diseases; and to whom plan of treatment little can be advantageously added, was as ignorant, as a breeched uschin, of its pathology, and the physical signs, by which we are enabled to warn its victims of its approach. To the labours of Laennec,

Faint, illegible text, possibly bleed-through from the reverse side of the page.

Louis, Astruc, Forster, Saltham, Graves, Stokes and many others, both in this country and in Europe, posteriorly, to the latest times, will ever be indebted.

Phthisis has been divided, into three forms - the acute, chronic, and latent. The former frequently manifests itself, in the course of other diseases, or at their termination, as scarlet fever, continued fever, measles, catarrh, or any attack, which will break down the strength of the patient, and deplete the powers of his system. It then advances with the strides of a giant, accompanied with acute hectic fever, great and sudden emaciation, copious night sweats, and diarrhoea; and soon the grave closes over another victim. This form usually however, occurs in young persons, in whom the serpyllous taint is conspicuous, and in whom tubercular disease, had been making silent progress before the acute affection was superadded.

Again, *Phthisis* may exist for years, and yet the patient continues to live. In fact, this is, perhaps, the most frequent form under which it manifests itself. In this form the symptoms come on gradually; rather late in life; and in persons, in whom the serpyllous coxæzia, is obscurely marked. Altho they attend to the daily avocations of life, they gradually, become thin, and pale; are the subjects of dyspnoea, dyspepsia, diarrhoea, and cough, which last becomes worse during the winter. When in this state, life is held by the most fragile

Faint, illegible text, likely bleed-through from the reverse side of the page. The text is arranged in approximately 15 horizontal lines across the page.

tenon, and an attack of pneumonia, pleurisy, or catarrh, &c. may place the patient beyond the care and cure of life.

Again, *Phthisis*, is said, to be latent, when it occurs in the chronic form; but when, at the same time, its symptoms are obscured by the presence of some other disease, and when they are not very clearly marked in themselves. The most obvious of the symptoms may be absent and yet the disease may be steadily, yet stealthily, advancing, with nothing to betoken its presence more certain, than some signs of ill health, and febrility.

The duration of an attack of *Phthisis*, within certain limits, and in peculiar cases, is subject to considerable variations. Cases have been recorded, which have passed through all their stages, in the very short space of seven or ten days, from the time at which the symptoms attracted attention; others in four or five weeks; while on the other hand, patients have lingered on for ten, twelve, and even as long, as forty, sixty, and fifty-four years, manifesting all the ordinary symptoms of *Phthisis Pulmonalis*. Numbers of those, who annually fall victims to this disease, might continue to live for years, in the enjoyment of comparatively good health, if (when the incipient signs of its approach manifest themselves, or, knowing, from being the descendants of consumptives, the strong probability, which exists of their becoming attacked,) they would

[The text on this page is extremely faint and illegible, appearing as ghosting or bleed-through from the reverse side of the paper. It consists of several paragraphs of text.]

belate themselves, to a more sunny and equable climate, and fortify their systems by all those prophylactic means, which have been found by experience, to conduce to the preservation of health. But these precautions not often being attended to, and perhaps, an almost opposite course being followed, the disease runs its course rapidly, and terminates fatally - its average duration being from six, to twelve months.

Statistical tables, in whatever country they have been prepared, agree, with considerable unanimity, in declaring that women, are more frequently the subjects of consumption, than men. According to Lincis - than whom, no better statistical authority could be cited - "le nombre des phthisiques, chez les hommes, et chez les femmes, est comme 70 est à 72." In Dr James Clark's tables, the difference is not quite so well marked, but still the number of female deaths, considerably overbalances that of the males. Nor should we be prepared to encounter other results. When we consider, that the female is so much more delicate in structure; that she is, doomed to an almost exclusively sedentary, and in-door, course of life; that, in early years, but little attention is paid to her physical education, and to exercise; that the style of her dress, which leaves bare the throat, and neck, to the visitations of the rudest blasts,

Faint, illegible text, likely bleed-through from the reverse side of the page.

and which prevents the free and requisite motions of the chest; and the inefficient manner, in which, the feet are clad; and that those men, who are predisposed to the affection, resemble females in their bodily organization; we are prepared to receive statistics such as are above represented.

Another point, worthy of attention, is to ascertain the age at which Phthisis is most apt to attack the patient: statistical tables have been collated for this purpose, also. No age is free from its visitations; neither the infant, nor the centenary, nor those of any intermediate epoch. But it most commonly attacks the lovely and promising of our race — those who are remarkable for a characteristic placidity of temper, and who discover talents, which render them the admiration of their acquaintances — the bud just expanding into the flower. Hippocrates informs us, that this disease occurs most frequently, between the ages of eighteen, and forty-five years; an opinion, which has been fully verified, by all more modern observers. The following table, from the work, of a physician, of a neighboring city, shows the relative mortality, from earliest infancy, to an hundred years,

Under one year,	5.	From fifty years to sixty,	47.
From one year to ten,	8.	" sixty " " seventy,	24.

Faint, illegible text, possibly bleed-through from the reverse side of the page. The text is arranged in approximately 20 horizontal lines across the page.

From ten years to eighteen, 14.	From twenty years to eighty, 8.
" eighteen " " thirty-five, 263	" eighty " " ninety, 2.
" thirty-five " " forty, 73.	" ninety " " one hundred, 2.
" forty " " fifty, 78	
	524.

According to this table, more persons die between the ages of eighteen, and thirty-five years than at all other ages combined. —

And the following, drawn up by Louis, and Bagle, and quoted by every person, exhibit nearly analogous results. The former, is that of Louis; the latter, of Bagle.

From fifteen to twenty, 11.	From fifteen to twenty, 10
" twenty " " thirty, 39.	" twenty " " thirty, 23.
" thirty " " forty, 23.	" thirty " " forty, 23.
" forty " " fifty, 23.	" forty " " fifty, 21.
" fifty " " sixty, 12.	" fifty " " sixty, 15.
" sixty to seventy, 5.	" sixty " " seventy, 8.

Neither does it confine itself within any Geographical limits, but ranges the whole globe at pleasure-attacking men, living in the most dissimilar manners, and situations. It may be found "basking in the sunshine of the tropics"; or "drawing its weary length along," amid the perpetual masses of ice, which surround the poles. But its principal habitat is within our own happy; and

Faint, illegible text, possibly bleed-through from the reverse side of the page. The text is arranged in several paragraphs and appears to be a formal document or letter.

delightful climate. It descends England; the principal countries of Europe; and the most temperate parts of our own country - ranging extensively, from Boston, as far south as the gulph of Mexico. It, at the same time, manifests itself, more frequently, on the Atlantic coast, than in the interior, at a similar degree of Latitude.

Perhaps one of the most interesting points connected with the subject of consumption, is whether its origin, and march, are interfered with by the occupations of the patient? Has it been ascertained, that persons, engaged in any employment - are, *ceteris paribus*, more subject to be attacked by Phthisis, than an equal number, in some other line of business? It seems to be a pretty generally conceded fact, at the present day, that some trades are noted for the numbers, which annually fall victims, to this disease. Those persons, whose mode of life exposes them, to an atmosphere, loaded with the particles of any substance, which we do not find in pure air, are especially liable, to become its subjects. Thus; it is a settled point, in England, that those are the grinders of metallic - and especially iron and steel - instruments; as well as stone-masons, miners, &c. It also appears, that those, whose duty

The first part of the book is devoted to a general
description of the country and its inhabitants.
The second part contains a history of the
country from the earliest times to the present
day. The third part is a description of the
natural history of the country, and the fourth
part is a description of the political and
social state of the country. The fifth part
is a description of the military and naval
strength of the country. The sixth part is
a description of the commerce and trade of
the country. The seventh part is a description
of the arts and manufactures of the country.
The eighth part is a description of the
education and literature of the country. The
ninth part is a description of the religion
and customs of the country. The tenth part
is a description of the climate and seasons
of the country. The eleventh part is a
description of the diseases and medical
practice of the country. The twelfth part
is a description of the laws and constitution
of the country. The thirteenth part is a
description of the government and administration
of the country. The fourteenth part is a
description of the revenue and taxes of the
country. The fifteenth part is a description
of the public works and improvements of
the country. The sixteenth part is a
description of the population and families
of the country. The seventeenth part is a
description of the names and titles of the
nobles and gentry of the country. The
eighteenth part is a description of the names
and titles of the knights and gentlemen of
the country. The nineteenth part is a
description of the names and titles of the
clergy and ecclesiastics of the country. The
twentieth part is a description of the names
and titles of the officers and soldiers of
the country. The twenty-first part is a
description of the names and titles of the
judges and lawyers of the country. The
twenty-second part is a description of the
names and titles of the physicians and
surgeons of the country. The twenty-third
part is a description of the names and titles
of the poets and writers of the country. The
twenty-fourth part is a description of the
names and titles of the painters and
sculptors of the country. The twenty-fifth
part is a description of the names and titles
of the musicians and actors of the country.
The twenty-sixth part is a description of
the names and titles of the merchants and
traders of the country. The twenty-seventh
part is a description of the names and titles
of the farmers and husbandmen of the
country. The twenty-eighth part is a
description of the names and titles of the
mechanics and artificers of the country. The
twenty-ninth part is a description of the
names and titles of the sailors and mariners
of the country. The thirtieth part is a
description of the names and titles of the
soldiers and officers of the army of the
country. The thirty-first part is a
description of the names and titles of the
officers and soldiers of the navy of the
country. The thirty-second part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The thirty-third part is a
description of the names and titles of the
officers and soldiers of the volunteers of
the country. The thirty-fourth part is a
description of the names and titles of the
officers and soldiers of the yeomanry of
the country. The thirty-fifth part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The thirty-sixth part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The thirty-seventh part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The thirty-eighth part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The thirty-ninth part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The fortieth part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The forty-first part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The forty-second part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The forty-third part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The forty-fourth part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The forty-fifth part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The forty-sixth part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The forty-seventh part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The forty-eighth part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The forty-ninth part is a
description of the names and titles of the
officers and soldiers of the militia of the
country. The fiftieth part is a
description of the names and titles of the
officers and soldiers of the militia of the
country.

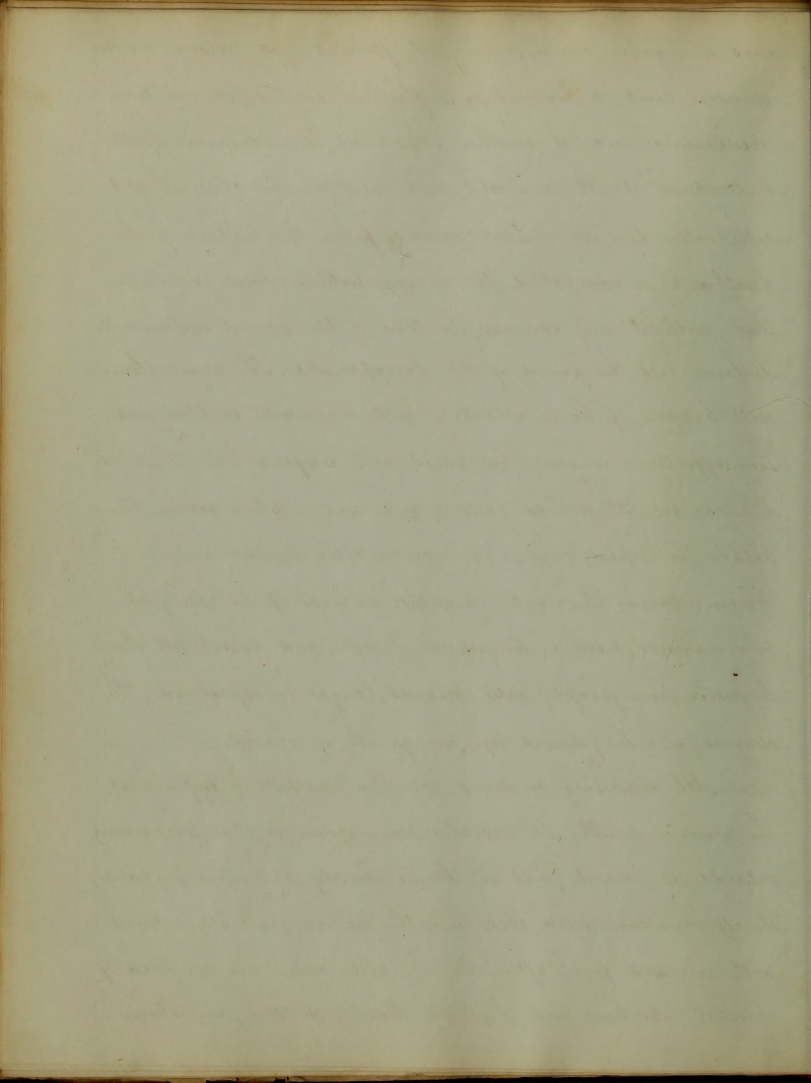
compels them to use wet stones entirely, far longer than they
who grind on dry stones entirely; while those, who at times
use dry, and at others wet, hold an intermediate position
between the two extremes— this latter fact, proving that the par-
ticles of foreign matter, floating in the atmosphere, exert an
influence in proportion to the amount present. And in
this country, it has been noticed, that this unfortunate class,
is well represented by persons engaged as tailors, wrights, shoe-
makers, &c. These, also, whose occupations are sedentary, or
literary men, and clerks, are more frequently its subjects
than porters, and seamen, and country men. Those persons
employed in active, stirring employments, in a pure
and salubrious atmosphere, not subject to too great
variations in temperature, and moisture, are undoubtedly
placed in the most favorable situations, to ward off the
advances of this importunate monster. Among such
occupations, none combines the due proportions of
exercise, and salubrious air, in such just and suitable
proportions, with at the same time a sufficiency of mental
employment, as that of the Agriculturist. "Who would not
be an American Farmer!!"

Altho consumption, generally,

Faint, illegible text, likely bleed-through from the reverse side of the page.

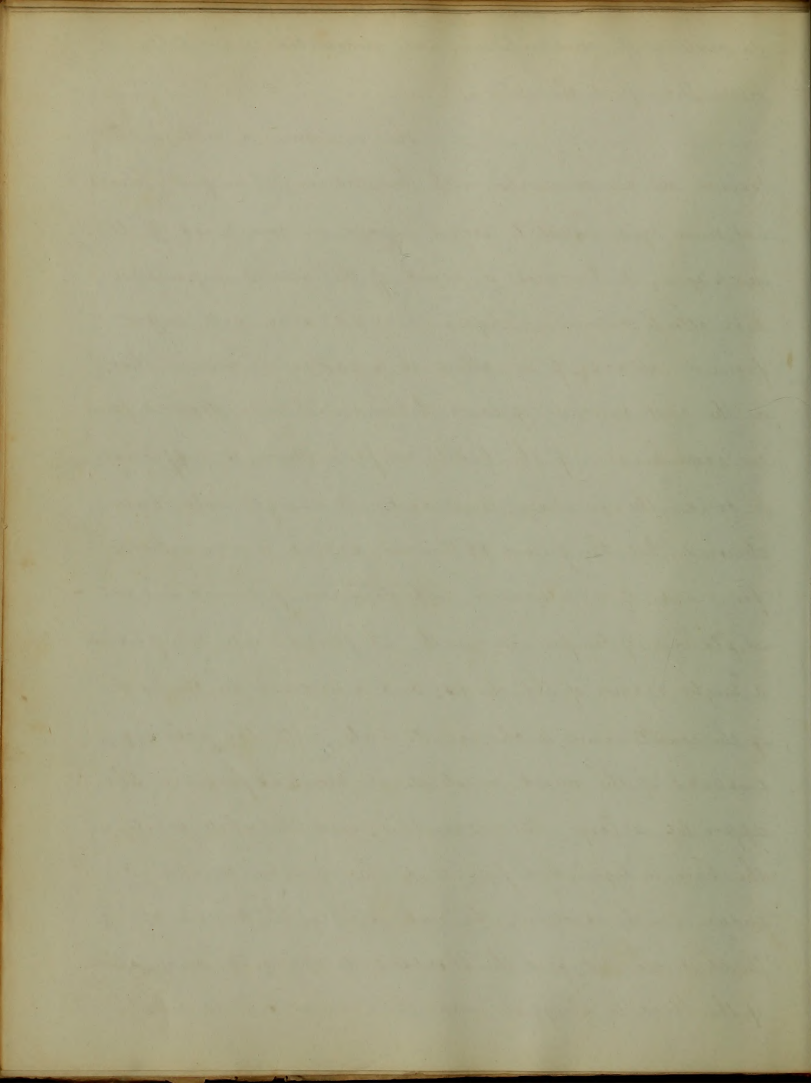
runs a regular course, when fully formed, yet certain circumstances exert a controlling influence over it; at one time accelerating, and at another retarding, its advance. If the individual dwell in a cold, and insalubrious climate, and especially during winter; and if, from the nature of the weather, he is compelled to remain within doors, for some time, without any exercise, the tone of the general system will decline, and the powers of life be exhausted. The same thing will happen, if he is attacked with an acute inflammation, or any other, which will confine him to his bed. Similar results would follow, if a consumptive person, living within the tropics, remove to a colder climate, and remain therein, during the winter months: whereas if he emigrate to a warmer, from a temperate climate, and observe all those hygienic, and prophylactic means, taught by experience, the chances for a lengthened life, are greatly increased.

All depressing emotions are also hurtful by impairing the general health. It has also been observed that pregnancy retards its march, but as this is merely a temporary cause, the effect is transient also; and the disease generally returns with renewed force after delivery; altho cases are recorded of women who have had a goodly share of children, in whom



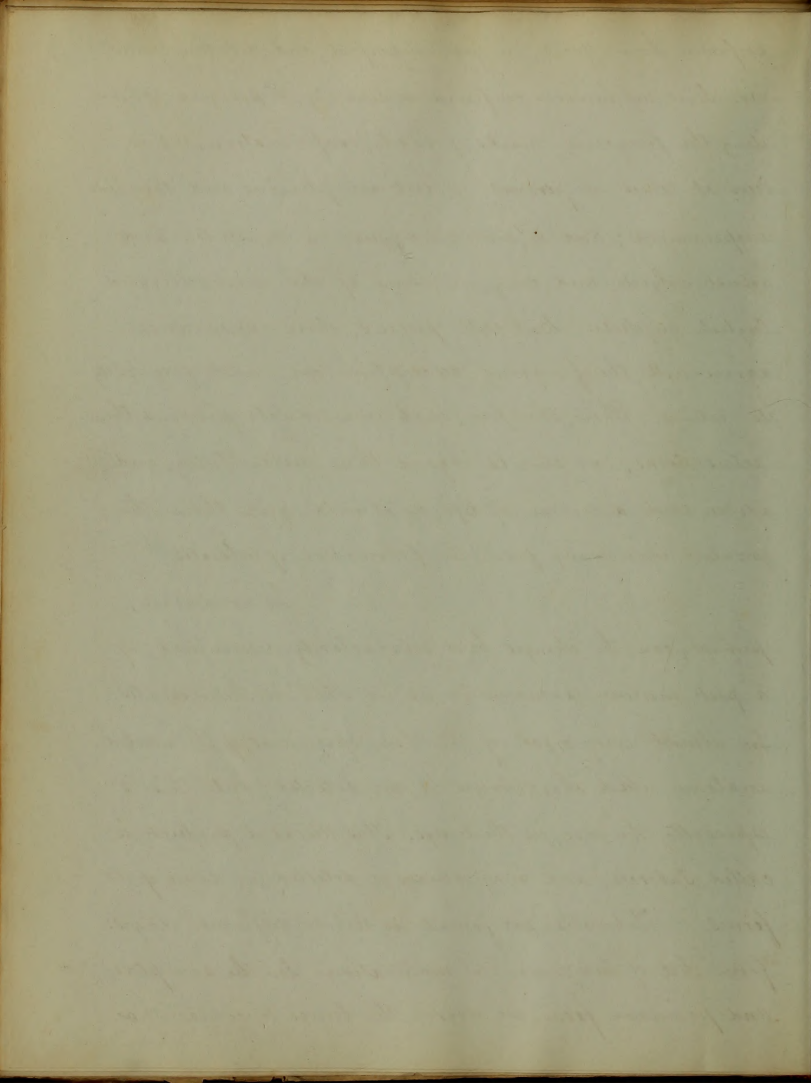
the existence of consumption, was undoubted indubitable,
upon their first conception.

As medicine is seldom victorious in an encounter with this disease, when fully formed; but since, by a resort to proper means, we can ward off its inception, it becomes a point of the utmost importance to be able to determine before its onset, who will suffer from its attack, if we allow it to pursue its course. That, in the vast majority of cases, the evidence to be derived from an examination of the bodily conformation, is sufficient to decide the question, is evident: It has generally been observed, that the future phthical patient is remarkable for beauty of countenance, and clear^{ness}ness of mind - as well as placidity of temper - in youth. A fair delicate complexion, a bright redness of the cheeks; and a tendency on the part of the countenance, to change its tints, with the passing emotions of the mind, constitute its peculiar features. The upper lip is large; the eyes are blue, and the white pearly; the hair is light, and fine; and the muscles unable to endure much exertion; the neck is long; the person slim; the chest narrow, and the shoulders drooping. The circulation of the blood is sluggish, and the various organs seem to



perform their offices, in an imperfect, and dilatory manner. It is not, however, confined exclusively, to persons exhibiting the foregoing marks of bodily conformation, but is seen at times in persons of dark complexions and sanguine temperament; and is, sometimes, seen in muscular and robust subjects, and, even, in some of the most celebrated English pugilists. But still, persons, whose appearance agrees with the foregoing description, are most frequently its victims. When, therefore, such individuals present themselves to us, we should regard them distrustfully, and advise such a course of life, as should give them the greatest immunity from the formation of tubercles.

In no disease, perhaps, can the changes be so satisfactorily determined, by a post mortem examination, as in *Phthisis Pulmonalis*. In almost every organ of the body, specimens of the morbid anatomy, which characterizes it, are detected; but this is especially the case, in the lungs. This diseased product is called Tubercle: and may always be detected in some of its forms. Tubercles are found in several different stages: from that of incipency, to maturation. In the simplest, and primary form, we observe the lungs to contain a



number of small specks of a matter, which is not dissolved in healthy lung of a yellowish, or greyish color, opaque and friable. These specks may be few, or so numerous as to fill up the lung, almost entirely; while the portions of lung between them, is indurated, to a greater or less extent. This is the stage of miliary granulation.

When these deposits have once obtained a resting place, they increase with amazing rapidity - in some cases, while in others more tardily - by accretions of analagous matter in successive external layers, until at last they are as large as a chestnut, or hen's egg, and of a whitish appearance, and of the consistence of cheese - when they are called crude tubercles.

After remaining in the crude state for an indefinite length of time, and giving rise to symptoms of greater or less obscurity, a process of softening commences, in some part of the mass, which continues until its consistence is reduced to that of pus. This is called the period of maturation or softening. The inflammation, in the tubercular mass, may light up a secondary inflammation in the surrounding portions of lung, which will determine a deposit of the specific matter in the part, and lay the

Faint, illegible text, possibly bleed-through from the reverse side of the page. The text is arranged in approximately 20 horizontal lines across the page.

foundations, for a second crop of tubercles, which will mature at some distant day, if the first supply be not fatal. When the mass has broken down, it will be expectorated, by means of the bronchial tubes, which, having been sewed during the progress of the disease, open into the mass.

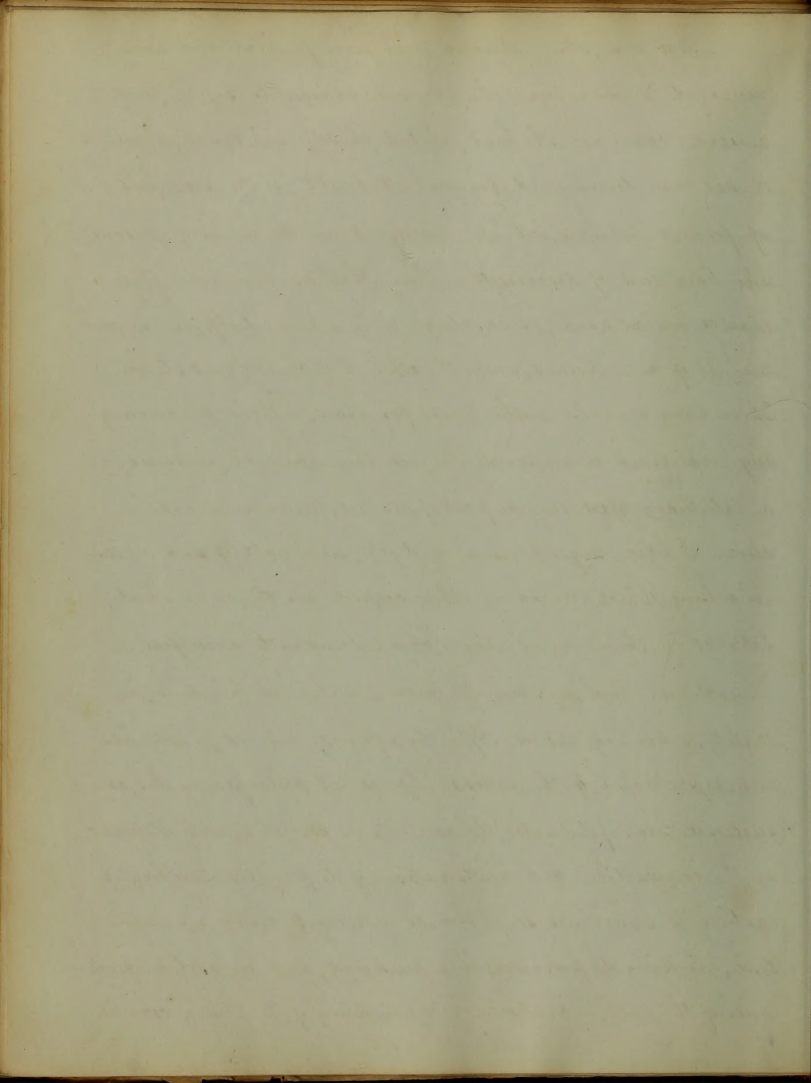
When the matter has been expectorated a cavity is the result.

Cavities or vomicae have been found of all sizes, from a pea, to an orange - or even an entire lobe, has been occupied, by one cavity - but the ordinary size is about, that of an egg. When of a very large size, it is extremely probable, that several small vomicae have been reduced to one, by the walls between themselves, having been perforated or broken down, by the inflammation, which softened the tubercular mass. When the cavities are first formed, the walls are extremely irregular, and ragged; but after some time, if there be no other tubercles in the neighborhood, to interfere with the salutary operations of nature, they become firm, on account of the induration of the surrounding parvachyma - and the cavities themselves, are lined by false membranes, which perform the functions of secretion. They may contain air, or mucus, or pus, or blood, or remaining tubercular matter.

Faint, illegible text, possibly bleed-through from the reverse side of the page.

But even, when, tubercles have been formed, and have increased to some size, they do not necessarily soften, and caused vomicae. A hard, whitish, chalky substance, which, it has been determined, beyond all doubt, is the remains of former tubercles, has been discovered in the lungs of persons who have died of diseases, other than Phthisis. Sometimes these masses are as hard, as cartilage, or even bone itself; or one part may be of a crystalline, while the other is of chalky consistence. These may remain in the lungs for years, without producing any unpleasant consequences. In fact, they seem to be produced, by a salutary effort on the part of nature, tending towards a cure. I have, myself, seen and felt, six or eight of such masses, in a lung, which seemed in other respects healthy, or in which, tubercles, in their various stages, were abundantly manifest.

At other times, another appearance is observed, which is, in reality, a healing process. After the softened morbid matter has been expectorated, if the patient's life is not destroyed by this, or a successive crop of tubercles, the cavity is in part, or entirely obliterated, by the contraction, and cicatrization of its parietes. This cicatrization is sometimes so perfect, as merely to leave a simple line, marking its presence; or a puckered, and wrinkled appearance of the parts, and depression & wrinkling of the pleura over it.



Altho tubercles are found, in the greatest abundance, and most advanced stages, in the lungs, yet the morbid anatomy peculiar to Phtisis, is by no means confined to these organs. Consumption is a great general disease, and implicates almost every organ of the body. That part, in which we find tubercles, in greatest abundance, next to the lungs, is the digestive apparatus. They are found in contact with the serous membrane, which lines the abdomen; and the mucous membrane, which lines the intestines; and especially the lower third of the small intestines. Also in the glands of the intestines - those of Lymph. most frequently; but those of Brunner also. They very frequently, also, attack the glands of the mesentery; and the emaciation, always attendant upon the last stages, is owing to these glands becoming enlarged, and indurated, and obstructing the flow of chyle - These deposits are also found, in the larynx; the cervical glands; the brain; the kidney; the uterus; the testicle; the spleen; the liver; the heart, &c. &c.

But, altho, the tubercular deposits are sought after more particularly, and are the most interesting, yet these are by no means the only morbid products, which dissection exhibits. The lungs are found to be

Faint, illegible text, possibly bleed-through from the reverse side of the page.

Handwritten signature or name, possibly "John Smith".

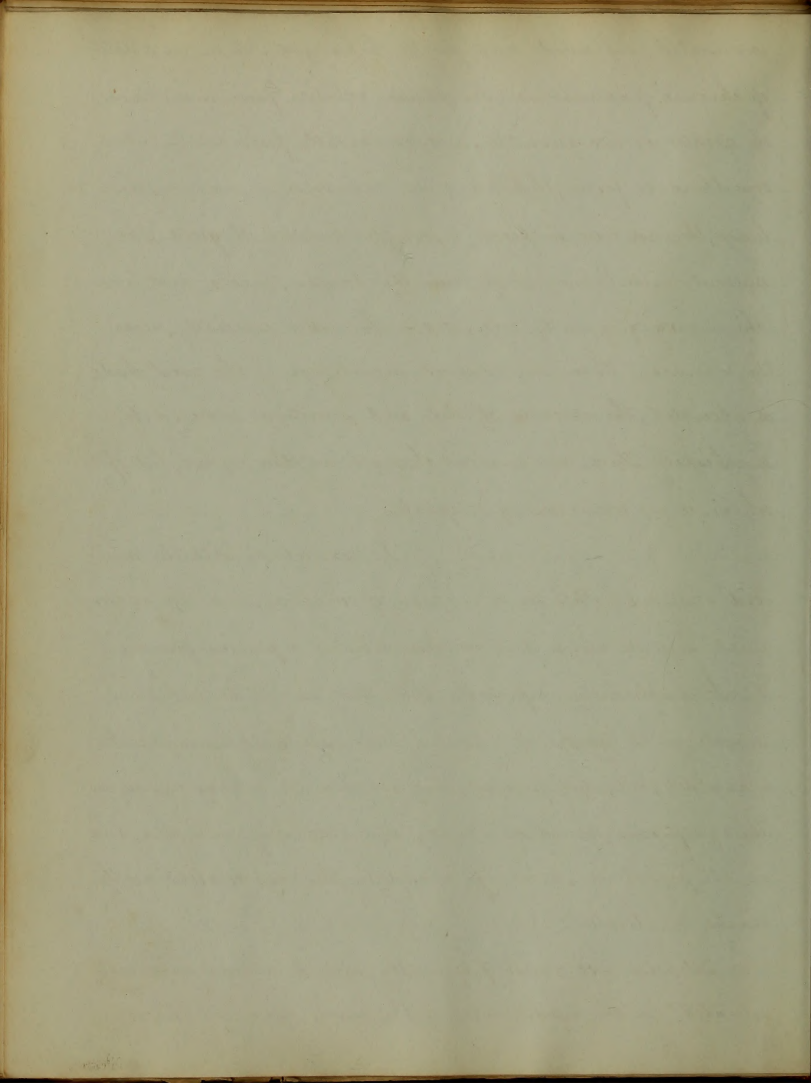
Faint, illegible text at the bottom of the page, possibly a date or address.

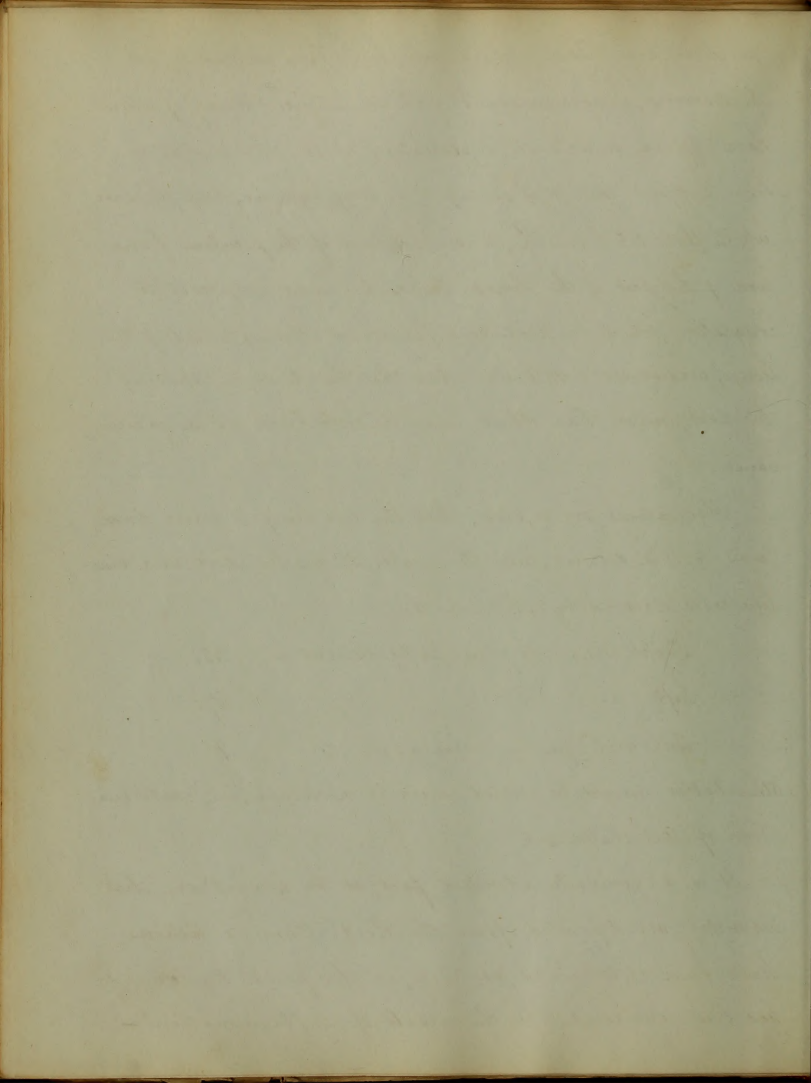
indurated, inflamed, and partly hepaticized - to be in a state of chronic pneumonia. The pleura exhibits false membranes, in greater or less quantity, and of variable firmness - but sometimes so firm, that when we endeavour to remove the lungs, they are torn in pieces, before the bands will yield. The mucous membrane which lines the larynx, trachea and bronchi, is very frequently ulcerated - the latter especially, near the verruca. When the mucous membrane of the vocal chords, is ulcerated, the voice is affected, and sometimes reduced to a whisper. There are various changes in other organs, but of which it is unnecessary to speak.

In connection with the morbid anatomy of *Phthisis*, a number of collateral, and explanatory points arise, in which it is necessary to bestow a passing glance.

It is extremely improbable, that there should be but one tubercle, in the lungs of a person. That such a thing is possible is admitted; but, when present, they are almost always numerous. The symptoms would be slight, and obscurely marked, and in all probability, recovery would be the result; still, death might intervene.

Tubercles are most frequently, indeed almost invariably, situated in the upper lobes of the lungs, and in their

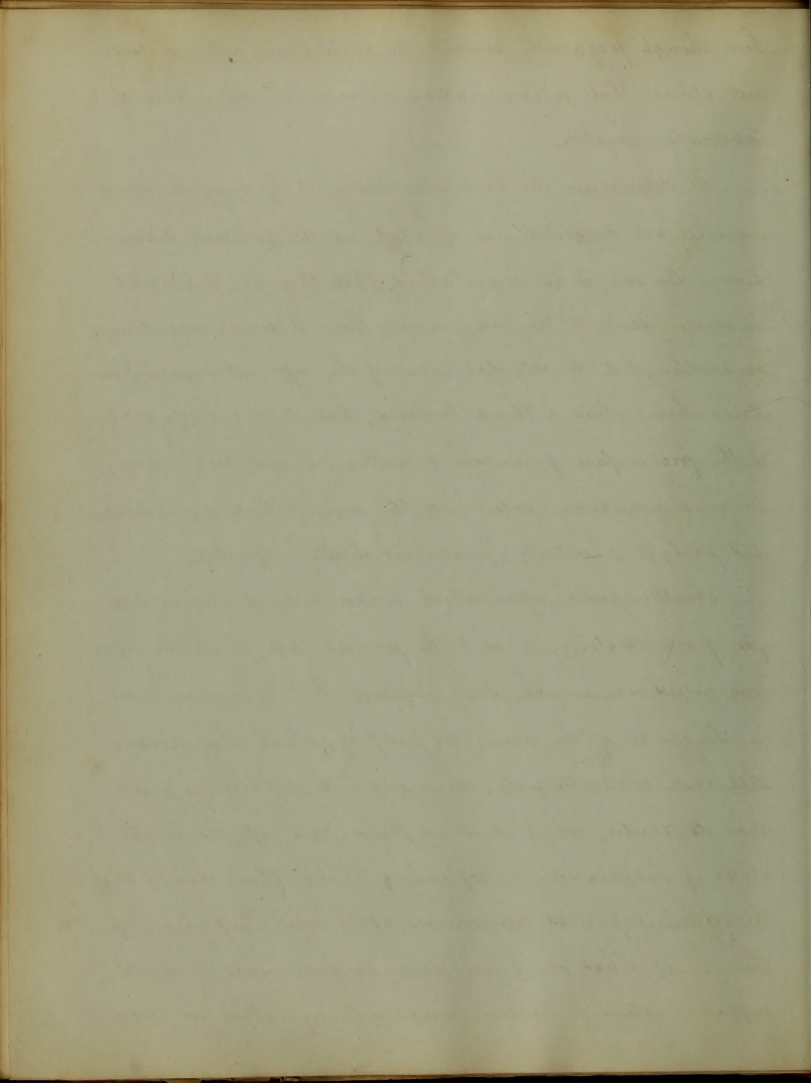




But though frequently present in connection with it, it does not appear that inflammation induces the deposition of tubercular matter.

To determine the particular tissue of the body, in which tubercles are deposited, has afforded matter for some discussion. By one, it is maintained, that they are deposited in every tissue of the body, except those of horny consistency; by another, that the cellular tissue of the different organs, contains them; while a third declares, that its favorite seat is the free surface of mucous membranes; and that when mucous membrane enters into the composition of the diseased part, it is entirely - or at least chiefly - affected.

Another point, upon which unanimity of opinion is far from existing, is as to the precise spot, where the softening process commences. Some suppose that it commences in the center of the mass; in proof of which they declare that each crude tubercle, when cut into exhibits a point near its center, when it is as fluid and soft, as in the stage of maturation or softening. While others believe that the softening process commences at the circumference of the mass. That being an unorganized mass, it excites inflammation of the surrounding lung, which in turn



reads upon itself, and that thus, the mass becomes gradually broken down. These explain ~~explain~~ the appearance of the softened spot in the center of the round tubercle, by declaring that, when the tubercular matter is deposited from the blood, only a portion of the deposit becomes hardened, while the central portion remains of fluid consistency.

Tubercles take their shape from the tissue, in which they are deposited; and are not necessarily of a rounded form. It is true that they mostly assume the spherical shape, but this is so, because the tissue in which they are deposited is equally distensible in every direction. But when they are situated in, or about, the smaller bronchi, they then assume a cylindrical shape; but if any one, were to cut one of these bronchi across, altho the deposit were cylindrical, the cut extremity would appear to be a segment of a sphere, and if the examiner were to suppose the deposit globular, he would be deceived. Thus the opinion that tubercles are always spherical, altho, seemingly well supported by facts, is not strictly correct.

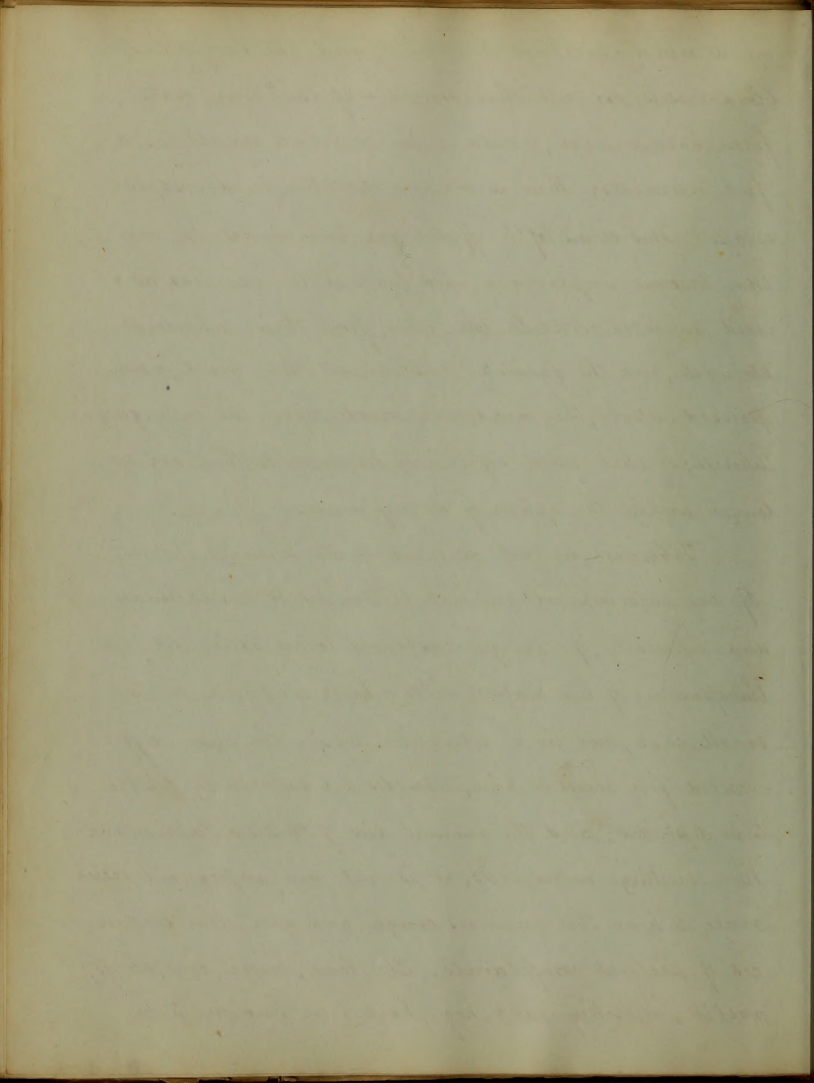
There is another point, connected with the softening and breaking down of tubercles, which is extremely interesting. Bronchial tubes are divided, and, opening into the cavities,

Faint, illegible text, possibly bleed-through from the reverse side of the page.

afford communications between it, and the larynx. The blood-vessels are not thus divided - if they were, death, from hæmorrhage, would be the inevitable result, in a few moments. How is it then that the blood-vessels escape? This seems to be effected in two modes. In one they become impervious, and traverse the vomica as a solid mass or cord. In the other, from their inherent strength, and the facility with which they yield, when pressed upon, they gradually recede before the enlarging tubercle; so that when softening commences, they are no longer within the sphere of its influence.

Tubercles are not confined to the human species.

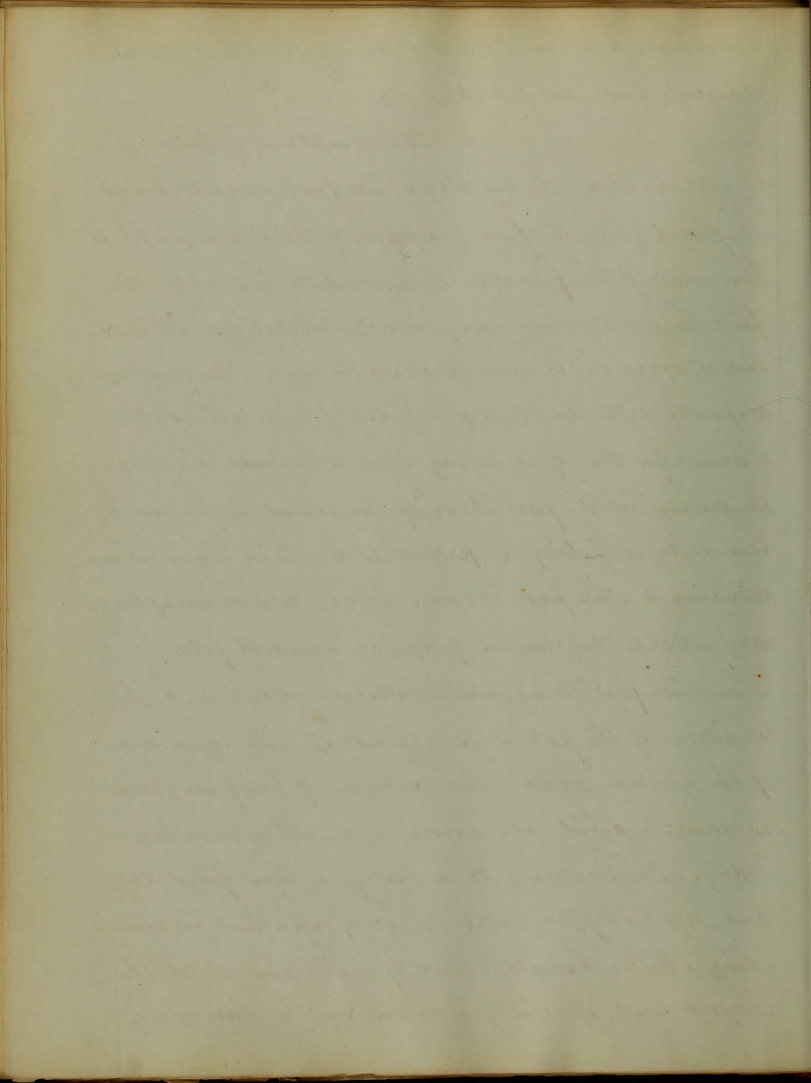
If any intertropical animal, be brought to our latitudes, and especially, if - being accustomed to an active life in the open air of his native wilds - he be confined in a small cage, and in a situation, where the sun is pre-vented from access to him, tubercles are extremely liable to be deposited; and the animal dies of *Phthisis Pulmonalis*. When visiting menageries, it is not an unfrequent occurrence to hear the animal's cough, and give other evidences of pectoral complaints. The lion, horse, cow, sheep, rabbit, monkey, and hog, have been known to be



tuberculous: the same is also true of the parrot, turkey, and fowl, and also of reptiles.

The symptoms of Phthisis, may be divided into two stages. The first stage embraces the period from the first inception of the attack, until it has become fully formed. The second begins when the first terminates, and comprises the whole time, which the disease requires to run through its course. The first corresponds with the stage of miliary granulations; the second with that of softening. That we should diagnose the disease in its first stage, ^{is} of the utmost importance, because, by subjecting the patient to a certain regimen, and attending to other particulars, to be mentioned hereafter, we may increase the chances of life an hundred fold.

The first thing, which attracts attention, to the condition of the patient, is a gradual undermining of the general health, and a sense of languor, and a desire to avoid all exertion, whether mental or bodily. The breathing, too, is less free, than formerly, and, especially, at night, or going up stairs, or ascending a hill. A slight degree of irritation about the larynx, and, especially marked, in the morning



and attended with cough, and the expectoration of frothy
mucous, is also present. The cough is not very well marked,
but is persistent, and of a dry, hacking character. The
expectoration consists of little else than saliva, mixed
with some mucous, but, is troublesome, in the morning,
and gives rise to some hawking, in order to dislodge
it. Some wandering pains about the chest or shoulders,
are sometimes observed. When of a dull character, they
are mostly rheumatic, but when acute, and sharp, are
caused by a small pleurisy. One of the most constant
of the symptoms, and one which is almost pathognomic,
is Haemoptysis; which occurs in two, of every three cases.
Indigestion; irritability of temper; and a marked change,
in the character of the voice, are sometimes observed; as,
also, burning of the palms of the hands, and soles of the
feet. Change in the appearance of the eyes, also, occur;
at one time, they are bright and sparkling; at another,
morbidly dull. The patient is restless, at night; and subject
to dream. Diarrhoea may also be present. At first these
symptoms are all indistinct and badly defined, but, as
the disease progresses, they become better marked, until
at last, when the second stage has arrived, no doubt

Faint, illegible text, likely bleed-through from the reverse side of the page.

can exist in the mind of any one, as to their character; and then others are superadded.

The emaciation, partial at first, has steadily progressed, until it has become extreme; even altho the functions of the digestive apparatus remain unimpaired. The pulse has been gradually increased in frequency, while, at the same time, it is irritable; and readily accelerated, by emotion, moral or physical. The features are sharpened, and the countenance is pale, with a blooming spot on either cheek; or it may be very pale, at one moment; and at the next, unusually flushed. Sains in the chest, are, perhaps, generally present, altho many patients declare, that they suffer little in this respect. These pains are variable, in different cases. Sometimes consisting of a sense of weight, and constriction, while at others they are the acute, sharp, distressing pains of pleurisy; which may cover a large space.

The lungs may, in truth, be considered as among the most insensible of the organs of the body. Inflammation, sufficient to destroy their texture, may be present, and yet betray its presence, by little or no pain. The dyspnoea, altho present, is not to any great degree troublesome, unless the patient makes great exertion. Sometimes the difficulty of

Faint, illegible handwriting on aged paper, possibly bleed-through from the reverse side of the page.

breathing, after being present, in the early stage, almost entirely disappears, during its subsequent course. The cough becomes very distressing - disturbing the rest of the patient, if not successful, in driving sleep from his couch entirely; or, if checked by opiates, during the night, it returns with redoubled energy, the next morning, and perhaps accompanied with some vomiting. But, if mostly present, this symptom is sometimes absent, while at others, it is intermitting. The cough is generally dry, at the commencement of the disease, or else simple mucous is expectorated; but as the softening process gradually progresses, the sputa become greenish, or opaque, or streaked with yellow lines; or it is almost entirely purulent. Then, after a time, little whitish specks of matter, are expectorated, which resemble grains of boiled rice: these are crude tubercles. Sometimes the expectoration appears in rounded masses of great firmness, and consistency, and of a greyish-white, or ash color.

Hectic fever always appears, during the second stage. At first there is, generally, but one paroxysm during the twenty-four hours; but after a time, there will be two. One will commence about noon, and last a few hours,

Faint, illegible text, possibly bleed-through from the reverse side of the page.

when it will gradually pass away; and then, after a few hours' intermission, the second will commence, and and follow a course similar to the first. Sometimes, however, it assumes the intermittent type. Some hæmoptysis may occur during this stage; but much less frequently than in the former. When it does occur, in any stage, it generally transudes through the coats of the vessels; but an artery may be divided, or become diseased, and burst - giving rise to profuse hæmorrhage. Diarrhœa is of very frequent occurrence, and a source of great annoyance and discomfort to the phthisical patient; as well as the most effectual means of breaking down his remaining strength. We are fully prepared to expect this symptom. Among the morbid lesions, ulceration of the mucous membrane of the intestines; as well as of the glands there situate, was enumerated - this ulceration will fully account for the persistence of the diarrhœa. In connection with this latter symptom, vomiting is frequently observed. Oedema is, also, generally present during the second stage, but gives rise to but little uneasiness.

Faint, illegible text, likely bleed-through from the reverse side of the page.

A peculiar incurvation of the nails, and alteration of the ends of the fingers, occurs in an advanced stage of Phthisis. The voice, also, almost always, becomes altered on account of ulceration of the vocal chords.

It becomes weaker, and more or less hoarse, and sometimes so faint, as to be almost entirely indistinct. The sufferers from this disease, are remarkably hopeful, and are hard to be persuaded, that they are labouring under an incurable disease. Members of the profession, even, have exhibited this peculiarity.

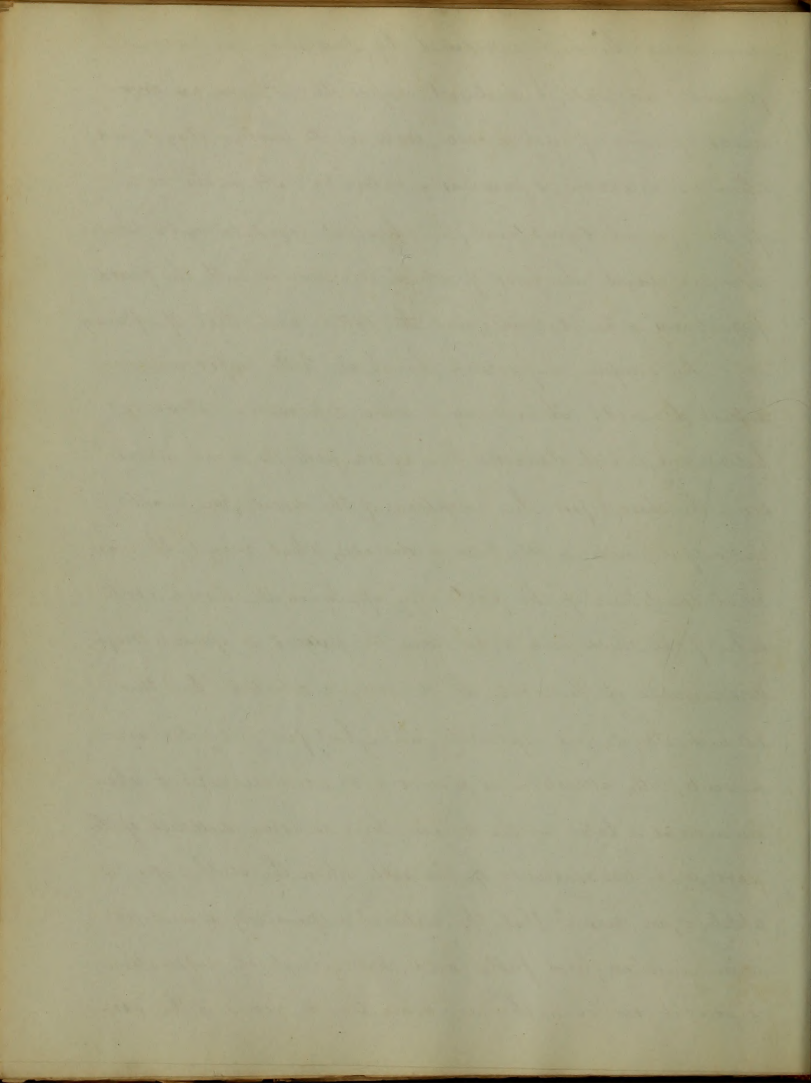
These are some of the symptoms of the second stage, mentioned by authors: some have also described a third stage, characteristic of its fatal termination but as when it has thus far progressed, no one would mistake it and as it is then necessarily fatal, no good can result from describing it.

The symptoms, above enumerated, are those, which have been known to all practitioners, from the earliest times, and by the aid of which they were, generally, able to make an accurate diagnosis, especially, when the disease was well formed, and considerably advanced. But since the mode of

Faint, illegible text, likely bleed-through from the reverse side of the page.

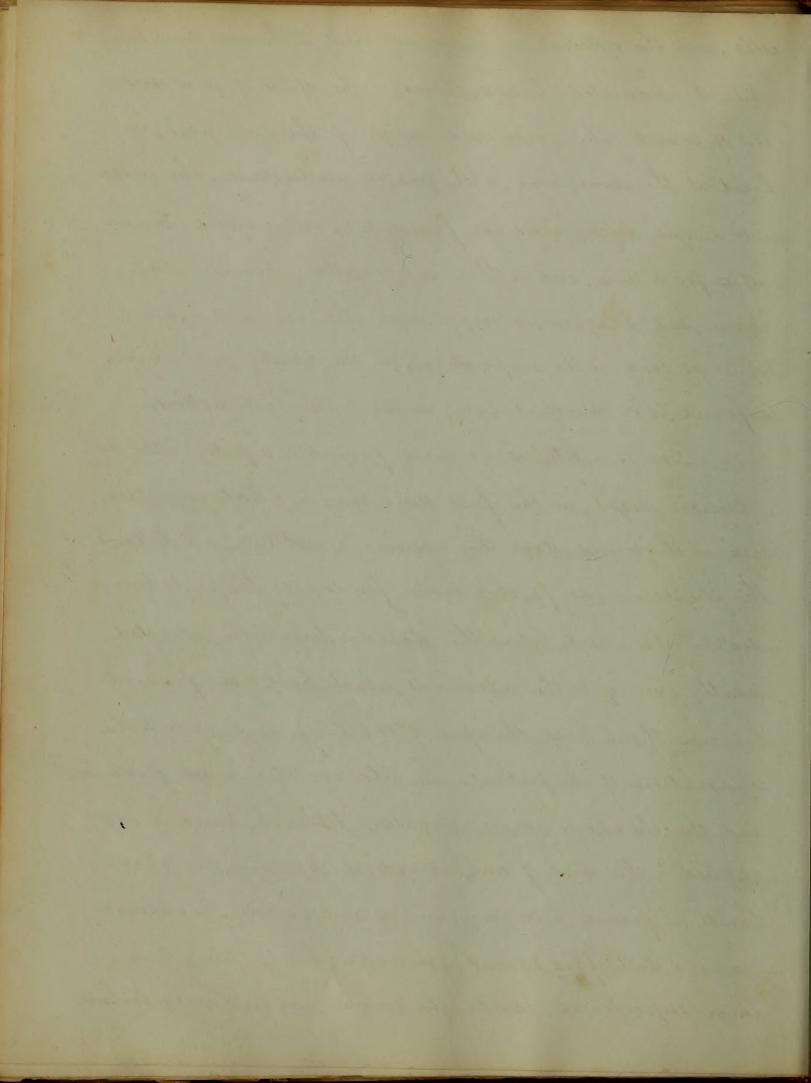
examining the chest, introduced by Laennec, has become generally adopted, it is almost impossible to form an erroneous opinion of such a case, even in its earlier stages, and when its detection, is peculiarly valuable. As in the case of the general symptoms, the physical signs may be divided into two stages. The first of which corresponds with the period of milinary granulations; and the latter with that of softening.

By simply inspecting the chest, little information is to be obtained. There may be some depression above or below one, or both clavicles, but as we, perhaps, have never seen the chest, before the inception of the disease, we must be careful not to attribute to disease, what may be the natural condition of the parts. By applying the hand to both sides of the chest, and requesting the patient to speak, or cough, an increase of the vocal thrill may be detected. In the earliest stage, and especially, when, but few tubercles are present, little alteration is perceived on percussions; but when numerous or later in the disease, there is some dullness of the part, and less elasticity of the ribs. When the stethoscope is applied, we observe that the natural respiratory murmur is diminished, and feeble; and that bronchial respiration is present, owing to the air being denied access to the air-



cells, and the respiration being restricted to the bronchial tubes, while the indurated lungs, usurp the offices of good conductors of sound. The voice and cough of the same part, are heard at the same time, with greater distinctness. The inspiration and expiration are found to be interrupted. The air enters for a time, and is then interrupted - then it enters again, and is again, interrupted, &c. The expiration, which is not as long as the inspiration, in the healthy individual, is found to be much longer, in the phthical patient.

But as Phthisis generally progresses rapidly, altho the physical signs, in the first stage, may be a little uncertain, yet in the second stage they assume a certainty, which leaves the physician, no further room for doubt. The parts immediately above and below the clavicles, have been retracted, partly owing to the adhesions, which have been formed between them and the apex of the lung, and partly to the emaciation of the patient: the ribs are also much flattened, and the shoulders more angular. When the hand is now applied to the chest of an individual speaking, the vocal thrill is found to be very much increased. Percussion gives a dull, flat, sound, generally; but if there be a large superficial cavity the sound may be clear & resonant.



Among the earliest of the indications, elicited by auscultation, in the second stage, is the clicking sound, caused by the passage of air, through the breaking down tubercular mass - this is the first indication of the formation of a cavity. Now the bronchial respiration is distinctly perceptible, and the blowing respiration, can also be detected; but the vesicular murmur is entirely wanting.

When the softened tubercular matter has been expectorated, a cavity is formed, and air may be heard to pass into it at every inspiration, and especially, if the patient cough - this sound has been called cavernous respiration. When the cavity is large, and the bronchial tubes entering it small, the air may be heard to enter with a puffing sound, which has been compared to that made by blowing into an empty cork or bottle; and hence called amphoric respiration. When the cavity contains fluid, the air passing through it makes a gurgling noise, similar to that produced, by blowing through a tube, the farther extremity of which, is immersed in fluid - this is called gurgling respiration. When the cavity is situated near the surface of the lung, and communicates freely with the bronchi, every word, which the patient utters, is heard with remarkable distinctness

Faint, illegible text, possibly bleed-through from the reverse side of the page.

by applying the ear to the chest - this is called pectoriloquy. When a large abscess contains both air and fluid, at times a remarkable sound is heard, which resembles that produced by dropping a small shot into a glass vessel, or by striking a metallic vessel with a firm substance - this is called metallic tinkling. — Such are some of the physical signs, which are present in greater or less quantity, in every case of *Tuberculosis Pulmonalis*.

Having just described the symptoms of consumption, it is scarcely necessary to repeat all that was then said, merely because we are about to consider its diagnosis. The disease is obscure or well marked, according to the extent of its ravages; and when obscure it may be difficult to distinguish from chronic bronchitis, but if the symptoms above described are well understood, and investigated, little hesitation need be experienced. In order, however, to avoid all possible sources of error, let us compare the symptoms of the two together. In chronic bronchitis, the morbid sounds are detected, in the lower lobes of the lungs; while in *Tuberculosis* they are situated in the upper. The former is attended with the expectoration from the commencement; while in the latter, this symptom comes on late in the disease.

Faint, illegible text, possibly bleed-through from the reverse side of the page.

In the former, the pain is situated, in the region of the sternum; in the latter in the side or back. Phthisis, also, furnishes some symptoms, which bronchitis rarely, if ever, does: among these, may be enumerated hæmoptysis - which is connected with tubercular deposit, in ninety-five per cent. of cases; a soreness of the chest, and burning of the hands, and feet; a double pleurisy; ulceration of the larynx, not caused by syphilis; and diarrhoea occurring without any obvious cause - these are diagnostic of Phthisis.

The prognosis is very grave: although cases are cited by professional men of undoubted attainments and veracity, in which the tubercular matter had softened, and a cavity formed, and yet these patients recovered. These examples furnish the rare exceptions, and not the general rule. Undoubtedly, we are not to despair of being able, to render assistance, when in its incipency, and but a small portion of lung diseased, or when it occurs in persons, in easy circumstances, who need not necessarily expose themselves. But when fully formed, it is almost inevitably fatal.

One of the most interesting points, if not the most interesting, in any disease, is the

Faint, illegible text, possibly bleed-through from the reverse side of the page.

determining, by what means, it is produced. To know the cause
of a disease, is, frequently, to know how to prevent, or cure it.
Unfortunately, for humanity, in no disease, perhaps, is so little
known, in regard, to causation, as in *Phthisis Pulmonalis*. It
seems to be a generally received opinion, among practitioners,
that consumption occurs by far most frequently, in those,
whose parents have been its victims. Children are observed
to bear a striking resemblance to one or both parents in
personal appearance, and in deviations from the natural
appearance. Thus, the Buckle Lip has characterized the House
of Austria, for centuries; and there is a case recorded, where
the descendants of a person, who had six fingers and toes,
were marked by this peculiarity, for several generations,
and even, until the account was written. And while inher-
iting bodily peculiarities, it is reasonable to suppose, that
the germs of future disease, are inherited also. But there
are additional causes. Vicissitudes of temperature; an in-
sufficient supply of clothing, when exposed to a cold, or
moist atmosphere; an indigestible diet; dwelling, in low,
damp, situations, where wholesome air, and genial sunshine,
cannot come; a sedentary course of life; the abuse of intem-
perate liquors; unnatural excesses, in youth; mercury;

Faint, illegible text, likely bleed-through from the reverse side of the page.

mental anxiety; confining occupations; too close an attendance, at the school room; mal-formation of the chest - these may all bring on consumption, in some persons. But since a very few only, of those, who are placed in similar circumstances, and undergo equal hardships, and exposures, are destroyed by consumption, we must suppose that a peculiarity of constitution, or a predisposition, must act in cooperation, with the above mentioned causes, to develope the disease. It may also, sometimes, be referred to attacks of other diseases, as bronchitis, pleurisy, pneumonia, remittent, intermittent, and exanthematous fevers, &c; as, also, a stooping posture, an unnatural confinement of the chest, exertion of the lungs in speaking, or playing on wind instruments, &c. Any thing, in short, which ^{will} lessen the strength, and weaken the tone of the general system, will, in the predisposed, act, as exciting causes.

Altho Phthisis at one time, was supposed to be contagious, and is still so considered, in some countries; the most enlightened, at the present day, believe it to be devoid of this quality. But, at the same time, it is not advisable for relations of consumptives, to remain too much, in the same room, with them. The same predisposition, which existed

Faint, illegible text, likely bleed-through from the reverse side of the page.

in the first, may exist in the other also; and when to this is superadded the weakening effects of watching in the sick room; the want of pure air; the irregular hours for sleep; the sympathy; the want of exercise, and perhaps the exhalations from the patients body, Phthisis might readily be excited.

The most natural division of the treatment of Phthisis, is that followed by Dr. Watson, viz. the method of preventing its formation, when likely to occur; of arresting its progress, when in the incipient stage; and of alleviating the most distressing symptoms, when it is fully formed. Let the physician fulfill all these indications, and nothing more remains to be done.

The means employed, for preventing its formation, when likely to occur, are few and simple. The patient must remove to a warmer, more equable, and salubrious climate. Cold alone, is not so very inimical to life, or conducive to phthisis: in proof of which, it is only necessary to refer to the fact, that persons, living in the coldest and most miserable regions of the earth, as Siberia, Lapland, and Greenland, are by no means as frequently attacked by it, as the citizens of England, France, and the U. States.

The first part of the book is devoted to a general
introduction to the subject of the history of the
people of the world. The author discusses the
importance of the study of history and the
value of the records of the past.

The second part of the book is devoted to a
detailed account of the history of the world
from the beginning of time to the present day.
The author discusses the various civilizations
that have flourished on the earth and the
causes of their rise and fall. He also
discusses the progress of the human race
and the various stages of its development.
The third part of the book is devoted to a
discussion of the various theories of the origin
of the world and the human race. The author
discusses the various theories of the origin of
the world and the human race and the
evidence in support of each theory. He also
discusses the various theories of the origin of
the human race and the evidence in support
of each theory. The fourth part of the book
is devoted to a discussion of the various
theories of the origin of the human race and
the evidence in support of each theory. The
author discusses the various theories of the
origin of the human race and the evidence
in support of each theory. He also discusses
the various theories of the origin of the
human race and the evidence in support of
each theory. The fifth part of the book is
devoted to a discussion of the various
theories of the origin of the human race and
the evidence in support of each theory. The
author discusses the various theories of the
origin of the human race and the evidence
in support of each theory. He also discusses
the various theories of the origin of the
human race and the evidence in support of
each theory.

White, on the contrary, as many of the native residents of Italy, die of consumption, as the same proportion of the inhabitants of Paris; and besides, when it attacks persons, living in countries of the temperature of Italy, it runs & through its various stages, in a much shorter time, than in France. Sudden changes in the temperature (an accusation to which the temperate regions must frequently plead guilty,) seems to be more injurious, than mere frigidities alone; and when to this we add moisture, we have that combination of circumstances, which is most conducive of a fatal termination.

The patient, then, need only take drugs, sufficient to insure the regular discharge, of the contents, of the alimentary canal. He must, however, go to a warm, dry and equal climate, and be careful to prevent the derangement of the functions of any of the organs of his body, and at the same time, sustain his general health, and the tone of his system. This is best done by living on a plain, easily-digestible, unstimulating, but nutritious diet; by clothing the body warmly; keeping the feet dry, and comfortable; employing the shower-bath regularly; avoiding all excesses, and indulgences; keeping

The first of these is the fact that the
the second is the fact that the
the third is the fact that the
the fourth is the fact that the
the fifth is the fact that the
the sixth is the fact that the
the seventh is the fact that the
the eighth is the fact that the
the ninth is the fact that the
the tenth is the fact that the
the eleventh is the fact that the
the twelfth is the fact that the
the thirteenth is the fact that the
the fourteenth is the fact that the
the fifteenth is the fact that the
the sixteenth is the fact that the
the seventeenth is the fact that the
the eighteenth is the fact that the
the nineteenth is the fact that the
the twentieth is the fact that the

regular, and early hour; remaining much in the
pure air, and taking exercise therein. This is the
course most likely to ward off its visitation.

But, most frequently, the advice of the physician
is not required, until the disease has become fully
formed. Can we, in this case, arrest its progress? Have
we, at our command, any remedies, by which we can
produce the absorption or resolution of the tubercular
matter? If every article, of the Materia Medica was
combined into one catholicon - whether this or any
one singly, is equal to the task of effecting the absorption
of a tubercle, in the lungs. Medicines, then, can do but
little, in this, as in the preceding stage.

If there be inflammation of the parenchyma
of this organ, a vein may be opened and a small amount
of blood abstracted; no more, however, than is sufficient
to counteract the inflammation. Mercury is highly
injurious; and should not be given to any scrofulous
or phthisical patient. Counter-irritants to the chest in
the form of blisters, setons, &c. are sometimes very useful,
when this part is painful; and when necessary to use
any, some ointment containing iodine, perhaps, acts more

The first part of the book is devoted to a general
description of the country and its resources.
The second part contains a detailed account
of the principal towns and their commerce.
The third part is a history of the country
from the earliest times to the present.
The fourth part is a description of the
climate and the natural productions of the
country. The fifth part is a description of
the manners and customs of the people.
The sixth part is a description of the
religion and the state of the sciences.
The seventh part is a description of the
arts and manufactures of the country.
The eighth part is a description of the
navigation and the trade of the country.
The ninth part is a description of the
military and naval strength of the country.
The tenth part is a description of the
state of the country at the present time.

beneficially than any other. Inhalations of iodine, chlorine, and kreasote, are sometimes, very useful, also; and, especially, when there is but little bronchial inflammation. Few drugs are administered to the stomach, and these are taken for their roborant properties. Iodine, iodide, or carbonate of iron, and arsenic, are occasionally given; but in doses sufficiently small, not to derange the functions of the digestive apparatus.

But, altho, medicine can do little, for the patient, management may do much. He should proceed to a more temperate climate, and follow the plan, laid down, for the preceding stage— spending his winters in warm, and his summers in mild, dry, and salubrious situations, or should take a sea voyage. If his circumstances prevented him from following this plan, he should take as much exercise, as possible, short of producing fatigue— that on horseback is most appropriate. The diet must not be stimulating but yet generous, and nourishing, with the habitual use of a small quantity of Wine, Brandy, Porter, or other stimulant.

The following is a list of the names of the
persons who have been appointed to the
positions of the various offices of the
University of the State of New York.
The names are arranged in alphabetical order
of the offices to which they are appointed.
The names of the persons who have been
appointed to the positions of the various
offices of the University of the State of
New York are as follows: -
The names of the persons who have been
appointed to the positions of the various
offices of the University of the State of
New York are as follows: -

After the softening process has been established, in the tubercle, all hopes of saving the life of the patient may be abandoned; for although such a result is sometimes witnessed, we must not expect it to occur frequently. To send him, when in this condition, to a southern climate, is to make him exchange the comforts, and conveniences of home, and the kindly offices, and sympathies of attached relatives, for a residence among strangers, with but few friendly hearts, to anticipate his wishes, and hands, to administer to his wants - to make him leave that spot, endeared to him by a thousand local ties, to die in a strange, and perhaps foreign land.

Yet, something, may still be done, to soothe the moment of an existence, speedily to terminate. Remedies may be employed to alleviate the most distressing symptoms. One of the most distressing of these is the nocturnal perspiration. A remedy, frequently used to combat this, is the dilute sulphuric acid; but this is inadmissible when there is a tendency to diarrhoea, as that is considerably

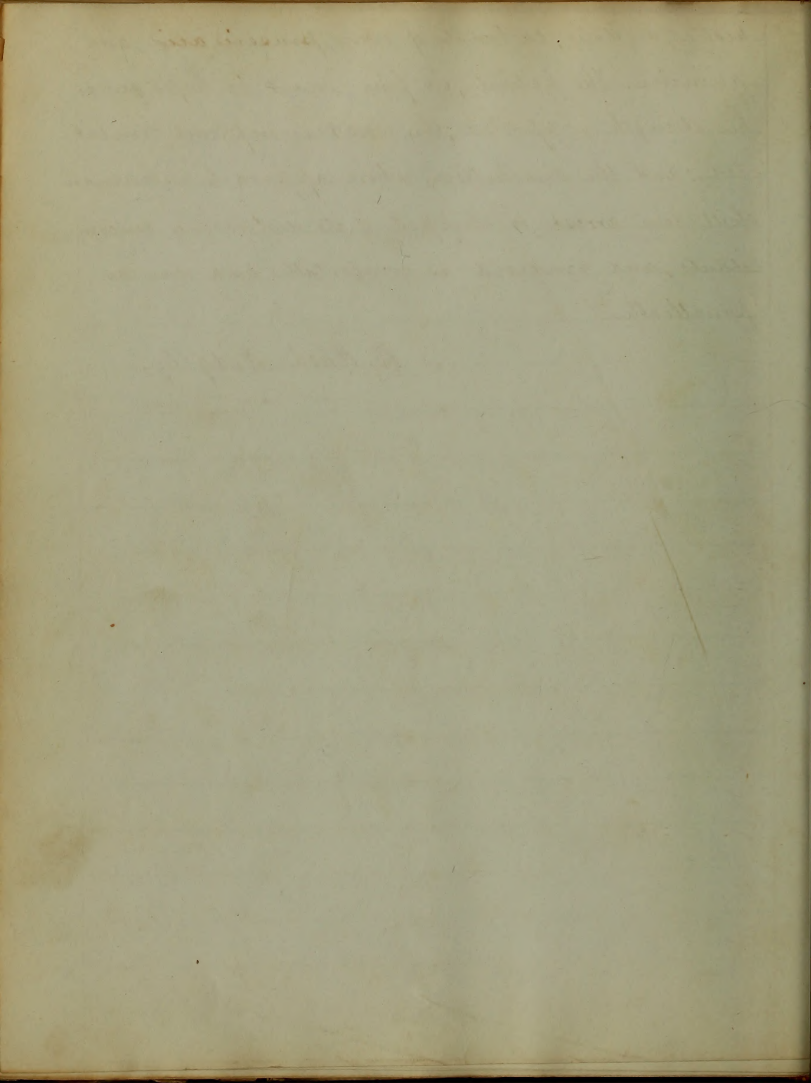
The first part of the paper is devoted to a general
discussion of the subject, and to a statement of the
principles which should govern the selection of
the material to be used. It is then shown that
the most important factors in the selection of
the material are the nature of the work to be
done, the quality of the material, and the
cost of the material. It is then shown that
the most important factors in the selection of
the material are the nature of the work to be
done, the quality of the material, and the
cost of the material.

increased thereby; but, if on the other hand, the bowels
are costive, this is an efficient remedy. If this should
fail, we must resort to some other, as the muciated
tincture of iron, or sponging the surface of the body,
in the evening with vinegar and water. The diarrhoea
may be combated, by the administration of the acetate
of lead, in combination with opium; or by kino, and
chalk; or rhubarb; or colomba, and lime water; or
sulphate of copper; or by starch *enmata* &c. We may
try some one of the foregoing list of remedies, and if it
stop the diarrhoea, our object is accomplished; but if
it fail (as will frequently happen) some one, or all of
the others, may be resorted to. The distress, arising
from a troublesome cough, may be mitigated, by using
mucilaginous demulcents; or anodynes, as opium,
and pargoric; or nauseants, combined with ano-
dynes; or syrup of wild cherry &c. &c. When there is
copious hæmoptysis, we must treat this by blood-
letting, astringents, cold, and other appropriate
remedies. For the nausea, and vomiting, hydro-
cyanic acid, or an effervescent draught, or a few
leeches, or a blister may be applied. And for the

[The text on this page is extremely faint and illegible, appearing as a series of light grey smudges and ghosting of characters.]

hectic, digitalis, carbonate of iron, prussic acid, and
quinine. The patient, in fine, must be kept quiet;
his strength supported; the worst symptoms combat-
-ted; and the dissolution, whose approach no human
skill can arrest, be stripped of its distressing concom-
-itants, and rendered as comfortable, and easy as
practicable.

B. Rush Ridgely.



47

An
 Inaugural Dissertation
 on
 Syphilis
 Submitted to the Examination
 of The
 Provost Regents & Faculty of Physic
 Of The
 University of Maryland
 For the
 Degree of Doctor of Medicine
 By
 Francis A. Cleft

Presented to the
House of Representatives
of the
United States
Department of the Interior
Washington, D.C.
1880

Dysentery

There are few diseases which come more frequently & immediately, under the notice of the Physician than the subject of this dissertation and none I may add, which has met with more injustice at the hands of those looked up to as the guardians of Health. The ravages of this disease have been felt in every age & clime: at one time clothed in mild & gentle form; at another we find it malignant & powerful baffling the profoundest judgement & most perfect Skill.

Thus has Science been caused to weep over objects of her peculiar care felled by the hand of omnipotent disease. The young physician in his first efforts must guard against the various theories which inundate the students path & render medical Science a labyrinth whence there is no exit. Such principles alone can guide him

There are few diseases which occur
more frequently & more extensively under
the notice of the Physician than the
subject of this treatise (the same)
and, indeed, it is not only more
prevalent at the South of the Atlantic
than at the Northern Hemisphere
The progress of this disease has been
well known ever ago existing at one time
in a mild & gentle form, at another
in a violent & dangerous manner
The first treatment of this disease
was by the use of the most powerful
Medicines which were then known
but the success was not very
certain, and the mortality was
high. The kind of treatment
the most of Physicians in this
country must have against the same
disease which is now the subject
of this treatise, and the result
was that the mortality was
high.

in his dimly lighted path, as we founded
on the best pathology which cannot dis-
appoint him at the bed side where he most
needs the aid of professional experience.
Such pathology too I may add as at
once furnishes the clue to the proper
remedies to aid the vis medicatrix nature.
Or if relief be not in our power, to
soothe at least the dying pang & smooth
the pillow of deaths icy couch.
Yet how often is the tyro driven into
Scilla as he is endeavoring to escape
Carybdis. But to the subject—

The history of Dysentery as it has
descended from age to age & clime to clime
would afford a theme too lengthy for
a dissertation ^{for} which neither time nor
space could be expected to be granted.
Nor is it my purpose to enter into
a discussion of the innumerable theories
which have occupied the brightest
stars that have ever adorned the medical
Horizon; suffice it to say that our

The history of England is a subject
which has occupied the thoughts
of all who have seen the island.
It is a subject which has attracted
the attention of all who have
visited it. It is a subject which
has been often the topic of
conversation. It is a subject
which has been often the
subject of dispute. It is a
subject which has been often
the subject of controversy.
It is a subject which has been
often the subject of debate.
It is a subject which has been
often the subject of discussion.
It is a subject which has been
often the subject of argument.
It is a subject which has been
often the subject of dispute.

most heart felt gratitude is due to those
zealous fathers of the ~~healing~~ art, whose
lives have been spent in searching for
truth, for whose gigantic minds no cloud
was so high that they could not soar above
& no depth so deep as to be fathomless—
Their writings are monuments more durable
than brass their fame justly equals the
world's extent: for what fame deserves
greater promulgation than that of him
who denies himself every comfort to
relieve the sufferings of his fellow man
Dysentery from its derivation properly signifies
a difficulty of or in the intestines; the
nature of which is inflammation of the
the parts affected, most frequently
the large bowels but often extending
into the surrounding parts

Not only do we find simple inflammation
involving the different coats of the digestive
tubes tuberculation & sphaeculous also are
not infrequently met with in autopsies,
an admirable specimen of which has been

exhibited to us by Professor Stokes in his lectures on this subject in Dublin.

In one case there was inflammation, ulceration and sloughing of the mucous coats in an other ^{the} whole surface of the Colon was covered with patches of coagulable lymph and it was the opinion of this learned physician that all the different coats participated in the inflammatory process except the serous.

These facts are not new for Hippocrates & Galen and a hosts of others agree most accurately as to the pathology & seat of this disease.

The fact of this malady visiting many places as an epidemic, furnishes more cases by which pathological knowledge may be gained, than any other except the cholera. Many well marked cases may be cited from the well known epidemic at Amsterdam from which I have selected the following as the most striking & because they show

exhibited to us by Professor Stokes in his lectures on this subject in Dublin.

In one case there was inflammation, ulceration and sloughing of the mucous coats; in another ^{the} whole surface of the Colon was covered with patches of coagulable lymph and it was the opinion of this learned physician that all the different coats participated in the inflammatory process except the serous.

These facts are not new for Hippocrates & Galen and a host of others agree most accurately as to the pathology & seat of this disease.

The fact of this malady visiting many places as an epidemic, furnishes more cases by which pathological knowledge may be gained, than any other except the cholera. Many well marked cases may be cited from the well known epidemic at Amsterdam from which I have selected the following as the most striking & because they show

most plainly the nature & ravages of the disease under consideration. In the case of a woman who fell a victim to dysentery from her own imprudence, we are told that there were ^{two} ~~glands~~ ^{glands} of the omentum which was of a dark livid colour, the duodenum and pyjunum were filled with bile, the ileum and colon were perfectly softened by the inflammation.

In the case of the son of Jacobus Fontanus the whole length of the colon was filled with ulcerations, the rectum itself being wholly involved, the coats being more or less corroded by ulceration.

In other epidemics we find that the glands of Peyer & Brunner are more particularly the seat of ulceration.

But it will be well to mention here the principle causes both proximate & remote which give rise to dysentery—

Aspenham were are told, believed that this disease was produced either by contagion or a check of perspiration

Others supposed that the larva of a species
of acaris caused the inflammation
and many thought that the presence
of Scybala in the colon gave rise to
the disease for which purging truly was
the only remedy of any value.

Cullen was of the opinion that cold
could not produce it without the aid
of contagion which must be previously
~~to~~ taken into the system & consequently he
considered the remote cause.

Happily however for the human family
modern pathology has drawn the curtain
from the hidden chambers of lethiferous
disease & pointed out the true nature
& treatment of this complaint.

Dysentery may be caused by fruits of
various kinds - change of temperature,
water impregnated with the different species
of the mineral Kingdom, intemperance
the presence of Scybala in the colon &
ileum; by excessive heat or cold - dampness
& more frequently by impudence in diet

It is supposed that the first of these
of which there are many specimens
and many thought that the presence
of deposits in the other parts of
the various parts of the body
the very nature of the disease
with the most of the specimens that are
could not be done it is not that
of which the most is to be found
to take into the system I am naturally
convinced the disease is
the only one for the human family
and the pathology is the same the same
from the other channels of circulation
there is a variety and the disease
is a treatment of the disease
the only way to cure it is by
the use of the most of the
and the disease is the same
of the disease is the same
the presence of deposits in the
which is the same as in the
and the disease is the same

the blood finding an obstruction to their natural outlets are forced to seek a weak point through which they may escape. Thus in a sudden check of perspiration we are told, that certain effete particles of the body are carried back into the circulation & finally poured out into the intestinal canal - which deserves some credit because it suggests a mode of treatment not unfrequently successful in the hands of a judicious practitioner. The season of the year too, at which the heated atmosphere acts on the liver, spleen & neighbouring viscera, upholds a doctrine though not entirely false yet not sufficiently seductive to bring many vatanism in its train, affording more scope for the speculative imagination and offering many truths to him who searches for true knowledge of disease in every theory presented to his well trained mind - Much information may be acquired from the theory of heat & cold in their action

The first finding in the examination of the
accounts submitted was found to be a
small amount of discrepancy between
them in a number of particulars
as the first item of the account
of the first year carried back into the
second year. It is also found that
the interest on the loan is not
correctly carried forward in the
second year. It is suggested
that a statement of the account
be prepared in the last of the year
in which the year is closed.
It is also suggested that the
amount of the loan be carried
forward in the first year of the
second year. It is also suggested
that the amount of the loan be
carried forward in the first year
of the second year. It is also
suggested that the amount of the
loan be carried forward in the
first year of the second year.

on the circulatory system, causing a greater or less determination of blood to certain parts of the body and thus destroying the equilibrium of circulation.

Thus in warm climates we find a determination of blood to the capillary vessels of the skin & in northern or cold latitudes this determination is to the viscera.

Some authors however pretend to say that these interruptions of circulation are effects rather than causes on the ground that "*ubi irritatio ibi fluxus humorum*", & that irritation being produced by some other cause there is a necessary determination of fluids to these parts.

In my humble opinion there must be some exciting cause to produce this irritation such as indigestible articles of diet, fruits that are not sufficiently ripe &c. Thus also is it that every author who has an idea of his own on the subject finds some pathological phenomenon to bear him out in his theory—

Malaria has been supposed to be an exciting cause, yet those who advocated this theory, have most signally failed to furnish proof, although the frequency of its occurrence in malarious districts seems evidence almost incontrovertible. Be this as it may, one thing is certain, that is, that the idea of malaria suggests no plan of treatment by which the invalid may be relieved of his sufferings. Among the most frequent causes, may be placed that of biliary derangement which is shown by white discharges when there is an absence of bile & dark watery evacuations when there is an excess of morbid bile, which derangements are frequently met with in warm climates & suggest most plainly the remedies to be applied.

The Humoral pathologist too claims our attention for with testimony as conclusive to his mind as Holy Writ to the Christian he firmly believes that impurities of

The symptoms of dysentery are so plainly
well marked that he who fails to recognize
it cannot boast of much power of diagnosis.
The principal ones are constant desire
to have an evacuation - great bearing
down, with great pain, the passages
being either light from absence of bile,
dark green from an excess of acid bile,
mucoserous, or bloody serum or scybala
which are brought away in large
quantities by purgatives.

To these may be added the general
Symptoms, such as fevers, rigors and
excessive pain which may be relieved
by pressure over the abdomen, thus
giving a diagnostic Symptom which
in cases of parturition or in ordinary
cases distinguishes it from peritonitis.
As to the diagnosis there are but few
diseases with which it may be confounded
these are diarrhea & cholera, in the first
of which there are copious discharges
in which the articles of diet pass

through the intestines in a state of indigestion - the length of time which they discharges continues is another distinctive symptoms - The symptoms of Cholera are too well marked to require any comment. It may also be confounded with hemorrhoidal flux, in which the discharges are so purely bloody that there is little or no difficulty in distinguishing between the two diseases. Having said thus much with regard to the history causes &c we may very appropriately say a few words concerning the treatment and modus operandi of the remedies used.

The treatment is as various as are the causes which produce ^{it} & he who thinks to cure every case by the same remedy will find when put to the test that he will be mistaken when it is too late.

Thus in the hands of quacks, routinists & empirics many valuable lives are lost when the truly scientific & judicious may have quickly given relief -

The treatment must, most undoubtedly be guided by the cause on a principle well worthy the consideration of the practitioner viz "causâ remotâ tollitur effectus."

It is true, there are very many cases which are of so mild a form as to require very little treatment except such ~~remedies~~ as are found in every well regulated family.

Whereas on the other hand there are cases of so severe & violent a type as to require the utmost skill of the physician to combat this disease successfully which in many cases proves fatal from want of timely application of the proper remedies.

In acute dysentery the treatment consists in allaying the general inflammation & pain for which purpose bleeding both general & local have been resorted with signal success. Thus pro re nata we bleed freely from the arm & if the fever do not yield readily the application of twenty or thirty leeches followed by

The highest court in the land
by the name of a principal
the constitution of the
court would be affected
It is true that the
acted out of the
regard very little
good intention as a
will uphold family
thereas on the other
order of the court
to maintain the
to protect the
in many cases
and applicable to
In order to
an attempt to
therefore the
ground that
signed the
which help
to set out
of which

anodyne poultices or emollient enemas;
the warm bath & in warm climates the
use of calomel with Dover's powder &
opium have been highly recommended by
the best authorities.

In such cases as are produced by
an absence of bile in the above evacuations
five or six grains of blue mass ^{2 or 3 times daily} in
combination with a half or a grain of
opium or five or ten grains of
Dover's powder will be found sufficient
When there is a copious discharge of acid
bile the following will be found an
admirable prescription &

℞ Hydr cum creta gr̄ xvij
Hydr Protochlor gr̄ ij
Pulv G. Opi gr̄ iij
" Specae gr̄ iij
Mafst Chart vi

of which one powder should be taken
every three hours until the stools become
natural & healthy in their appearance
Ptyalism should not be produced with
a view to the curative effect of mercury

With regard to chronic dysentery much might be said concerning the various modes of treatment, both practical & theoretical, but the short space allotted to a dissertation like the present prevents the addition of anything that is not actually necessary. In chronic dysentery our main reliance after the use of calomel as an attractive & the blue pill to excite a healthy secretion of bile, is in astringent tonics the best of which are the sulphates of copper, zinc & iron; the acetate of lead nitrate of silver & muriated tincture of iron.

Opiates have a deservedly great reputation in the chronic forms of this disease. The experience of many cases of which I have learned from him who has had considerable practice in chronic dysentery warrants the suggestion of his favorite recipe which is as follows.

℞ Argenti Nitrat^s griv M^o of pil xvj
℞ Pulv. G. opii grx one pill to be taken
℞ Pil Hydrarg 2i every three hours

In the form of this disease unpreceded by
diarrhea castor oil & emollient enemata
have been found very serviceable, because
in such cases we are most apt to find
that the dysentery is produced by the
presence of scybala which if they be
not speedily removed by cathartics
become such a source of mechanical
irritation as to produce sloughing of
the colon when they are most generally found.
The presence of scybala is known best
by the discharges being of a watery
mucous or bloody nature; there being
not infrequently shreds of fibrine.

When fruit has been the exciting cause
cooling medicines such as Rochelle salts
and antimony have proved sufficient
when followed by some gentle anodyne
As a matter of course abstinence from
fruits of all kinds is advisable until
every symptom has disappeared
In those cases which are produced by
improper articles of diet, such as stale

The object of the present report is
to describe the progress of the
work done during the year 1880
in the department of the
Secretary of the Interior
in relation to the
Indian Affairs
The report is divided into
two parts, the first
containing a general
statement of the
work done during the
year, and the second
containing a detailed
statement of the
work done in each
of the several
branches of the
Department
The first part of the
report is divided into
four sections, the first
containing a general
statement of the
work done during the
year, the second
containing a statement
of the work done in
the Department of
the Interior, the third
containing a statement
of the work done in
the Department of
the Treasury, and the
fourth containing a
statement of the work
done in the Department
of the War
The second part of the
report is divided into
two sections, the first
containing a statement
of the work done in
the Department of the
Interior, and the second
containing a statement
of the work done in
the Department of the
War
The report is printed
by the Government
Printer, Washington,
D. C., 1881

meats, sour bread or treat made from
a bad quality of flour the treatment
is similar to that before mentioned together
with total change of diet.

The same ^{may} be said of dysentery produced
by vitiated water, in which case change
of place has alone frequently been
sufficient to arrest the disease.

As to that form of dysentery produced
by check of perspiration the very
cause suggests the plan of treatment
It immediately suggests itself to the reflective
mind that the warm bath & sudorifics
are our main remedies. Dover's powder
warm poultices, cloths wrung out in
warm water & applied to the abdomen
wrapping the patient in warm flannel
or warm fomentations of hops & whiskey
apply in flannel cloths.

The warm foot bath with the addition
of mustard or cayenne pepper, has
been found to be a most excellent
adjvant in such cases.

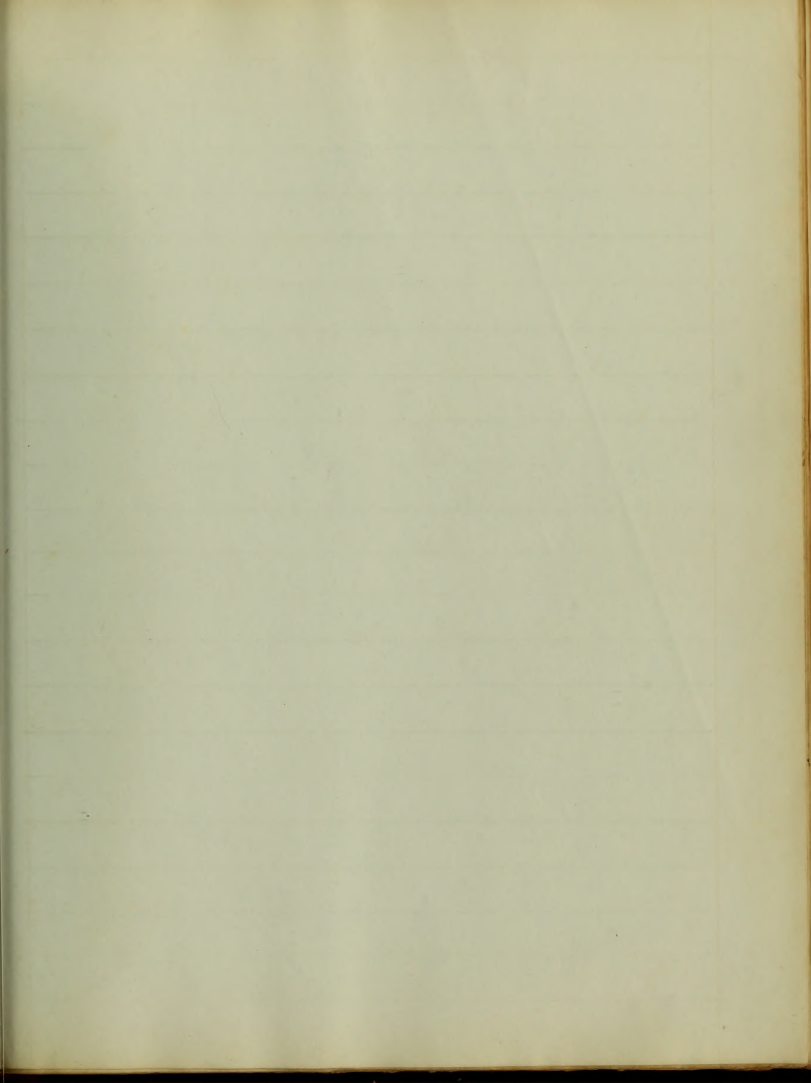
...the first part of the ...
...the second part of the ...
...the third part of the ...
...the fourth part of the ...
...the fifth part of the ...
...the sixth part of the ...
...the seventh part of the ...
...the eighth part of the ...
...the ninth part of the ...
...the tenth part of the ...
...the eleventh part of the ...
...the twelfth part of the ...
...the thirteenth part of the ...
...the fourteenth part of the ...
...the fifteenth part of the ...
...the sixteenth part of the ...
...the seventeenth part of the ...
...the eighteenth part of the ...
...the nineteenth part of the ...
...the twentieth part of the ...
...the twenty-first part of the ...
...the twenty-second part of the ...
...the twenty-third part of the ...
...the twenty-fourth part of the ...
...the twenty-fifth part of the ...
...the twenty-sixth part of the ...
...the twenty-seventh part of the ...
...the twenty-eighth part of the ...
...the twenty-ninth part of the ...
...the thirtieth part of the ...

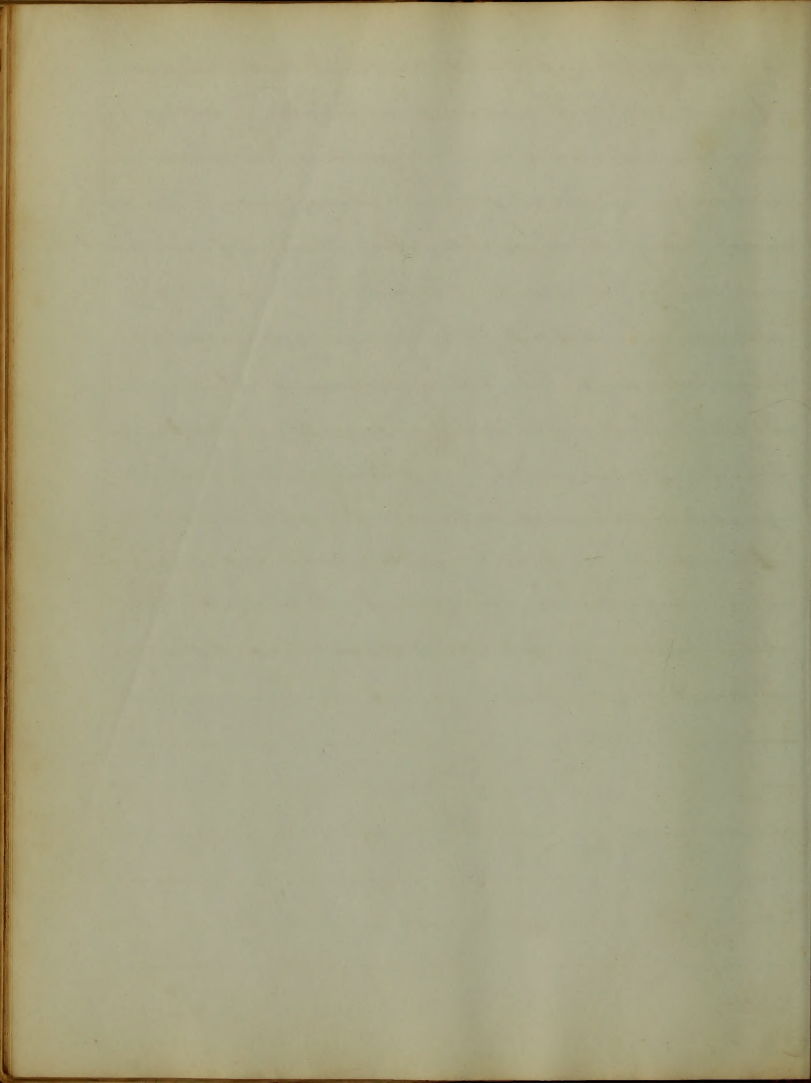
to be followed by demulcent or mucilaginous drinks which exercise a soothing & sanatory influence over the digestive organs.

Change of air, sea bathing, and the like are very serviceable. The change from a warm to a cool climate is very highly recommended by the most eminent practitioners in the Southern States.

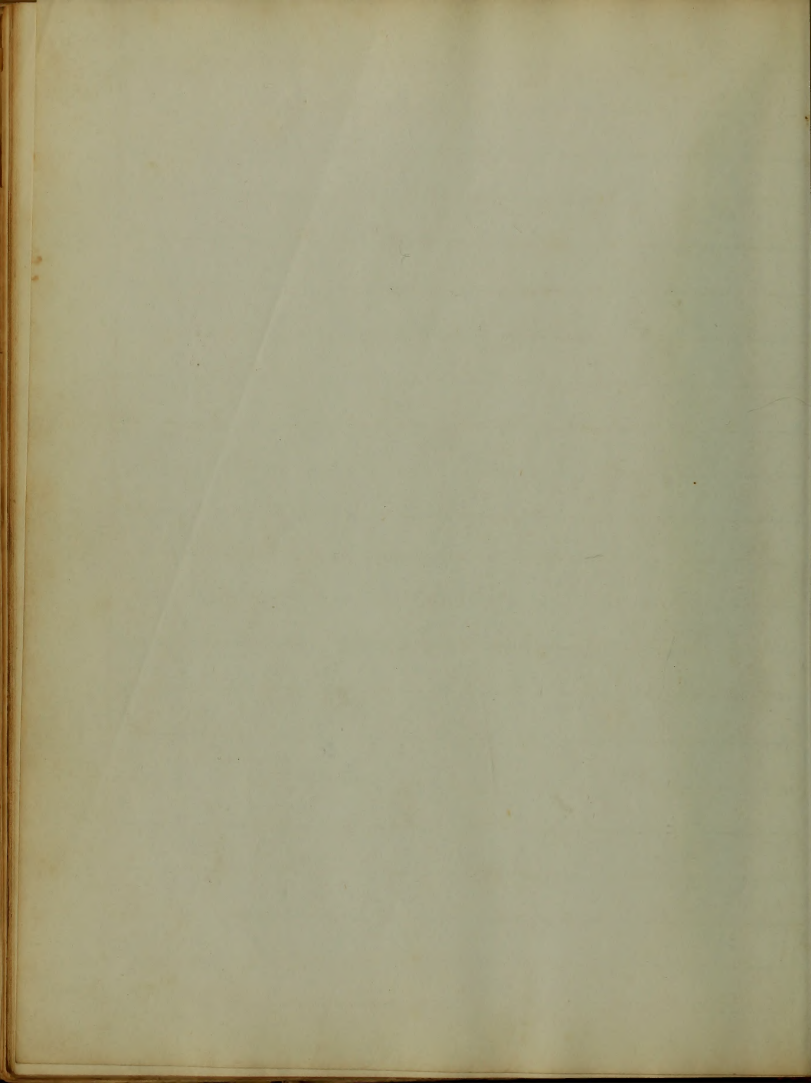
With these remarks, simple indeed in their nature, the author submits his first & almost abortive attempt to those whose kind endeavors to instruct him in the healing art, demand the warmest gratitude & most heartfelt thanks.

I have the honor to acknowledge the receipt of your letter of the 10th inst. in relation to the proposed change of the name of the company. The change from the present name to a more descriptive one is a very desirable one and I am glad to hear that you are so much interested in it. I will be glad to see you at the office of the company at any time and will be glad to discuss the matter with you. I am, Sir, very respectfully,
Your obedient servant,
J. W. [Name]





My
dear Sir
I have the honor to acknowledge
the receipt of your letter of the
10th inst. in relation to the
proposed extension of the
University of Maryland
to the District
of Columbia
I am very glad to hear
that you are so interested
in the cause of
higher education
in our country
I am, Sir, very respectfully,
Your obedient servant,
Wm. W. Wood



An
Inaugural Dissertation
on

Scarlatina.

Submitted to the examination
of the
Provost, Regents & Faculty of Physic
of the

University of Maryland
For the Degree

of
Doctor of Medicine
By

Henry A. Lilly

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

No disease in the whole tribe of Exanthematata has attracted more attention, by scientific writers than scarlatina. It may, and undoubtedly has been, considered by some even eminent and respectable authors, as a disease little deserving, of our attention; and one too, strange to say, seldom or never fatal. Independent of this, I cannot but rank it among the many numerous and fell destroying malarias, which by year after year carries off so hundreds, victims to its deadly poison. But whence comes it, that so many foolish and unfounded conjectures have, may even continue to emanate from the minds of wise and great men (for so they are called) respecting the fatality or non-fatality of diseases? I cannot tell unless it be simply from the want of experience, or of experience was granted them, they were unable to gain thereby; hence it is, why scarlatina was for a long time ~~there~~ considered as a simple and harmless disease, requiring, "little or no attention!" And it would seem, as even yet to be looked upon by some, as unworthy of notice: We see it overlooked by many of our

The following is a list of the names of the persons who
were present at the meeting of the committee on
the 10th of March 1844. The names are arranged
in alphabetical order of the surnames. The names
of the persons who were present at the meeting
of the committee on the 10th of March 1844
are as follows: [The following names are extremely faint and difficult to read, appearing to be a list of names.]

able and eloquent Lecturers, in the Public Schools, and
passed by without even taking a glance at its pe-
culiar nature. And why this? is because, it is often
the approbrium of our art; surely not because, it
is a harmless complaint - And easy to cure.
Though it was once believed, that scarlatina was no
thing more than a simple disease requiring
only common attention, quiet, and simple diet,
we are now taught to learn that it has its feeling
as well as Veniola. Few writers will now venture
to affirm that the disease under consideration
is, as it is too frequently witnessed, nothing more than
a common rash attended with little or no febrile
symptoms, and of course requiring a treatment
simple and easy. True, this may hold good in the
simple variety, where undoubtedly the disease
would be more likely, aggravated than relieved by
the nimia medicæ diligentia. But how different do
we find Scarlatina Anginosa, and still more in the ma-
lignant grade; what a wide contrast do we behold
in the two forms of disease, not in nature, but in
the violence of their characters, should our treat-

The first of these is the fact that the
the second is the fact that the
the third is the fact that the
the fourth is the fact that the
the fifth is the fact that the
the sixth is the fact that the
the seventh is the fact that the
the eighth is the fact that the
the ninth is the fact that the
the tenth is the fact that the
the eleventh is the fact that the
the twelfth is the fact that the
the thirteenth is the fact that the
the fourteenth is the fact that the
the fifteenth is the fact that the
the sixteenth is the fact that the
the seventeenth is the fact that the
the eighteenth is the fact that the
the nineteenth is the fact that the
the twentieth is the fact that the

ment in this variety be restricted merely "to simple diet and rest," our patients would too often be left to the care of Nature alone, without the assistance which art can certainly in many cases afford. Yet as regards the treatment of Scarlatina Maligna much is still to be learned, a wide field is yet open to "speculators"; but it is only open to the wise, experienced and judicious practitioner, for the fruitless labours of the ignorant are worse than nothing, and attended by far more evil than good.

But enough of this; we have seen fully into the disease to make it interesting, and at the same time not a little deserving of a moderate share of our attention. Its frequent and appearance, and its fatal tendency have indeed claimed the exertions of many learned and highly respectable practitioners, and actuated them to trace deep its nature and to enquire into the most successful mode of treating it.

Though many learned and proacise ~~worthy~~ men, have made Scarlatina their particular study, yet nothing seems diffinid or certain relative

Handwritten text, likely bleed-through from the reverse side of the page. The text is extremely faint and illegible due to the low contrast and fading of the ink. It appears to be a continuous paragraph of text, possibly a letter or a journal entry, but the specific words and sentences cannot be discerned.

to the history of scarlatina, save that for many years it was confounded with Rubella, and considered by the ancients as one and the same disease, or rather it was looked upon as a variety of Measels. This impression seems to have been retained by Medical men until the close of eighteenth century; In the middle of the nineteenth century, the ridiculous question was asked, why the disease sometimes appeared as "small pox" and at others as Measels. Sir Wm. Watson, in 1769 was unable to appear to distinguish, or at least if he was able, did not make any distinction between the two diseases. Even Morton deemed the name of Scarlatina and wished its appellation to be rescinded for ever from the list of Nosology?

Dr Bateman thinks, no accurate distinction was made between the two affections until the second Edition of Withering's essay on Scarlatina in 1793. Dr John Watson states that the first characteristic difference between Scarlatina and Measels was first fully specified by Withering. All this seems very strange, even to the young student; I cannot think it possible

that man of experience and learning, whose views were spent in the observation of diseases, could with the least expense of their judgement, suppose Scarlatina and Rubicula to be identical! But such was indeed the case, and we can do no more than wonder at the ignorance of our forefathers; for such appears to be the cause of Science, the present laugh at the past, and those to come will laugh at the present.

Scarlatina Ever since it has been described as a separable and distinct disease, has been divided into three varieties and by some into four which are first—

Scarlatina simplex when there is little or no febrile action cutaneous eruptions appears in the usual mode, but the mucous membrane of the throat remains free from inflammation

The second variety, is when the symptoms are of a highly inflammatory nature, fauces and throat red and highly inflamed constituting Scarlatina maligna

In the third grade the symptoms are still of a more violent nature, the eruption livid & partial, fever of a typhoid aspect, accompanied often with great depression; tumefaction sometimes of the cervical and ^{parotid} glands &c. This is

Variety has received the name of Scarlatina Maligna.
The fourth grade is simply the disease without the
eruption coming out upon the external surface,
but confining itself entirely to the mucous membrane
of the throat and fauces, it is called as its name imp-
ly Scarlatina sine Eruptione.

Thus we have Scarlatina appearing under every grade of
violence, from the simplest and least dangerous to the most
violent Malignant and fatal disease. Its symptoms
too range on (multiplied degrees) from ~~the~~ a slight inflam-
matory attack to a low and highly dangerous Typh-
oid depression; thus constituting the disease one
to be divided into separate divisions and each
one respectively to be studied and pointed out in
their various and distinct forms, which assist as ma-
terially in making up our prognosis and adapt-
ing our treatment to each one.

When the human system becomes influenced by the po-
ison of Scarlatina, it may either show itself upon the mu-
cous membrane of the fauces or upon the surface of the skin, and
confine itself solely to one or the other of these tissues, "Acting
too according to the well authenticated law of poisons

The first part of the book is devoted to a general
description of the country and its resources.
The second part contains a detailed account of the
history of the country from the earliest times
to the present day. The third part is devoted to
a description of the principal cities and towns
of the country. The fourth part contains a
description of the principal rivers and lakes
of the country. The fifth part is devoted to
a description of the principal mountains and hills
of the country. The sixth part contains a
description of the principal forests and parks
of the country. The seventh part is devoted to
a description of the principal minerals and
fossils of the country. The eighth part
contains a description of the principal
industries and manufactures of the country.
The ninth part is devoted to a description
of the principal educational institutions of
the country. The tenth part contains a
description of the principal public buildings
of the country. The eleventh part is devoted
to a description of the principal public
works of the country. The twelfth part
contains a description of the principal
public charities of the country. The
thirteenth part is devoted to a description
of the principal public libraries of the
country. The fourteenth part contains a
description of the principal public museums
of the country. The fifteenth part is devoted
to a description of the principal public
gardens of the country. The sixteenth part
contains a description of the principal
public parks of the country. The seventeenth
part is devoted to a description of the
principal public squares of the country.
The eighteenth part contains a description
of the principal public streets of the
country. The nineteenth part is devoted to
a description of the principal public
markets of the country. The twentieth part
contains a description of the principal
public fairs of the country. The twenty-first
part is devoted to a description of the
principal public festivals of the country.
The twenty-second part contains a
description of the principal public
celebrations of the country. The twenty-third
part is devoted to a description of the
principal public games of the country.
The twenty-fourth part contains a
description of the principal public
sports of the country. The twenty-fifth
part is devoted to a description of the
principal public amusements of the
country. The twenty-sixth part contains
a description of the principal public
entertainments of the country. The
twenty-seventh part is devoted to a
description of the principal public
concerts of the country. The twenty-eighth
part contains a description of the
principal public operas of the country.
The twenty-ninth part is devoted to a
description of the principal public
dramas of the country. The thirtieth
part contains a description of the
principal public comedies of the country.
The thirty-first part is devoted to a
description of the principal public
tragedies of the country. The thirty-second
part contains a description of the
principal public farces of the country.
The thirty-third part is devoted to a
description of the principal public
pantomimes of the country. The thirty-fourth
part contains a description of the
principal public ballets of the country.
The thirty-fifth part is devoted to a
description of the principal public
operettas of the country. The thirty-sixth
part contains a description of the
principal public musicals of the country.
The thirty-seventh part is devoted to a
description of the principal public
theatricals of the country. The thirty-eighth
part contains a description of the
principal public plays of the country.
The thirty-ninth part is devoted to a
description of the principal public
comedies of the country. The fortieth
part contains a description of the
principal public tragedies of the country.
The forty-first part is devoted to a
description of the principal public
farces of the country. The forty-second
part contains a description of the
principal public pantomimes of the
country. The forty-third part is devoted
to a description of the principal public
ballets of the country. The forty-fourth
part contains a description of the
principal public operettas of the
country. The forty-fifth part is devoted
to a description of the principal public
musicals of the country. The forty-sixth
part contains a description of the
principal public theatricals of the
country. The forty-seventh part is devoted
to a description of the principal public
plays of the country. The forty-eighth
part contains a description of the
principal public comedies of the
country. The forty-ninth part is devoted
to a description of the principal public
tragedies of the country. The fiftieth
part contains a description of the
principal public farces of the country.

or "things obnoxious to the system VIZ, that they may exhaust themselves on one or more of the tissues they usually affect, without involving the whole series; and they act with greater or less intensity, according to the peculiar idiosyncrasy of the patient."

Let us now enquire into the symptoms of Scarlatina simplex, which though simple, are not less unimportant; Well what can we expect to find. - A simple inflammatory excitement, which is indeed is sometimes so slight as to escape notice; but usually there is a quick pulse slight encasing chills, alternating with flushes of short duration; nausea, and not infrequently vomiting; pain in the head; and sometimes delirium; skin hot and dry; pain in the loins; and sometimes some aching or even in the extremities; the tongue in Scarlatina simplex as well as the Anginose variety does not differ, being covered with a thick white granular fur, with minute red papules projecting through its white surface; the edges likewise present a bright red appearance. After the first twenty four hours the peculiar eruption so characteristic of the disease comes out, first upon the mouth face and neck and then

upon the extremities; often the cutaneous membrane does not suffer alone, it may even show itself upon the surface of the mouth, nostrils, and fauces, and may also be seen sometimes upon the albuginea. The eruption consists of innumerable red spots, which in 24 hours spread over the whole body, coalescing, and multiplying until they give ^{the body} a uniform red appearance, looking, as Armstrong says, like a boiled lobster. As the skin upon the flexures of the joints is thinner and finer than elsewhere, we may expect to find the eruption here more evident; the limbs also present a beautiful eruptive appearance. In some cases the eruption is uniform and continuous; in others the diffusion is irregular, leaving the inter-spaces free and in a natural state, and generally more uniform upon the trunk, than extremities; frequently upon close inspection we detect a roughness, something like the Cutis asserina, of the cold stage of Ague; which is owing to enlargement of the Miliary glands and papule of the skin; not unfrequently when the rash has shown itself regularly and diffused over the whole surface, we have a regular abatement of all the symptoms, the disease making

hasty strikes to terminate happily.

The regular course of the disease, in the majority of cases is as follows. On the second day the eruption makes its appearance, on the third it has spread all over the body, reaching those spots which were before untouched; on the fourth the vesicles stand out, fully developed.

The fifth day brings with it a declining state of the fever and eruption, which continues until about the seventh, when we generally find the patient free from the disease. But we must not expect to find this regular a-batement and speedy course in every case.

The skin commences to desquamate on the eight or ninth day, coming off sometimes in large flakes, leaving a tenderness of the whole surface.

The sudden transformation of exanthema simplex into the third and highly dangerous grade, which sometimes happens is accounted for by the distinguished Dr. Armstrong, in a plausible and seeming correct manner thus. "Simple excitement may readily produce inflammation, and in fact is the most frequent cause of it, for if there be a latent weakness in any organ, the simple excitement if not moderated it

sure to give rise to inflammation!!

Frequently scarlatina is accompanied in its simple form, with slight derangement of the throat or fauces; the patient directs our attention there, and complains of some little uneasiness, which at most, however ^{it} being slight, and not infrequently escapes notice. Should, however, the throat be found, to be obviously involved, then we have what authors call scarlatina Anginosa.

This variety is an augmentation of the febrile symptoms of the first stage, accompanied with derangement of the throat. Frequently, if not always, we have in the commencement of this grade, violent pain the head; a sense of oppression about the heart; muscular prostration; stiffness and a dull heavy pain in the muscles of the neck, and in the regions of the submaxillary and parotid glands, which we doubt are somewhat affected: there is also nausea and vomiting. But the most distressing symptoms arise from the affection of the organs of respiration and digestion. So that they perform their offices with difficulty. On closely inspecting the interior of the mouth, we will find the fauces highly inflamed and swollen. The palate, uvula and tonsils red and enlarged: the

being presenting a bright red aspect, particularly at its
edges and tips. And thus as the symptoms progress in their
course the disease becomes more and more intense; the pulse
becomes frequent and quick, but not so tense, full and big as
is in the simple variety; thirst pretty urgent; temperature of the
surface increased above that of any other febrile complaint
so that it is sometimes found above one hundred and eighty of F° .
There is also at this advanced stage of the disease, restlessness,
languor, delirium severe pains in the head, and such like
symptoms throughout the whole course of the disease.

The eruption may not come out until the third day, and
very frequently when it does appear, it only comes out par-
tial, at other times it stands out boldly for a short time,
and then suddenly disappears, at irregular and uncer-
tain intervals, without however effecting any corresponding
alteration in the general features of the complaint. Thus
protracting the disease to much longer time, than when
it appears at regular and in its simple form. Sometimes
the rash is very slight; while the throat suffers very
considerably, and in this case we may have no disqua-
nitation at all. Superficial ulcers are sometimes seen
upon the tonsils, which however do some times extend to much

[The text on this page is extremely faint and illegible due to fading or bleed-through. It appears to be a multi-paragraph document.]

trouble. It is stated however that whenever the fever abates as early as the third, fourth or fifth day, we do not see those ulcerations of the tonsils or palate, the inflammation and tumefaction passing off harmlessly.

The fever too not infrequently presents the appearance of ulceration, which is caused by the excessive viscid mucus which is constantly secreted and settles in white patches upon the inflamed surface, they look indeed very much like ulcers, but we must not be deceived and take these excessive thick portions of lymph for ulcerations, if we do we will often be mistaken; though we indeed see sometimes, here sloughs in this grade, but not so frequent as some may imagine; and when it does come on, it is almost always followed by extreme debility. But as the febrile symptoms abate, these small ulcers take on themselves a healthy nature, and readily heal; Should they however grow worse and take on a more malignant character, becoming brownish, they throw out an acid sanious fluid, which gives the patient much trouble; a troublesome and painful discharge may superseem with time, the inflammation extending down the trachea and death may take place under

Handwritten text, likely bleed-through from the reverse side of the page. The text is mirrored and difficult to decipher due to its orientation and fading. It appears to be a letter or a formal document, possibly containing names and dates.

symptoms of acute tracheitis; The brain like wise may become complicated, during the eruptive stage, and fall into a deep and fatal coma. The abdomen may likewise become disordered attended with pain and uneasiness, vomiting, and eructations generally following and augmentation of the pains, Pulse quick, and respiration anxious. All these fearful aspects here continued for six or eight days. The abdominal symptoms, in some degrees subsided; pulse became quick & rapid and feeble. "Cold clammy sweats and universal collapse come on" with speedy death.

We now come to enquire into the features of Scorbula malarica. Though this variety commences with the two preceding grades, it soon assumes that violent typhoid depression so characteristic in this species of the disease. The appearance of the rash is often protracted, as far as the third and sometimes the fourth; when it first comes out, it has rather a solid look, assuming, as the disease advances, an dark and livid aspect; the eruption is generally partial; appearing, and disappearing, at irregular and uncertain intervals. Some times, it succeeds very suddenly, and in a day or two, or even in the short space of a few hours, reappears on different parts of the

surface; the duration of the eruptions is short, even when it does come out. In many cases, it is said by some, the first symptoms that warn us, (when this malarial type is about to set in), the patient feels a pungent heat of the surface, pulse hard and full "but becomes small, quick, and even languid as the disease advances". Intense and violent pain in the head, amounting almost to phrensy, face not infrequently tinged with livid flushes. As the disease advances the symptoms become more and more violent. Delirium sometimes takes us by surprise. After taking on an intermittent character, tongue dry, coated with a brownish fur; breathes often with foetid eyes somewhat inflamed presenting a dull heavy expression, and the patient may die under symptoms of disease of the brain. The tongue and mucous membrane of the mouth is covered with black crusts, the soft palate and tonsils, present a sloughing appearance which in the progress of the disease, often becomes very extensive and requiring a fearful aspect. The throat often also gives indication of much danger; indeed the source of all mischief seems to be hidden in this spot - at least the state of the throat is looked upon as the land mark, by many authors, by which we may

judge of the violence or non-violence of the malady. The throat in this variety acts the principal part - from this spot the deadly poison seems to spread, and gives new vigour to the disease, and renders it more violent and more fatal than ever. The throat presents a foul and sloughing appearance, breath foetid; an acrid sanious fluid is formed, and escapes from the mouth, nose, and trickles down the face, giving rise to inflammation wherever it touches. Respiration becomes difficult. Submaxillary and parotid glands more or less swollen. The cervical glands also swell and under the neck stiff. Petechia are seen; and diarrhoea may come on. If the disease rapidly becomes violent, the case sometimes collapses very soon, as early as the 4th or 5th day; the heat then sinks, and the animal powers rapidly fail. Hemorrhages and painful diarrhoea, set in, and the patient suddenly sinks. Sometimes we see the disease commencing in its most simple form, going on regularly and smoothly and with every prospect of terminating happily, when all at once it suddenly explodes, as it were, and the patient is seized with the violent typhoid affection.

As to the fourth variety, *Scarlatina sine Eruptione*, there need little to be said; it is merely *Scarlatina* affecting the throat only and not the sur-
=ace. Though some ~~indeed~~ the idea that such a state of things can ever exist, - others equally as respectable contend that it is as plausible for *Scarlet-fever* to appear without any Eruption as it is, for the same disease, to exist without any complication whatever of the throat. That there is such a form seems easy of admis-
sion, from this simple fact, - that persons taking on this fourth grade, have been known to transmit the complaint to others under a different grade that is, with a copious rash.

It is said that *Scarlatina* may occur in the same individual more than once. I do not know how this is. I have never seen one who has had it more than once, neither have I ever heard one say that he had had it more than once. No doubt many cases are supposed to be *Scarlet fever* when in fact they

are nothing more than subeola, that many, even now a days are unable to distinguish the two affections cannot be doubted, and thus it is why Scarlatina is said to occur more than once in the same person. However such a thing may happen, however it will never do for the unexperienced to contend against the experienced; and I therefore must stay contented, that such a thing can happen. & to

As to the contagiousness of this disease there is at present little or no difference of opinion unless it be among those violent-anti-contagious individuals, who in their foolish absurdity will admit of no such thing as contagiousness. Its contagious influence, is said, to be even worse than that of small pox itself. The poisonous effects of this loathsome disease may be got rid of in almost every case by pure and fresh air. But the deadly poison of Scarlatina may lurk deceitfully for months, under every precaution. Knowing then that the disease is contagious it is our duty at all times to give proper advice, and try

by judicious means to ward off if possible
the deadly poisons. Even in the simple form we
must not remain dormant, for from one who
may have this simple grade, a second may
catch that fatal form Scarlatina Maligna;
and from this a third, may be taken with
the second variety. So peculiar is its conta-
gious influence, but in my opinion this can-
not be owing simply to contagion or any
thing peculiar in its nature but merely to the
idiosyncrasy.

When Scarlatina attacks parturient women
it generally ends fatally. Dr Watson only saw
three cases recover from this terrible com-
plication. Though it seems strange that such
should be the case, it is nothing more than
what often happens to women in this condition
when attacked by many other diseases.

Diagnosis

We have stated before, that Scarlatina before was
at one time confounded with other eruptions, and
seldom treated of ^{as a} desperate affection, but the only

My dear Mother
I received your kind letter
of the 14th and was glad to hear
from you and to hear that you
were all well. I am well at
present and hope these few lines
will find you all the same.
I have not much news to write
at present. I am still in the
same place and doing the same
work. I am glad to hear that
you are all well and hope
these few lines will find you
all the same.

I have not much news to write
at present. I am still in the
same place and doing the same
work. I am glad to hear that
you are all well and hope
these few lines will find you
all the same.

I have not much news to write
at present. I am still in the
same place and doing the same
work. I am glad to hear that
you are all well and hope
these few lines will find you
all the same.

Complaint, in which there is any danger at all
of it being complicated with, or *Scarlatina Rubiola*.
And indeed it was formerly a very difficult thing
to distinguish the two affections; and if we look
still farther into antiquity we shall find, that
in those days of ignorance there was no such
thing as *Scarlatina*. The ancients placed a whole
Group of *Exanthema* under one ^{name} and Varieties,
that should have been ranged under one head
were considered as distinct diseases: Thus it
was with *Scarlet-fever* and *Measels*, they
were both considered as one disease, or rather
as varieties of the same affection, whereas *Scar-*
latina Anginosa, was considered altogether
as a distinct disease, and called by Cullen
of I must take note *Cynanche Maligna*; and
it was also for a long time designated as
the "Father-gill sore throat." But now hap-
pily, we have the three forms of *Scarlatina*
beautifully arranged under one head the
identity of which can no longer be doubted.

The only difficulty, that now seems to

Confirmed in which there is no change at all
 of being brought to the same level
 and in fact it was found that the
 the following are the most important
 the following are the most important
 in the way of improvement
 things mentioned in the same
 group of institutions under the same
 that should have been done under
 here concerning the subject
 as well as the other
 these have been mentioned in the same
 as being of the same nature
 later progress has been made
 as the first of these and each
 of the others and the same
 it was also in a long time
 the "the first in the world"
 first we have the three forms of
 in fact the same under the
 of what has been done
 The only thing left to do

exist, is to distinguish it from Measels, however, in my opinion, there is nothing to prevent us from making a correct diagnosis in almost, if not in every case.

In Rubiola we have the disease commencing from the very onset, with prominent catarrhal symptoms; there is a flow of thin liquid substance from the eye, and nose; Cough, Coryza and slight dyspnoea, before there is any appearance of any rash whatever. Whereas in Measles Scarlatina this is seldom, or never the case, we may it is very true sometimes have a slight flux from the nose, but never in any case until the eruption has come out. The affection of the throat gives also prominent symptom to Scarlatina, but in Rubiola there is no sensation of disease felt by the patient in these parts. Again.

The character of the eruptions of itself is often, if not at all times, sufficient to mark distinctly the nature of the disease, the

is not to be taken from the fact that
we have a very extensive knowledge of
the human mind & its various powers
of thought & feeling.

It is not to be taken from the fact that
we have a very extensive knowledge of
the human mind & its various powers
of thought & feeling.

It is not to be taken from the fact that
we have a very extensive knowledge of
the human mind & its various powers
of thought & feeling.

It is not to be taken from the fact that
we have a very extensive knowledge of
the human mind & its various powers
of thought & feeling.

It is not to be taken from the fact that
we have a very extensive knowledge of
the human mind & its various powers
of thought & feeling.

It is not to be taken from the fact that
we have a very extensive knowledge of
the human mind & its various powers
of thought & feeling.

Characteristic of Differences between the
rash of ~~the~~ Rubiola and Scarlatina is always
strikingly different; both as regards the
appearance of the eruption when out, and
the time of its appearing upon the sur-
face: the rash in Scarlatina generally
comes out within the first 48 hours; in Me-
asles it never appears until the third day
and still more frequently not until the
fourth day: the rash, too in Measles, is more
elevated, composed of small circular dots,
appearing like flea bites, and generally
in clusters, not so regular as in Measles
Scarlet-fever; In the latter the rash is
more elevated ^{regularly} diffused over the whole
surface, or sometimes assuming the appe-
arance of broad patches of intermediate
shape, whereas in the former it is scattered
appearing in patches, assuming an irregular
rescentic shape; the colour of the rash diff-
ers in a great degree also; in Scarlatina it is
of a livid red, resembling the fill of a boil

of a boiled lobster: in measles it is of a dark
hue, the patient looking, as if he were
smeared over with the juice of raspberry;
in the former the redness commences in min-
ute points, which quickly increase and group toge-
ther, so that they give to the surface an unifo-
rm redness; in the latter the papule are merely
seen in clusters, having portions of healthy skin
intervening; and lastly the sequelæ of Rubella
are generally the affections of the respiratory
organs; those of Scarlatina are, anasarca, dys-
rthiasis in the joints; inflammations of various
membranes) see to fourth.

Prognosis

The prognosis of the disease under consideration
must as a matter of course, be exceedingly various;
as the affection appears in its various forms, from
the least dangerous to the most fatal of maladies.
In the simple form little dangers to be feared from
the complaint itself; the only danger is, in case
secondary affections may be set up. But however
simple the disease may be when it first detains

we cannot be too cautious in giving our diagnosis
prognosis: for we must remember the disease is of
ten very fallacious, particularly in Epidemics
In *Scarlatina Maligna acutissima* our prognosis
is to be formed from the degree and extent of inflam-
mation present: Great tumefaction of the throat and
surrounding parts with the inflammation extending
to the air tubes; the mucous membrane presenting
a dark livid or brownish aspect - are generally
fatal indications. Some think the danger
does not depend arise from the throat, but "Dep-
ends almost entirely upon internal venous conges-
tion and visceral disorganisation" this may
be the case, but certainly when there is much
complication of the throat, danger is almost
always feared: oedema of the glottis is also
an unfavourable symptom. Early death is
not infrequently carried off the patient in a
few hours, particularly children. From the
appearance of the efflorescence we may often
form a pretty correct diagnosis; a palid or dusky
red eruption is *ectis parvibus* more dangerous

The account of the country in general was
propagated for the same reasons in the
last day following the first day of
the winter months and since the
so to be found in the high and
mountainous part of the mountain
descending from the summit to the
table at the base the mountain was
a dark brown in color and the
faintly visible in some places the
green of the forest from the summit
and about the base of the mountain
the mountain was greenish brown
the the part of the mountain
the appearance of the mountain
change from the base of the
the mountain was brownish
but the part of the mountain
the mountain was brownish
the part of the mountain
the mountain was brownish
the part of the mountain
the mountain was brownish

than when it is bright and uniform, and when the eruption is of a Strawberry tint, it is said to be an unfavourable symptom, when it appears and disappears, and also when it comes out in patches on different-parts of the Surge - are also symptoms, indicating some degree of danger; A too sudden disappearance of the rash, is also an omen, from which much mischief is to be expected. "When the faces become considerably tumified, accompanied with painful swelling of a bright red or livid colour; the prognosis, is better than when the parts are dark and livid without swelling, and difficult deglutition" When the ulcers take on a foul look, more danger is to be apprehended than when they assume that gray ash coloured aspect. The super-vention of gangrenous ulcerations ~~may~~ is truly an occurrence much to be dreaded; these ulcerations may appear on parts subjected to pressure, and they may often be found on the extremities. A quick and hurried respiration - frequent-pulse accompanied with great debility; bloody urine and stools, and serid ~~deflux~~ deflux from the eyes nose; Muttering

Delirium and Coma - are all symptoms indicating the highest degree of danger - Finally when there is regular abatement of the febrile symptoms - the pulse becoming calm; healthy emanations of the pores, disquamation of the Cuticle a speedy and happy termination may be expected

Treatment.

In the simple form of this disease, nothing more is required save a simple and unexciting diet, gentle and cooling purgatives, as in a word the essence of the antiphlogistic regimen, carefully watch the progress of the disease, and above all we must not be too officious, for often the simple form will do very well without any assistance whatever

In the more severe variety our treatment, differs as the grade and violence of the disease is more ^{acute} ~~severe~~ so the treatment must also be one of a more active nature keep the bowels well open, and should there be much derangement about the throat, the application of a few leeches will often do much good, which will relieve in some measure the head symptoms. Should the arterial excitement, attain a high pitch

of violence with much acrimony, blood should be cautiously taken from the arm; and when the skin is hot and dry we may use cold effusions or cold and tepid sponging. We are indeed extolled by many able practitioners to make free use of cold applications, in scarlatina. The most happy effects are known to have arisen from its judicious employment; the change is said to be almost magic; pulse becomes calm, the expressions of the patient less distressing; thirst less urgent; skin moist and cool, and then a gentle perspiration breaks out; and the little patient falls into quiet and refreshing slumber. When the febrile symptoms become very violent we are recommended to employ cold "by dashing cold water against the patient, or if this be objected to we may gain very advantage from frequent sponging every hour or two during the day. Ice to the head will also do some good.

When our case begins to sink under the depressing symptoms of scarlatina maligna all

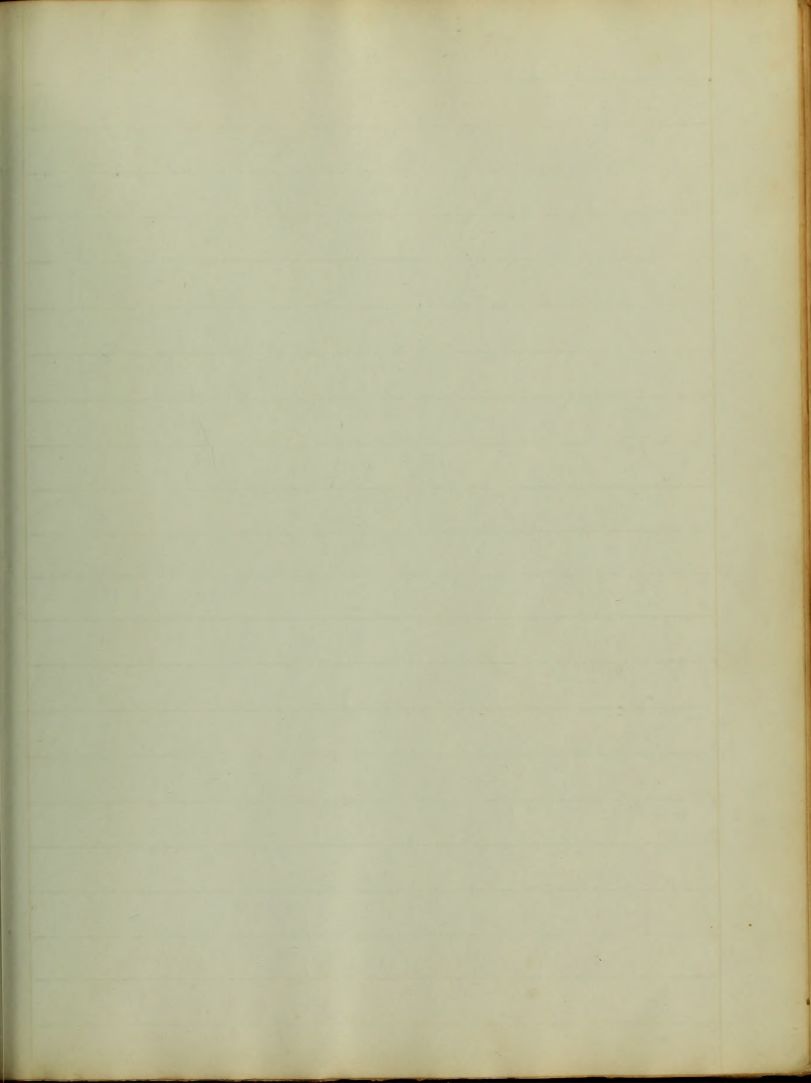
our efforts will too often disappoint us, for truly the most deadly plagues are not more fatal than this violent typhoid grade. Still however we must not despond, and leave our almost helpless patient to the care of nature alone; we may, and often can give a vast deal of assistance, when she seems little hope. If the patient is beginning to sink, we must make free use of Stimulants and Tonics. Wine seems to be our best remedy "in sustaining the flagging powers of the system" until we see some change for the better, Quinine may also be used in conjunction with wine.

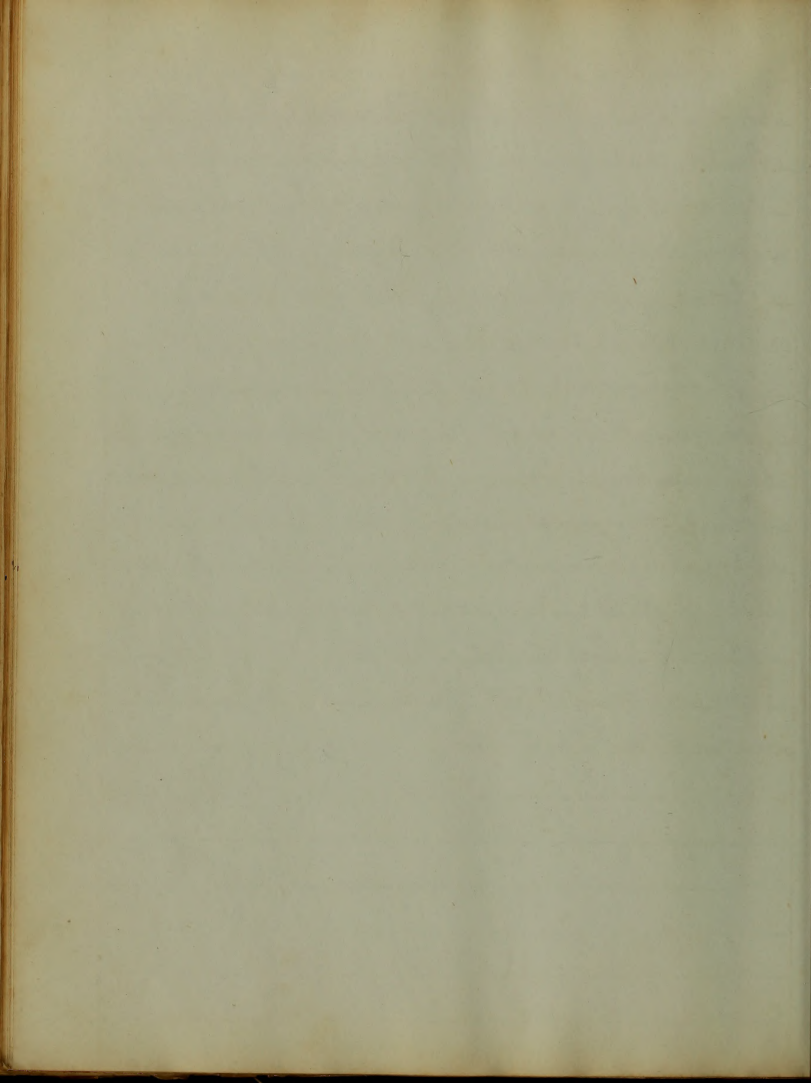
The Sesquicarbonate of Ammonia is also recommended by some, but wine appears to more useful if not more useful at least oftener recommended.

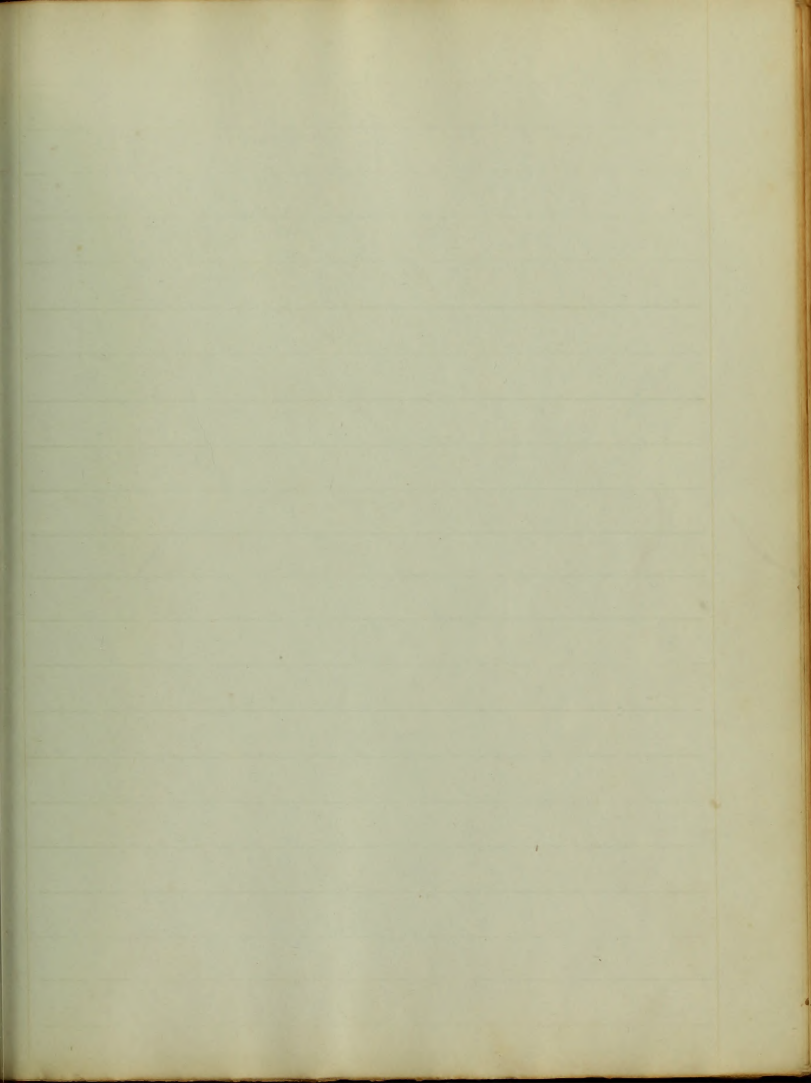
By carefully attending to the state of the throat we are often able to do much good by the application of local means; When on looking into the cavity of the mouth and upon the parts around ^{the} gangrenous ulcers, or little ash coloured shaghs upon the tongue we should make free use

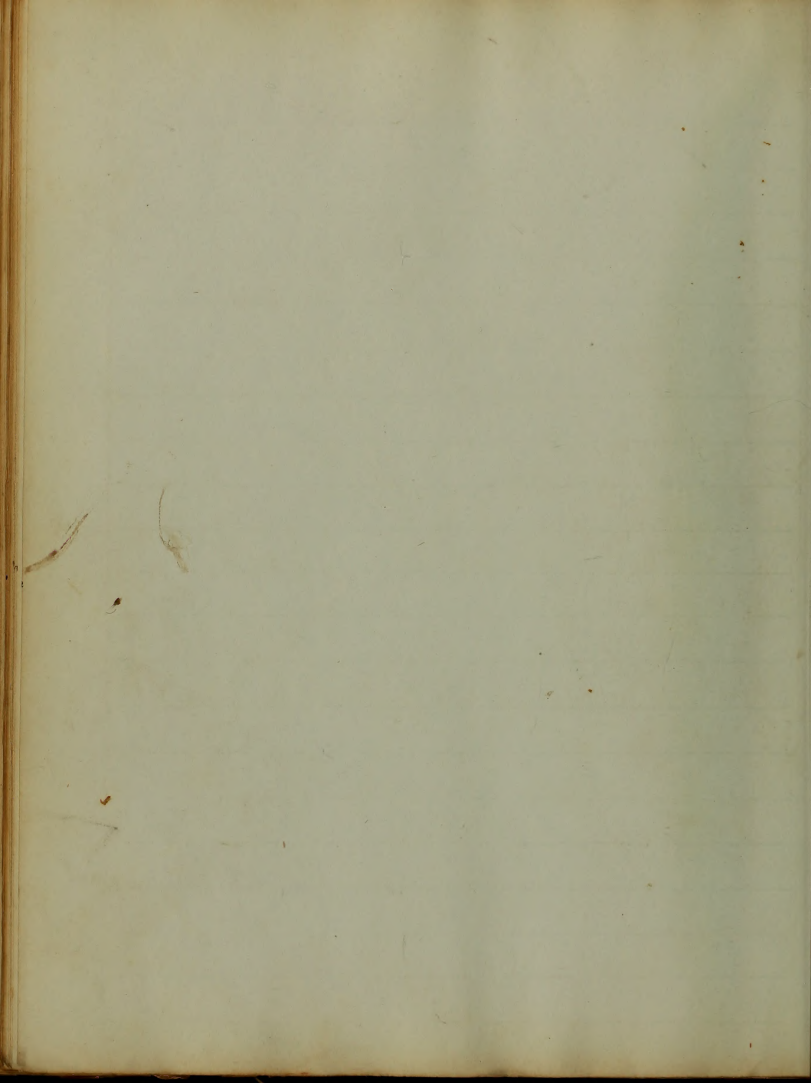
of gangles. The chloride of soda or pure licters of lime
will form as good applications as we can procure. In
ordinary cases, we may take two ounces of the common
solution of soda to a pint of water; but we must
always make our wash in proportion to the
violence of the ploughs if they are dense we
must make it strong, a least so strong that its
application may cause a little smarting.

We must through the whole course of the
disease keep the bowels moderately loose, with
cooling drugs, saline purgatives are of course
always recommended. Through the whole
course of the disease we must carefully
watch the local affections, and should any
arise, we must treat them according to their
nature and diversity.





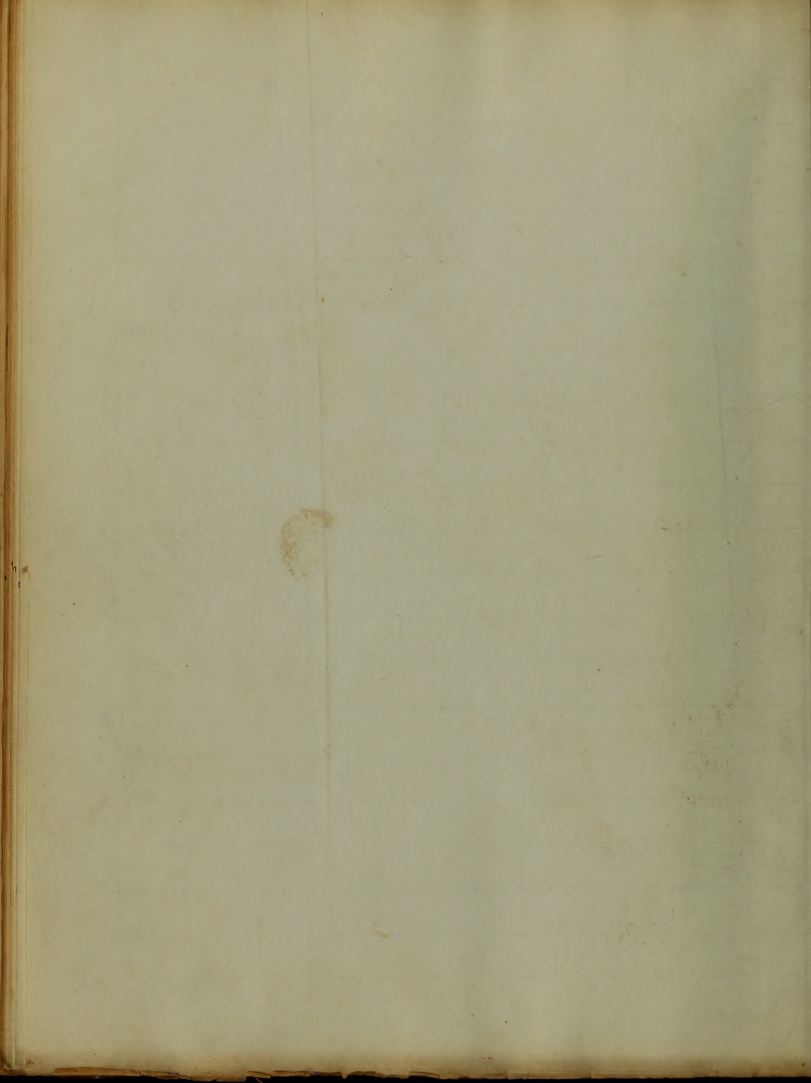




An Analytical Dissertation
on the
Physiological & medicinal
effects of Alcohol on the human
System.

Submitted to the Honor-
able Senate and Faculty of the
University
of Maryland
for the
Degree of
Doctor of Medicine

By
Wm. Hall



77
An Inaugural Dissertation
on the
Injurious or pernicious
effects of Alcohol on the human
System

Submitted to the Provost
Regents and Faculty of the
University
of Maryland
for the
Degree
of
Doctor of Medicine

By

Daniel Keller

As a general illustration
to the

principles of business
of the world in the
system

illustrated in the
principles and practice of the

University
of the

College
of

1771
Principles of

A Dissertation, on the Sympetious and pernicious effects
of Alcoholic drinks on the human System.
In presenting this I shall endeavor to explain
some of the laws which govern the influences of the
body upon the mind, and of the mind on the
body, showing what conditions of either induce and
Cause those of the other and point out the
consequences or penalties attached to the violation of
these laws and also show the effects of Alcohol or
intoxicating drinks of every kind and degree upon
the mental and Physical economy violating these
laws and thus inducing their penalties. First by
stimulating the body, and thereby the merely animal
-al nature of man and weakening his moral and
intellectual powers and by shortening human
life. That there exist reciprocal relations between the
body and the mind, each influencing and being
influenced by that of the other, for we are composed
of mind and body so closely united by the reciprocal
action by certain Physiological laws, that the

condition of each have a perfectly reciprocal and powerful influence upon the state of the other, each throwing the other in a corresponding state. Physical inaction induces mental sluggishness, whilst a due degree of exercise or labor clears the mental horizon of those clouds with which confinement or sluggishness envelopes it, producing a delightful flow of thought and feeling. Sickness enfeebles and health strengthens the mind. That these relations between body and mind are governed by certain invariable laws of cause and effect, given conditions of the one inducing and causing the corresponding states of the other. The principle that whenever a part of a given class of phenomena are governed by laws of cause and effect, every phenomenon of that class is governed by these same laws is a universal principle of nature and may be relied upon in every conceivable application. Are a few bodily motions caused by muscular contractions all are caused by the same contractions. That some of these relations existing between

[The text on this page is extremely faint and illegible due to fading or bleed-through from the reverse side. It appears to be a continuous paragraph of handwritten text.]

Mind and body are governed by laws of cause & effect is self-evident. Either there exist no relations of cause and effect between the two or else it is all cause and effect all antecedent and consequent for nature always makes thorough work or does nothing. Hence we can at any time throw either mind or body into any desired state by putting the other into its corresponding and we can no more put either into any given state without thereby throwing the other into its corresponding one, than we can arrest the operation of any other law of nature. And since the brain is the instrument of thought and feeling, its condition influences the mind more powerfully than those of all the other portions of the body united, to excite either faculty or organ is to excite the other, and as the stomach and brain are intimately related its state also powerfully influences that of the mind. In reference to the several parts of the body. As an organized being man is composed of three principal classes of organs

The vital or nutritive apparatus, namely the heart, lungs, blood digestive apparatus, embracing the entire system of inside organs, which manufacture vitality furnish animal vigor and re-supply the brain, nerves, and muscles with that vital energy which their every action compels them to expend. The locomotive apparatus embracing the bones &c, which constitute the frame work of the system gives it size and shape, and produces bodily motion physical strength &c, and finally the brain and nervous system, the exercises of which produce thought, feeling, sensation, nearly every form of physical pain and diseases are caused mainly by the deficient or excessive action of one or more of these functions.

When these are all well developed & equally balanced, there will be an abundant supply of vital energy to keep the animal economy in motion a proportionate supply of physical strength, love of exercise, and ability to labor, together with lively sensibility, intensity of feeling, and

power of thought, the result of which will be good health long life, physical enjoyment in the highest degree of which our nature is susceptible and a high order of natural talent. This development not only is perfectly adapted to the laws of nature and harmonizes with the constitution of the human mind, but also gives what is called sound common sense, correct judgment, and enlarged views of subjects, whilst its absence causes the intellectual lameness, the fallacious and diversified opinions existing among mankind. Having therefore given a few general remarks we will now go on and endeavor to show how alcoholic drinks affect and to some extent injure the healthy functions in the human system, that when taken into the system when every organ is performing its healthy function there is not the least doubt of its being injurious and bringing nature out of her regular course as well as corrupting the moral faculties. For alcohol not only stimulates the brain and

nervous system but it even burns the mouth
and irritates the lining membrane of the
first passages, when it reaches the stomach
it passes in part unchanged by absorption
through the abdominal or portal circulation
to that highly important organ the liver
which it morbidly excites or inflames,
it also impreges the lining membrane of
the stomach, duodenum, and by contiguous
and continuous sympathy up the ductus
Communis Coelocistern & through the
hepatic duct into the substance of the liver
and by over exciting and stimulating that
organ it soon becomes morbidly deranged
and in immoderate drinkers we frequently
find dropsical effusions as well as diseases
of the urinary organs &c. The exciting
properties of alcohol appear to be retained
for some considerable length of time after they
are taken into the system, this I think is
evinced by the stimulus and increased action
which it but temporarily appears to impart

To the whole animal economy. It is supposed
indeed believed beyond all doubt that it
passes unchanged into the blood having
the same effects on the living parts
with which it comes in contact in the system
that it has when applied to the surface.
It has been extracted from the blood by
chemical analysis, and found in the watery
secretions of the brain of drunkards after
death, and in some cases in such abund-
-ance as to send forth the strong alcoholic
smell. The question has frequently been
put or asked is alcohol digestible, and
in reply our most eminent Physicians have
always answered in the negative. And
again the blood thus surcharged with this
stimulant powerful as it really is, with
propriety might say this deadly poison for
such it ^{has} been proved to be, is brought into
direct contact with every part and particle of
the entire system, with every shred of every
nerve, and with every fibre of every muscle.

The ramifications of its vessels being almost incon-
-ceivably minute and numerous. The blood
thereof is indeed the life thereof. As is the state
of the blood, so is that of the whole system in
general, and of the brain, ^{and mind} in particular.

The same may be said is also substantially
true of the stomach. Its condition powerfully
affects that of the great sympathetic nerve, which
in its turn influences the entire system and more
especially the base of the brain. It is supposed
that about one seventh (as near as I recollect)
part of the blood of the whole system is sent to
the head, which is considerable more in proportion
to its size, than is carried to any other portion of
the human system. This I think is the universal
testimony of all eminent Physiologists. The reason
must (at least to every intelligent man of the medical
profession) be obvious. By a law of the animal
economy, every action of every nerve and muscle
every exercise of the brain or mind, causes a propor-
-tionate expenditure of vital energy. The blood
being the great medium for resupplying this

91
unhaunted vital energy, is most abundant when the
greatest exertion is demanded. Hence, since the
brain is the organ of the mind, and the irritating
effect of alcohol is most powerful, its exciting
properties are retained for some considerable length
of time after taken into the blood, and being there
is a much greater proportion of blood sent circulating
to the head than to any other part of the system.
The injurious effects of alcohol upon the mind
of man must be ~~the~~ most powerful & tremendous

However extraordinary man is as a merely physical
being, it is his intellectual and moral qualities
which constitute the chief end of his existence.

The man was made merely to eat & sleep, to
breathe and labor and die. He was created mainly
to think and feel, to ^{adore} his Creator and to study
his works. It is not the frail body, but it is the
intellectual and moral nature which constitutes
the manhood of man, all else is not worth
any thing. It is our minds our moral capabilities
our powers of thought and feeling, which constitute
our very essence and substance our personality

and identity, flesh and blood being dwelling only. Hence the exercise of mind is more fatiguing, more painful, more pleasurable than that of the body. Therefore the effects of alcohol are had in the very highest degree possible or imaginable, and had upon the very essence and soul of man.

Again, by a law of the animal economy to overtax any organ detracts the influence from the other portions, and concentrates it upon the laboring part. for instance an overloaded stomach draws the strength and energy from the brain, from the muscles, from every other part, to remove the load, rendering us drowsy dull and unuse to both mental and physical actions. Also mental application, powerful thinking and intense emotion impair the appetite retard digestion, and frequently induce dyspepsia, because they draw of the energies of the system to the brain. Now if this well established physiological principle applies to the several portions of the brain this prodigious

General history of the human mind
and the progress of the sciences
from the earliest ages to the present
time. In three volumes. By
Richard Owen. London, 1851.

The first volume contains the
history of the human mind
from the earliest ages to the
present time. The second
volume contains the history of
the progress of the sciences
from the earliest ages to the
present time. The third
volume contains the history of
the progress of the arts and
manner of life from the earliest
ages to the present time.

excitement of the animal passions actually weakens
the intellectual and moral organs, and that
at the very time when, in order to keep
pace with the overstimulated animal propen-
sities, thro' flushed up to the highest pitch
of action they require to be clothed with
unusual vigor. In case alcoholic liquors
excite each of the faculties alike, why do
they not render the pious man more so,
why are not all spirit drinkers, patterns of
piety and good morals, and also stars in
the firmament of intellectual greatness.

Not only does it not augment the talents
of the talented men, nor the literature of the
literary, nor make the profane pious, but it
actually reverses this state of things. It prostitutes
talent, beclouds the intellect, and before its
approach of literary attainments, intellectual
greatness, and moral purity are all
punish like the dew before the rising sun
It sometimes, though rarely a certain kind
of so called eloquence. whilst it is a sworse

12

enemy universally to good morals and to
all literary and intellectual attainments these
assertions are perhaps rather too sweeping but too
true on the other hand for innumerable
illustrations might be given. The inference then
becomes obvious and powerful and inevitable
That alcoholic drinks of every kind and
degree by stimulating the human system
thereby powerfully excite much the animal
nature of man, and weaken his moral and
intellectual powers the very conditions which
constitute a brute. No more can any human
being take alcoholic liquors in any form
and degree, without proportionally inducing
this result, without thereby brutalizing his nature
without degrading his manhood. As soon
will the deadly poison become harmless
or the water slide up an inclined plain of
itself, as alcoholic stimulants fail to produce
innocuity and to weaken the moral feelings.
nor is there any middle or moderate ground
every identical drop of alcohol has its legitimate

13)

its stimulating effect on the nerves, and through
them on the organs of the animal propensities.
So far as it goes at, just so far it goes towards making
a man a brute. The greater any gift or blessing is,
The worse it becomes when perverted; as reason
Gods crowning gift to man, when perverted becomes
a proportional instrument of evil and misery, man
thus brutalized, becomes vastly lower than a brute
and more miserable. Be it understood that whatever
contains alcohol be it the alcoholic drinks, such as
Rum, Gin, Brandy, Whisky, or any of the wines
both foreign and domestic or malt liquors, Strong
Beer, ale, porter, hard cider, and all every thing
containing alcohol in any form or degree, is
productive of this result in just that
proportion in which it contains this powerful
stimulant, this we repeat it deadly poison, for
it is the stimulating property that does the mischief
Therefore whoever drinks alcoholic stimulants in
any form or degree, arouses his animal passions,
and weakens his moral and intellectual powers
in proportion to the amount taken in the
System—

The following report on the progress and prospects
of the various departments of the service is
submitted to you for your consideration and
approval. It is divided into three parts,
the first of which contains a general
statement of the condition of the service
at the beginning of the year. The second
part contains a statement of the progress
made during the year, and the third part
contains a statement of the prospects for
the future. It is believed that the
service is in a better condition than
at any former period, and that the
prospects for the future are bright.

This principle harmonizes with and fully explains the
Phenomena of drunkenness. Beyond all question and in all
instances, drunkenness certainly destroys the moral feelings,
and weakens the intellect, whilst moderate drinking lowers
them in proportion. That alcoholic drinks excite the
animal propensities is a universal fact the vulgarity &
obscenity & licentiousness are proverbial with those who
drink, who ever saw a drinking party that were not
indecent in their allusions, given to the relation of obscene
anecdotes, and singing of lewd songs. They drown the
voice of conscience, blunt modesty, stifle the claims of
morality, of intellect & of all that is virtuous. It is seldom that
men fight unless excited by liquor. Byron says that
stimulants always rendered him savage and suspicious
More murders are committed through the influence of ardent
spirit than by all other causes combined. The calendars of
crime do testify on this point. It is the excessive exercise
of the animal propensities which subjects criminals
to the penalties of violation of civil law. It is by drinkers
that our courts are supported, does not most if not nearly
all our criminal happiness have its origin in drinking
But in case alcoholic drinks did not excite the merely

The present day is a day of great importance
to the human race. It is a day when the
wisdom of the ancients is being put to the
test. It is a day when the progress of
science is being made known to all
eyes. It is a day when the power of
the press is being felt in every
corner of the globe. It is a day when
the spirit of liberty is being kindled
in every breast. It is a day when
the heart of the world is being
united. It is a day when the
triumph of truth is being
achieved. It is a day when the
kingdom of God is being
established on earth.

animal passions or in case they equally stimulate the
moral faculties, or especially if they stimulated the mor-
al sentiments only, this state of things would be rational
and drinking would render man kind & virtuous
instead of most vicious. This principle explains the fact
that alcohol often renders a good man a real demon
incarnate. So long as the moral and intellectual organs pre-
dominate, no matter if the animal propensities are vigorous
if duly governed the more the better, for they impart force
When the two are about equal, with the moral in
the ascendancy, and the animal not stimulated all
goes right, but a little stimulant will turn the scales
and thus render a good man a very bad one, it never
renders a bad man a good one, nor an immoral
man virtuous, because it never stimulates the
moral & intellectual faculties more than the animal
feelings. Again over-excitement produces that confusion
which prevents the advantageous exercise of man's pow-
ers and by unloading both the muscles and the
brain with excitement, prevents the even, equal,
harmonious and advantageous expenditure of that
strength both mental and Physical, which is thus

unnaturally called forth. A depraved appetite inflames and diseases the stomach; this corrupts and inflames the blood which, by passing and exciting the body thereby stimulates the animal propensities and weakens the moral and reasoning powers. This is particularly true of Alcoholic drinks. These drinks are sometimes taken to drive sorrow or trouble but we see that they are particularly calculated to augment it, except that of a guilty conscience which they indeed do drive. Weaving endeavors to show that alcoholic drinks produce vice by stimulating an animal, and weakening our higher, noble powers, we reverse the principle and observe that they cause vice and misery, by paralyzing these organs. Alcoholic drinks shorten human life, every action of either brain or nerve, every exercise of thought or feeling or sensation, every motion of the body, every contraction of every muscle, in every function & exercise of the animal or mental economy causes a proportionate expenditure of that animal power, that vital energy already shown, is manufactured by the internal organs Alcoholic drinks therefore shorten

human life by destroying the healthy equilibrium
which is so indispensable to the preservation of life
and health. The one great end of mans existence is
enjoyment as is evinced by every contrivance of
his body, every faculty of his mind these stimulants
abridge his enjoyments by disturbing the equable
harmonious exercise of both his physical and
his intellectual powers and by violating every
condition of happiness. The principle is universally
recognized and enforced in all our medical works
that the violent exercise of the passions is not
only a sworn enemy to health and physical and
mental enjoyment, but also shortens the days
of the passionate man. Having already shown that
intoxicating drinks stimulate the sexual passions
to an ungovernable extent, and weaken the powers that
control them, the inference is plain and forcible
that they thereby consume the life of man.
Alcoholic drinks also shorten human life by the
many diseases and accidents, either directly or
indirectly which they are the principal causes
such as dropsy, Mania poka, Hepatitis, & diseases of the
the urinary apparatus.

[The page contains approximately 25 lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper. The text is too light to transcribe accurately.]

An

Inaugural Dissertation

On

Intermittent Fever

Submitted to the examination of the Provost

Regents and Faculty of Medicine

of the

University of Maryland

for the

Degree of Doctor in Medicine

By H. V. Ward

1840

1840

1840

1840

1840

1840

1840

1840

1840

1840

The Professor of Poetry
of the
University of Glasgow

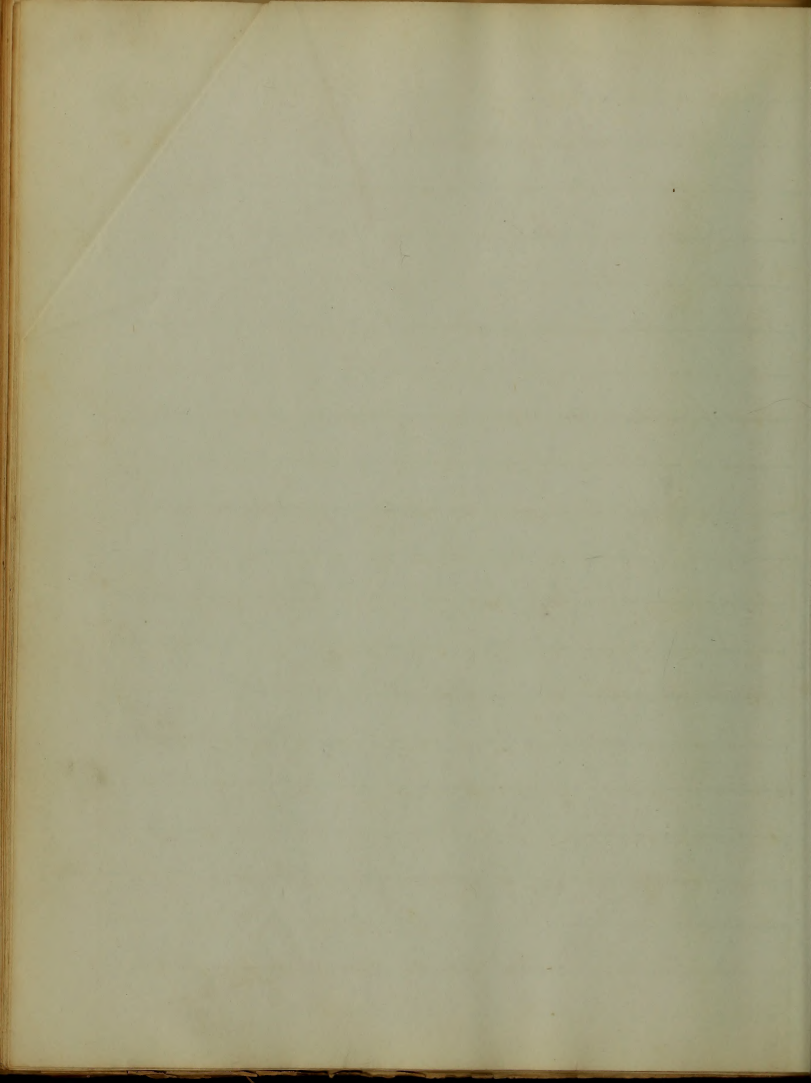
Sir,

I have the honor to receive from you
a copy of the Essay on the
Education of the People
which you have given to me in
my possession. It is a very
valuable work, and I am
glad to see that you have
concerned yourself with
such a noble and important
subject.

These questions are of great
importance to the
country, and I am
glad to see that you
are so deeply interested
in them.

Yours truly,
A. J. Stewart

Glasgow



To

The Professors of Physic
of the
University of Maryland

Gent;

It affords me great pleasure in dedicating this essay to you, to offer my grateful acknowledgements for the efficient encouragement which you have given to me in the prosecution of my professional studies during the very able course of lectures recently delivered in your halls and the kind courtesy which you have uniformly extended to me during our brief and on my part pleasant acquaintance.

That your lives rendered valuable by talents of no ordinary order, by kind and generous feelings made valuable in mitigating the ills incident to humanity may be long preserved is the sincere desire of

Your obliged friend

W. W. Ward

Intermittent Fever

In reviewing the names of those who have shed so much lustre upon our sciences, and its kindred branches, and who have so signally failed, to give us any correct or definite information of the true nature of malarica, which is the term used to express the cause of this disease, we are inevitably led to the conclusion that their failure was owing either to their manner of investigation, or that the cause were too subtle, to be detected by any of the delicate tests which the ingenuity of man had hitherto devised - The latter is probably correct, for we can hardly suppose that men, who were distinguished for their acumen, and astuteness of research in the arcana of science, would have so signally failed, could the cause have been made cognizable to us, by any of the delicate tests, which they had at command - Science has made rapid strides within the last quarter of a century, and her progress is still onward - A new era has dawned, a greater impulse and vigor seem to have been imparted to the human mind, that impulse, has

The history of the world is a long and varied one, and it is not possible to do justice to it in a single volume. The present work is intended to give a general view of the progress of human civilization, from the earliest times to the present day. It is divided into three parts, the first of which deals with the ancient world, the second with the middle ages, and the third with the modern world. The author has endeavored to present a fair and impartial account of the events and characters of each period, and to show the influence of each upon the progress of the human race. It is hoped that this work will be found interesting and useful to all who are desirous of gaining a general knowledge of the history of the world.

has been felt, and its fruits, are being made manifest
not in our science only, but, in all other sciences which tend
to increase, the ~~number~~ the happiness of mankind. It
is to be hoped that that day is not far distant, when
all, or at least a greater part, of the phenomena, of the
nature, and exciting, and predisposing cause, of this disease
remote, and proximate, can be fully explained. It is pos-
sible, that by means of powerful microscopes, something
may be discovered, which will shed some light upon
the true nature of malaric, Chernichat analyses have
hitherto failed, notwithstanding, the greatest care was
used in the manipulations. This is a subject which
is fraught with the deepest interest to mankind, near
two thirds, of the habitable globe, being scourged by
the diseases which it produces - this number and
severity may well be called "leagues", and the lesions
of innervation, and nutrition, which tend to cut short
the term of human life are incredible.
It seems to us from observations, and the investigations
of Scientific men, that a necessary quantity of moisture,
and a rather elevated temperature, which shall continue for
some time acting upon decayed vegetation will

produce malariae or bad air as it has been termed
which is the immediately predisposing and exciting
cause of intermitent fever - The views which have been
recently advanced from an eminent source, that
vegetable decomposition, is not necessary, to produce
malariae, and that the peculiar poison, may abound
where there is decaying, or decayed remains of vegeta-
tion, are somewhat novel they require more correct
observation and a greater amount of facts to confirm
them before they can be received or entitled to any
weight - We design to confine ourselves to the
treatment of intermitent fever our limits, and time,
forbid an elaborate investigation and discussion
of the various theories which have been at different
times advanced of its producing cause, or an exposi-
tion of our own views - We may define intermitent
fever, as a primitive or essential fever, composed
of many paroxysms, which recur at regular inter-
vals, between which, we have a state of apyrexia
or freedom from fever - This definition will apply in
a majority of cases, it is still to a certain degree
defective or imperfect for we meet with examples, in

which the periods of attacks are by no means regular
and the state of apyrexia incomplete

An attack of intermittent fever is most usually preceded for several days by a general feeling of malaise and disorder of the secretions, the tongue being clammy and slightly coated, digestion is more or less impaired, the fecal matter being either too hard or light colored and wanting in consistency - - - -

The symptoms immediately preceding and ushering in an attack are a sensation of weakness and distress about the epigastrium, general debility languor listlessness and inability to make any physical or mental exertion - The patient begins to yawn and stretch, he soon begins to have horripitations the sensation being first felt at the extremities, then along the spine, the capillary circulation becomes more and more feeble which is evidenced by the shrunken extremities and the dry and rough skin - In a short time the slight and transient feeling of cold first felt becomes more decided and general the patient feels cold being usually huddled or drawn upon himself he trembles and shakes his

teeth chatter the rigors are often so intense that the bed is violently shaken - He complains of great cold along the spine (often comparing the sensation to a stream of cold water poured down the back) and of great aching and a sense of weight in the lumbar region and extremities particularly the knees, his nose is pinched and blue, his thirst is oftentimes urgent, respiration is hurried and anxious, pulse small, frequent but firm, most of the secretions are diminished, the quantity of urine is seldom scanty, being sometimes increased, it is however pale and aqueous ... After these symptoms have lasted for a greater or less length of time (being modified by the type) they are succeeded by cold shivering with alternate flushes of heat by and by the shivering ceases entirely and is succeeded by a general feeling of warmth, the previously shrunken extremities and the whole surface assume their ordinary bulk and appearance ... But the reaction does not cease here, the face now becomes florid and turgid, the whole surface of the body becomes hot and dry, the temp-oral arteries throb violently often attended with intense

The first of these is the fact that the
the second is the fact that the
the third is the fact that the
the fourth is the fact that the
the fifth is the fact that the
the sixth is the fact that the
the seventh is the fact that the
the eighth is the fact that the
the ninth is the fact that the
the tenth is the fact that the
the eleventh is the fact that the
the twelfth is the fact that the
the thirteenth is the fact that the
the fourteenth is the fact that the
the fifteenth is the fact that the
the sixteenth is the fact that the
the seventeenth is the fact that the
the eighteenth is the fact that the
the nineteenth is the fact that the
the twentieth is the fact that the
the twenty-first is the fact that the
the twenty-second is the fact that the
the twenty-third is the fact that the
the twenty-fourth is the fact that the
the twenty-fifth is the fact that the
the twenty-sixth is the fact that the
the twenty-seventh is the fact that the
the twenty-eighth is the fact that the
the twenty-ninth is the fact that the
the thirtieth is the fact that the

head-ache the pain being usually referred to the frontal
region the thirst is very urgent the pulse becomes strong
full and rapid; respiration is deep and oppressed;
urine scanty and high colored but not depositing any
sediment, or if any it is principally mucous; the patient
exhibits great restlessness and tosses himself to and fro
in bed ... These symptoms subside in the course of two or
three hours sometimes in an hour, a slight and gentle
sweat makes its appearance on the fore-head, face
and neck which is gradually diffused over the whole
of the body affording great relief ... The thirst abates,
the urine becomes more plentiful but high colored
and depositing a latentitious sediment upon cooling,
the tongue is less clammy but covered with a slight
yellow furor; the pulse returns to its normal standard
in force and frequency, the pains disappear, the
sweating ceases, leaving the patient comparatively
well ... He is usually able to resume his ordinary
duties though a feeling of lassitude and weariness
still exists; the countenance is pale and sickly, the
physical and mental powers are excited with
difficulty, the appetite is variable, digestion being

...the first thing I should mention is that the weather was quite good today. We went for a walk in the park and saw many beautiful flowers. The children were very happy and played for hours. We also had a picnic under a big tree. The food was delicious and everyone enjoyed it. We spent a very pleasant day and will be back soon.

imperfectly carries on owing to the derangement of
the chylific apparatus
In a great many cases there is during the cold stage
a lesion of one or more of the internal organs (it is
however not always perceptible), and congestion of many
if not all of the viscera of the three great cavities
we have (if we may be permitted the expression) a
state of hyperemia of the internal and anemias
of the external parts or differently expressed the
balance of the circulation is lost the blood forsakes
the surface and accumulates in the internal organs.
This hyperemia from the frequency of its repetition or
excessive violence affecting those organs which are weak
by congenital proclivity or some other cause may
be productive of an inflammatory state of these
organs and the lesions thus produced may
become sources of irritation, react upon the system
and thus be a powerful means of keeping up
disease. That this hyperemia does exist is
undoubtedly true, so far as signs and symptoms
prove any thing, first let us examine the head: we
find there, more or less a sense of tension and

fulness; the patient complains of head-ache the sensibility is diminished and there is frequently stupor and coma. Next the chest; the face is livid, respiration is hurried anxious and attended with some cough and upon percussing the ^{chest} we find dulness of sound and other physical signs of congestion and upon direction we find the lung congested sinking in water and closely bordering upon hepatization. And lastly the abdomen; we have nausea and vomiting, often diarrhoea and a copious discharge of urine, the skin is pale and shrivelled, the bulk of the extremities diminished and countenance collapsed. All of these appearances lead us to believe that there is great internal congestion and which the scalpel corroborates. The effects of congestion are two-fold, we may have congestion either with or without organic lesion and inflammation. In some cases the congestion is followed by violent inflammation, in others we have chronic inflammation produced. Persons laboring under arthritic plethoria are predisposed to serious congestions, there is in them a great want of contractility of the moving fibres, the heart and arteries and other organs instead of being

Stimulated by the increased quantity of blood are oppressed by its load... The pulse may be full but it is slow, sometimes irregular, there is frequently a disposition to faintness, alternating with palpitation and physical examination shows the heart to be enlarged by the accumulation of its contents. The face is more purple than red, the veins are generally distended, the extremities are apt to become cold, the other functions are sluggish and imperfectly performed; the bowels are torpid; urine high colored or turbid, sensibility is blunted and the mental faculties are dull... Asthenic plethoric effects show especially, who are weakened by age, excess or previous disease, and those in whom the excreting organs act imperfectly, which imperfect action is a cause as well as an effect of plethoric; congestion of the brain or any other organ the vessels of which are weak is first produced - It must be borne in mind that when congestion lasts long, it may ~~break~~ break the vessels by over distension, ^{but} after the cause has ceased to operate it does not subside. The morbid poison acting upon persons who have either sthenic or asthenic plethoric often acts insidiously,

affecting most usually those organs which are weak by congenital proclivity or any other cause and one or more of the viscera are thus so much weakened that they are likely to suffer serious lesions whenever an attack of intermittent fever supervenes; these secretions are gradually diminished or arrested, evidently shewing the insidiousness of the morbid process.

Intermittents have been divided into quotidian, tertian, quartan and quintan, all or any of which may be complicated by being doubled.

An ague is divided into three stages the ^{cold, the} hot, and the sweating stages.

The first variety, quotidian, is characterized by having an apyrexia or intermission every twenty four hours and when uncomplicated the apyrexia is complete but short and the paroxysm is long, frequently continuing ten or twelve hours; if the succeeding paroxysm commences earlier, it is said to be anticipatory and it is considered unfavorable in this as well as in the succeeding varieties because the disease is about to assume a grave form, usually the remittent.

The second variety, tertiana, is known by the recurrence of the paroxysms every forty eight hours, the paroxysms usually commence about noon and continue some five or six hours - ... This is by far the most usual variety; there is more languor and a greater sense of weariness in this than in the preceding variety, more or less nausea is felt during the cold stage and which continues throughout a greater part of the succeeding stage, the cold stage lasts about an hour and the hot some three or four ^{hours} being disproportionably long.

This variety is sometimes doubled and occasionally trebled or differently expressed two or three paroxysms occur in the course of forty eight hours; for instance, a patient will have two paroxysms the first day, the first occurring in the morning, the second in the afternoon; on the second he will be exempt but on the third the same symptoms will recur - ... Sometimes the paroxysms occur every day, simulating in that respect the quotidian, but marked by this difference, the alternate paroxysms are similar while those which

The second part of the
reason of the proposition may be
the proposition itself contains some
condition which is in itself
for the first part of the proposition
a general term of which in the
second part, and in the same
third part, and which contains
first of the necessary
last part of the proposition
a particular proposition
the third of the proposition
all other as different
proposition in the
then for which
from the first part, the
condition, the
there is also
some proposition
some other
the proposition
the proposition

follow each other are not
The third variety, quartans, is distinguished by
the recurrence of the paroxysms every seventy
two hours, they are more rare than the preceding
varieties and when they do occur it is in the fall
and most usually attack the old, nervous and
melancholic

The last division, quintans, are exceedingly rare
the paroxysms occur every fifth day or after
nearly six hours intermission

Quartidians when uncomplicated by organic lesions,
appear to complete their course on the seventh day,
the tertians by the fourth day, and quartans
usually run six weeks

During an epidemic of intermittent fever we frequ-
ently see cases in which there is an extraordinary regul-
arity in the access, duration, and intermission of the
paroxysms, while in others we find them irregular as
to the time of invasion, phenomena of the various stages,
periods of subsidence, and apyrexia . . . We occasionally
meet with cases in which the patient complains of
pain in one eye with violent throbbing of the temporal

artery of the same side, which continues for some time and passes off with or without perspiration; the pain recurs at regular intervals; again we find pain in the diaphragm, in a particular set of muscles, vertigo and even oedematous. Sometimes assumes the intermittent form

Intermittent fever has usually a period of incubation or in other words some time elapses from the time of exposure until the malarial effects become manifest the vis conservativa seems to be alive to the exciting causes and if the person who has been exposed continues in the enjoyment of good health, it is generally competent to resist the malarial effects of the poison. . . . But if within a reasonable time say a few days or weeks the powers of vital resistance be lessened by cold long abstinence or any other depressing causes, then the poison acts and the disease begins. That this is true every day's observation and experience prove; for instance several persons are exposed to the poison malarial perhaps by spending a few hours at night in a malarious district; they return to a healthy location and feel no ill effects

from their exposure until some depressing cause act
so as to lower the powers of vital resistance; as being
exposed for hours to a heavy rain, long abstinence or
sudden change from a rich and generous diet to a meagre
one, privation from accustomed stimuli, long night vigils,
great mental anxiety, and the loss of a great quantity
of blood, the vis medicatrix naturae is no longer cap-
-able of resisting the mortific effects and the disease
manifests itself

The most frequent complication of intermittent fever is
what is called the gastric; it most usually occurs in
the fall, the patient has the ordinary premonitory symp-
toms: for several days before the attack supervenes his
secretions are not healthy or regular, his tongue is clammy
and covered with a yellow coat and he has a bitter
taste in the morning... After these symptoms for a
greater or less length of time the attack is ushered in
with a short rigor in which there is great nausea and
vomiting; during the next stage the thirst is very urg-
-ent there is great fulness about the epigastrium, accom-
panied with pain upon pressure and an increase of
heat is felt by placing the hand upon the epigastrium

region, the tongue is red upon the tips and edges and is covered with a brown coat or fur which is flat or with elevated papillae The pulse is weak and small but incompressible, urine is scanty and high colored; the bowels are sluggish, the skin is hot and dry, intense head-ache and great pain and a sense of weight in the lumbar region The vomiting affords but temporary relief The congestion or inflammation produces contraction and wrinkling of the mucous membrane ecchymosis and various degrees of redness of the different parts

The next most usual complication is the cerebral, being congestion and inflammation of the arachnoid membrane the premonitory symptoms are a fulness in the head, caused by ~~inflammation~~ determinations of blood to the brain which is increased by sleeping, and violent exercise. When the attack supervenes the patient is seized with rigors, lancinating pain is felt in the frontal region, violent throbbing of the temporal arteries, the eyes are red and suffused, respiration is hurried and laborious. After the rigors pass off the respiration is slow, deep and laborious, the pulse at first is full and

and firm, becomes small tense and sometimes indurated, delirium and coma frequently supervene; vomiting in the initial stage is not unusual.

The other complications will not be described: they can be detected by those who are familiar with pathology and semeiology; our space and time will not permit us to dilate upon them —

Diagnosis ... We have no distinctive features or pathognomonic symptoms during the second stage by which to distinguish intermittent from remittent fever, the fever being essentially similar should it pass off within two or three hours and be succeeded by copious perspiration we may very safely pronounce it to be a case of intermittent fever ... It is however not always easy to diagnose correctly especially in the Southern and Western States where the malarial poison is very active and concentrated and when complications and lesions of a serious character are frequently met with. When one can ascertain the previous habits of your patient and know that he has been exposed to malaria it is not then so difficult as it would otherwise be

Should he not however be able at once to pronounce it to be a case of intermittent fever owing to the lesions which shall have been produced in either of the three great cavities, it will not or at least ought not to prevent him from administering the appropriate remedies. A few hours are often of immense importance, so much mischief may have been done ^{by the delay} that our skill will prove in vain; it will not do to wait for the access of another paroxysm before we commence ~~our~~ treatment. The local lesions tend to keep up a state of febrile reaction and prevent complete apyrexia or intermission.

Paroxysm. In the violent cases of intermittent, occurring whenever the morbid poison is very active and concentrated, as it is in our Southern and Western States, death frequently supervenes after the access of the first paroxysm and more frequently after the second, produced by the intense congestions and lesions of vital organs. In such cases the scalp shows the vessels of the brain deeply engorged, effusion

of serum or blood upon the arachnoid, the Sinuses distended and frequently effusion on the Ventricles of the brain. The lungs present intense engorgement, being so much congested as to border on hepatization and do not float upon the surface of water; the liver and Spleen are considerably enlarged from the accumulation of blood in their parenchyma - the mucous coat of the Stomach and intestines is also engorged having lost its natural hue and exhibiting various degrees of congestion and coloration. But in the ordinary cases of intermittent, death rarely supervenes; the tendency is to Spontaneous cure, especially if the patients remove to a healthy location; where the patient remains where the morbid poison is continually acting and no treatment if given the disease often proceeds for months. In these cases enlargement of the liver and Spleen with induration produced by the continuous action of the poison and the congestions during the cold stage are frequently met with; also general derangement of the Chylo-pneustic apparatus

and functional and organic lesions of the heart
attended by general anæmia.

Treatment. For the gastric complications of
intermittent fever, it will be proper to bleed
freely from the arm, to apply leeches over the
epigastrium and after their removal to apply
warm fomentations so as to produce a free
flow of blood from the bites; it is astonishing
how much relief is often afforded by the loss of
only a few ounces of blood from the epigastric
region all of the symptoms abate: the thirst
becomes less urgent and the pulse becomes
softer and more full. Cups ought never to be
used over the epigastrium; their application
often inflicts pain and increases the irritation
of the stomach. We should administer ice water
and small lumps of ice internally; they allay the
thirst and nausea and act as contra-stimulants
and sedatives; the bowels should be opened by
enemata and Calomel and opium given
to act upon the secretions and bring them
to the normal standard 90° 90° 90° 90°

The first part of the paper is devoted to a general
discussion of the various forms of the
disease, and the manner in which it is
communicated. It is shown that the
disease is not contagious, and that it
is not inherited. The second part of
the paper is devoted to a description
of the various forms of the disease, and
the manner in which they are
communicated. It is shown that the
disease is not contagious, and that it
is not inherited. The third part of
the paper is devoted to a description
of the various forms of the disease, and
the manner in which they are
communicated. It is shown that the
disease is not contagious, and that it
is not inherited. The fourth part of
the paper is devoted to a description
of the various forms of the disease, and
the manner in which they are
communicated. It is shown that the
disease is not contagious, and that it
is not inherited. The fifth part of
the paper is devoted to a description
of the various forms of the disease, and
the manner in which they are
communicated. It is shown that the
disease is not contagious, and that it
is not inherited. The sixth part of
the paper is devoted to a description
of the various forms of the disease, and
the manner in which they are
communicated. It is shown that the
disease is not contagious, and that it
is not inherited. The seventh part of
the paper is devoted to a description
of the various forms of the disease, and
the manner in which they are
communicated. It is shown that the
disease is not contagious, and that it
is not inherited. The eighth part of
the paper is devoted to a description
of the various forms of the disease, and
the manner in which they are
communicated. It is shown that the
disease is not contagious, and that it
is not inherited. The ninth part of
the paper is devoted to a description
of the various forms of the disease, and
the manner in which they are
communicated. It is shown that the
disease is not contagious, and that it
is not inherited. The tenth part of
the paper is devoted to a description
of the various forms of the disease, and
the manner in which they are
communicated. It is shown that the
disease is not contagious, and that it
is not inherited.

In the cerebral complication vigorous antiphlogis-
tic treatment must be persevered, in general and
local blood-letting and this repeated as often as it
may become necessary. The head of the patient should
be kept elevated so as to take advantage of the
laws of gravity; the room should be dark and
cool and as quiet as practicable and no per-
sons other than his usual attendants allowed
to enter the patients room - Bladders filled with
pounded ice should be placed on the head ice
materially contributing to counteract and control
the determination of blood to the brain; to effect
this object the ice should be kept applied until the
inflammation is subdued for if applied for a short
time only the very evil sought to be prevented is increased
We know the effect of plunging the hand into ice
water for a few moments is to cause, very considerable
reaction, determination of blood and a sense of heat and full-
ness. Drastic cathartics such as Calomel and jalap in full
doses should be exhibited and followed by saline purgatives
If alvine evacuations cannot be produced by any of the ordinary
cathartics (as is sometimes the case) one should administer a

1. The first consideration is the nature of the
the treatment must be founded on the general
least that being one the object is to
any means necessary. The aim of the
to give them up as a bad advantage of the
form of goods, the term should be used
and not as given or possible one or the
that this than the usual others in relation
to give the patient some. The aim of the
patient is to be able to give up the
materially contributing to treatment and
the administration of them is the key. It
the effect is to show to give up the
efficiency is to give up of the
the key is to be able to be given up
to have the effect of giving up the
case for a few minutes is to have
modern. The aim of the treatment is to
up. The aim of the treatment is to
the aim of the treatment is to
the aim of the treatment is to
the aim of the treatment is to

full dose of castor oil combined with a large
tea spoonful of *Ol. turpenth* and repeat it if
necessary. I have never seen this combination fail
to produce full and free evacuations; it seems to
act powerfully upon the muscular coat of the
intestines and increasing its contractility thereby
increasing their peristaltic action. Warm appli-
cations and Sinapisms must be put to the feet
so as to produce a greater flow of blood to the
extremities: Cups and after the inflammation and
general momentum of the circulation have been
controlled, blisters to the neck are highly import-
ant and beneficial &c &c &c &c &c

The various other complications must be treated
upon general principles; subdue the local inflam-
mations by antiphlogistic treatment &c &c

If we are called to see a patient who has had
two or three paronyms and find that at an early
period there was complete apyrexia but that this
is no longer the case the great probability is that
some visceral organic lesion keeps up the fever
the usual period of intermission. We must now

to a rigid examination of the viscera. Observe whether there be head-ache - stupor or lesion of intellect, any derangement of sensibility, any throbbing of the vessels of head or neck. We should now examine the chest and thoroughly investigate its condition, use the Stethoscope and percussions, ascertain whether there be dulness of sound and the usual physical signs of lesion of the lung. Then proceed to the abdomen examine whether it be flat or prominent and full and if it be tender upon pressure and note carefully the condition of the liver and spleen. We now have an important question to determine. Does visceral lesion necessarily contra-indicate the use of quinine? It does not if the lesion be recent and slight; in such cases quinine does not produce an injurious effect, but directly the contrary. Some years ago and even now by a great many practitioners it was looked upon as being exceedingly rash to administer quinine during the existence of any lesion of the viscera, however slight without previous preparation and a

long array of emetics and cathartics especially
mercurials. It was then looked upon as being
only a powerful stimulant and as being highly
injurious if administered in larger than one or two
grain doses but now it has been ascertained to
produce a sedative effect if administered in large
and full doses; fifty and sixty grains are ad-
ministered in extreme cases and in some there is
a great tolerance of this remedy. Some practition-
-ers administer it during the pyrexia of inter-
mittent and remittent fever, if there is no serious
lesion of any of the internal organs: it cuts short
the hot stage and produces perspiration in
a much shorter time than any of the ordinary
means, and its use the pulse becomes more full
and soft, the head-ache diminishes and there
is a general abatement of all the Sym^{ts}ptoms.
If there is any thing in medicine which deserves the
name of Specific, it is quinine. It is generally
considered of little consequence in what way quinine
is administered. I however prefer administering
in solution as a Sulphate: it acts more promptly

being more readily absorbed and carried into the circulation. To children it may be administered in the form of an emema as we frequently find great difficulty in inducing them to swallow it in solution or pills: in administering it in the form of an emema dissolve it by using a few drops of Sulphuric Acid to which add a few drops of laudanum and mix them in two or three ounces of thin starch or mucilage. About double the quantity of an ordinary of-quinine must be used in this way

We now usually administer quinine in five grain doses three times a day during the apyrexia and ten grains about three hours before the expected access of the paroxysm. There is one effect of quinine which is not only curious but inexplicable: it is this - We may administer quinine immediately before a paroxysm it will have no apparent effect other perhaps than lessening the duration of the hot stage but it anticipates or in other language it will prevent the recurrence of another paroxysm.

Quinine applied externally is highly spoken of

As being more effective than any other mode I have used it sometimes; it answers remarkably well in cases of a malignant type when we can not use it internally

Codaine which is the Chemical alkaloid and active principle of *Cornus Florida* or dog-wood bark ranks next to quinine in power and efficacy and should the supply of quinine be greatly diminished from any cause, this may be used as a substitute being made from a tree which is indigenous to our Country. Its effects are very similar to ^{that} of quinine producing in full doses tinnitus aurium &c

Salicine the active principle of white willow bark is highly recommended but I have been very much disappointed in its effects; it is extremely apt to cause nausea, retching and vomiting, when administered in full doses to delicate females and others whose digestive apparatus is weak.

Assense in the form of Fowler's Solution is a powerful remedy it may be administered with Opium and aromatics; it is looked upon as being peculiarly valuable for children on account of its tartalepresp

26
But there is a very strong objection to its use arising
from the danger from the administration of an
over dose: it is this, that in a great many cases where
arsenic had been employed the patients after
their recovery fell into a state of bad health,
became weak, emaciated and exhibited remark-
-able derangement of the digestive organs. There
can be no doubt that it is an agent which is
highly injurious to the system and that its con-
-tinued use is productive of exceedingly injurious
results. We should therefore decline its emp-
-loyment whenever we can dispense with it.

Peperine has been looked upon as a very valu-
-able agent in the treatment of intermittent fever:
it is greatly inferior to the oil of black pepper:
it answers very well in a great many cases when
combined with some tonic and febrifuge. . . .
A combination of Opium, Camphor and carbonate
of ammonia, will prevent a paroxysm ^{and may be safely used} if we
have no other remedies at hand and during
the intermissions, Tonics may be freely given.

...but this is not the only thing that is done
from the range from the administration of
one kind to the other, but in a great many cases
there has been a complete change of
the theory for a whole series of years.
...because each generation has its own
...the development of the human organ, the
one is so much that it is an organ which
helps in the development of the human
...there is a possibility of a great
...which is the whole theory of the
...physical education can be improved
...physical education can be improved
...it is a great improvement in the
...it is a great improvement in the
...and the whole theory of the
...of the human organ, the
...of the human organ, the
...of the human organ, the
...of the human organ, the

Prussian blue (or ferro cyanide of iron) has been recently introduced in the treatment of this disease: it certainly has been recommended that its cheapness its febrifugal powers must depend upon the prussic acid which is combined with the iron & the amount of iron which is in the salt would not produce the effects ascribed to it.

There is a fine tonic and febrifuge which is also used as a phrophytactic in common use ^{in the} western States: it is a very strong decoction of dog-wood bark (*Cornus Florida*), wild cherry (*Prunus virginiana*) and white poplar (*Americanus Julipifera*) boiled down to the consistence of treacle or honey to which some French brandy or good whiskey is added to prevent decomposition, they form a very pleasant tonic bitter which is extremely valuable in malarious districts being so very cheap and so easily procured that the poorest may obtain and use it.

The first part of the paper is devoted to a
general statement of the principles of the
theory of the differential calculus. It is
shown that the differential calculus is a
special case of the calculus of variations.
The second part of the paper is devoted to
a discussion of the applications of the
differential calculus to the theory of
mechanics. It is shown that the
differential calculus is a powerful tool
for the study of the motion of
particles and rigid bodies. The third
part of the paper is devoted to a
discussion of the applications of the
differential calculus to the theory of
fluids. It is shown that the
differential calculus is a powerful tool
for the study of the motion of
fluids. The fourth part of the paper
is devoted to a discussion of the
applications of the differential calculus
to the theory of heat. It is shown
that the differential calculus is a
powerful tool for the study of the
motion of heat. The fifth part of
the paper is devoted to a discussion
of the applications of the differential
calculus to the theory of electricity
and magnetism. It is shown that
the differential calculus is a powerful
tool for the study of the motion of
electricity and magnetism. The sixth
part of the paper is devoted to a
discussion of the applications of the
differential calculus to the theory of
optics. It is shown that the
differential calculus is a powerful tool
for the study of the motion of light.
The seventh part of the paper is
devoted to a discussion of the
applications of the differential calculus
to the theory of acoustics. It is
shown that the differential calculus is
a powerful tool for the study of the
motion of sound. The eighth part of
the paper is devoted to a discussion
of the applications of the differential
calculus to the theory of astronomy.
It is shown that the differential
calculus is a powerful tool for the
study of the motion of celestial
bodies. The ninth part of the paper
is devoted to a discussion of the
applications of the differential calculus
to the theory of geodesy. It is
shown that the differential calculus is
a powerful tool for the study of the
shape of the earth. The tenth part
of the paper is devoted to a
discussion of the applications of the
differential calculus to the theory of
astronomy. It is shown that the
differential calculus is a powerful tool
for the study of the motion of
celestial bodies.

Emetics are sometimes highly valuable especially when there is much derangement of the chylo-pneustic apparatus; they emulge the liver and unload the portal system and cause a determination of blood to the surface &c. &c.

They should be administered during the intermissions and not immediately before the access of the paroxysm but after the third stage or sweating has subsided.

In cases of violent congestion and ^{when} the powers of life are too feeble to produce reaction or when its long continuance will probably produce serious lesions the use of the warm foot-bath, warm bricks, or Stupes. Senapiams to the feet, Stomach, and Spine, and warm regus & carbonate of Ammonia will be required.

Dr. M^o Intorb is a very strong advocate of venesection of Sanguis in the cold stage; he contends that although the phenomena of debility be present blood may be taken with the greatest possible relief in some cases. My own impression is that bleeding may be performed during the cold stage.

without producing death from debility but that the cases in which it is practiced are more intolerable and are more likely to assume a graver form, usually the remittent. Suppose however that it is perfectly safe - where is the utility if we can relieve our patient by other means which we know to be safe?

In recapitulation we would briefly state the indications which are to be fulfilled - Remove your patient to a healthy location if possible so soon as his condition will permit for the morbid process will continue to act and that more powerfully after having had an attack - If there be any lesions remove them by the appropriate remedies before administering the specific but if the lesions be slight and recent it is not necessary to use that precaution - You must bear in mind that the prevalent opinion that the tongue is a correct index of the state of the stomach and bowels, is incorrect, if the tongue be foul it should not prevent you from administering quinine for the state of the tongue

is connected with the morbid condition of the whole system and not with the digestive apparatus only. Quinine must be given in full and free doses say five or ten grain doses three a day during the apyrexia which must be continued for several days. We frequently advise our patients to take five or ten grains of quinine every seventh day for some weeks after the disease has yielded to treatment, also some preparation of iron or vegetable tonic so as to restore the general tone of the system. . . . and to act somewhat as a ptrophylactic. . . . We think emetics and mild alterative cathartics when judiciously administered, in derangement of the digestive tube very valuable: they unlock the secretions and relieve the congestion of the portal system and thereby contribute very materially to restore the secretions to their normal standard. . . .

is concerned with the entire character of the subject
upon one and with the various applications
of the same to the various parts of the body
and the various organs of the system
the physician should not be contented for some
time with the general system of medicine to take
for the relief of the patient they should be
for some time after the illness has passed
the patient also some preparation of iron
should be given as it is the best
of the system... and a diet which is
physiologic... the diet which is
with absolute regularity when necessary
in order, in the management of the system
they should; but under the direction of the
the composition of the food system
contains very carefully to make the
attention to this system

An
Inaugural Dissertation,
on Necrosis
Submitted to the Examination,
of the
Provost, Regents and Faculty of Physicians,
of the
University of Maryland,
for the
Degree of Doctor of Medicine,
by
John Galloway

Baltimore Infirmary Feb 10th 1847

University of Maryland
College Park, Maryland
Department of Geology
for the
Office of Director of Mines
John S. ...
... ..

Nathan K. Smith M.D.

Professor of Surgery in the University of Maryland

Sir;

"Gratitude and respect are due from every individual to him, who extends the bounds of that knowledge, so useful to the community. Thousands are acquainted with your endeavours for that noble purpose!! and, here permit me to express the regard I entertain for your talents, learning and judgement, and be assured, Sir, ^{that} a recollection of the many valuable and early, instructions given by you, will always recur with the most pleasant associations to

Your sincere friend &c

John Galloway

John A. Smith, Esq.

Office of Survey in the University of

Ohio

Dear Sir,

I have the honor to acknowledge the receipt of your letter of the 10th inst. in relation to the survey of the lands of the University of Ohio, and in reply to inform you that the same has been referred to the proper authorities for their consideration. I am, Sir, very respectfully,
 Yours, &c.

Wm. A. Smith, Esq.

In presenting myself before the Faculty of Physic, of the University of Maryland, for the Degree of Doctor of Medicine; it is incumbent upon me to present to the Dean of the Faculty a dissertation on some Medical subject; and in doing so I shall be compelled of necessity to lay hold of property common to the profession - the facts and observations as they have been observed and established by its leading members; for facts of my own I have none to give. - I propose to submit to your consideration a dissertation on "Necrosis, the literal meaning of which is only mortification but has been confined by the general consent of surgeons to death of bones." There are few topics connected with diseases of the bones, which afford more interest to the Surgeon or general practitioner of medicine, than Necrosis. Whether we regard the facility and frequency of its occurrence, or the various phenomena which attend its progress and termination

This disease may occur at any period of life; but it generally comes on between the fifth and twentieth years, seldom before the fifth but frequently after the twentieth - numerous cases have been related of coming on after the latter period of life, by authors and two cases out of five that have in the Balt Hosp within the past year have been over thirty years - "The disease may be partial or entire; simple or com-

2
pounds; that is it may affect a mere shell, or it may pervade the whole structure of a bone; and again when the disease is simple when limited to one bone, and compound when several are simultaneously attacked," I shall now proceed to consider the causes of the disease, its pathology, the bone most likely to be attacked, its symptoms, diagnosis, prognosis and treatment both local and general.

The causes may be local and general and are not essentially different from those which lead to gangrene of the soft textures; among the local may be enumerated, wounds, contusions, fractures, burns, chemical irritants, matter forming under dense fascia unable to find an outlet; destroys the parts beneath, the covering membrane of the bone is destroyed, and the bone dies, as a necessary consequence; examples of this are afforded in cases of pyomyositis where the matter unable to escape, burrows beneath and destroys the soft parts, the periosteum suffers the same fate, and necrosis of the bone is the result; among the internal may be recognized, "a scrofulous or venereal taint of constitution, the long continued use of mercury, and the effects of protracted and debilitating febrile diseases" but exposure to cold or cold and dampness is a much more fertile source of disease than any I have yet mentioned. These appear to act as predisposing causes; persons

who live in cold and damp districts, are more frequently attacked than those living warm; it has been observed, that this disease is of more frequent occurrence in the Northern and eastern states of our Union, than in the Southern States, & Smith

Partial necrosis, ^{arises} usually from external causes, bruises or contusions, or when the bone has been denuded of its periosteum; although it does not necessarily follow that because a bone is stripped of its periosteum it must perish, for if the bone be in other respects healthy, and enjoys a vigorous circulation, "granulations will gradually spring up and repair the breach." The bone, however, will be very apt to suffer exfoliation if the denudation be extensive owing to the degree of injury which has been inflicted on the capillary vessels of the part, although the bone might have been healthy at the time the injury was inflicted. The exposed part supposing that the disease has been occasioned by the removal of periosteum, remains white and dry, and after awhile exfoliates comes away in thin scales or laminae. The dead portion is separated according to Mery, "partly by the absorption of the contiguous layer of living bone and partly by the absorption of the superficies of the dead bone," this is presumed to happen from the excavated and honey combed appearance which that surface of dead bone usually presents. Mr Wilson gives satisfactory proof of this that the

living tissue in contact with dead can effect its partial absorption. Adverting to the practice of transplanting teeth he says "The transplanted teeth used to adhere at first, but they seldom remain in their new sockets more than three or four years" several of such teeth which Mr. Hilder examined had lost their fangs by absorption. After the dead bone is separated the surface from which it has been removed is covered with florid granulations which by degrees assume the scific character and thus finally replace either in part or entirely the lost substance.

When necrosis is general and pervades the whole thickness of the ^{bone} that is, when it arises from internal causes as exposure to cold, for instance, and attacking a scrofulous constitution the process is a great deal more complicated. The inflammation seated in the bone, or periosteum, goes on to suppuration and matter forming between the bone and periosteum; separates the latter membrane from the bone, and if the soft parts do not yield or the surgeon does not interfere and give exit to the matter, it will continue to insinuate itself between the bone and investing membrane, until the whole shaft of the bone, being deprived of its proper nutrient vessels dies; but before the original bone is destroyed Nature ever on the alert, commences her operation of repair. The first step

in the operation, is the formation of a sort of osseous shell which seems to be designed to answer as a substitute for the dying bone, and serve at the same time to isolate it from the surrounding parts, - This new shell is formed by the effusion of coagulable lymph; the dead bone acting as a local irritant or extraneous body, excites inflammation in the surrounding parts which become thickened and pour out lymph similar to that ~~there~~ around the extremities of fractured bones - After some time, varying according to the age and vigour of the patient, this substance acquires the properties of cartilage, and this, again in its turn is finally replaced by osseous matter arranged in the form of an irregular shell, from "one to three lines in thickness!" This new or cortical formation commenced by bone and maintained, "may chiefly be affected by parosteum; having reached an aperture, caused by ulceration or by the knife (more frequently by the former) has its continuity interrupted, and an opening is left." - In cases of fracture without suppuration, ossification we shall find commenced by bone and continued by periosteum, and where this is deficient sustained by the surrounding parts which assume periosteal character and function consequently the encasement of bone under such circumstances is continuous

But in this disease there is ^{no} substitute for deficient periosteum the surrounding soft parts have supplicated and are themselves reduced to the condition of an aperture or canal for the discharge of matter - This, however, is not a disadvantage, on the contrary were the deficiencies supplied by adventitious structures of similar capabilities the cortical portion would be also continuous and the matter would be denied an outlet and all the pains and dangers of acutely accumulating matter and deeply seated pus would inevitably ensue" -

As the deficiency of periosteum is not supplied a permanent aperture is left, termed "cloaca"; results communicating with the cavity which contains the sequestrum, by means of sinuses with the surface of the limb, through which the sequestrum is to be expelled. The external orifice of this discharging canal is usually callous and of an elevated or protruding character called "propella," and in every case where necrosis is at all extensive, there are generally several of these purulent canals, in connection with which, (through the cloaca) the probe may be passed in to the sequestrum.

Through these apertures the sequestrum may be from time to time examined, to ascertain its condition, and as soon as it has become loose, it is through these openings enlarged if necessary, that

is to be removed - Whilst thus situated the seacher is bathed in a thin fetid serous matter, or in thick white inodorous pus. "A part of it is absorbed by the vessels of the new formed bone," in the same manner, it is supposed, as the fang of a transplanted tooth by the gum which surrounds it," Wilson.

The surface of the bone is usually rough, and its colour, either brownish, black or grayish; on the cylindrical bones it is usually spongy, and dry; whereas, in the short it ^{is} commonly porous remarkably brittle and moist. - When the dead bone has become sufficiently detached to be taken away, the assistance of the surgeon is demanded and if it be slothful or altogether inobeyance Nature may accomplish the task; but with long continued pain, and great exhaustion of the patient, as soon as the sequestrum is removed whether by nature or by art the newly formed shell contracts, and by degrees assumes the shape and function of the bone it is destined to replace, -

While this contraction and adaptation is going on externally, a corresponding change is taking place within; serous matter is deposited on the inner surface of the shell, and upon the extremities of the remaining bones and in this manner the cavity is filled; the time required always being in proportion to the extent of the cavity and the recuperative power of the in-

dividual. ⁹ If the necrosed bone previously contained a medullary canal - it is seldom or never reproduced, and the new bone, although, in a high degree of vascularity is never able to withstand the effects of inflammation so well as the original bone. 10 Suppuration having ceased, the cloaca no longer useful, are slowly filled up, or greatly diminished by the formation from the osseous margins; the whole becomes firmly consolidated and the inflammatory process altogether subsides.

This process certainly has its analogue in the reparation of the soft parts, the granulations which fill up the cavity of a soft part has certainly a close resemblance to the reproduction of osseous matter from the parent bone; the cuticular investment of the soft parts gradually extending from the circumference to affect cicatrization; bears a strict analogy to cortical formation beneath the periosteum which, covering in the deep substitute, may be said to affect ~~it~~ cicatrix.

The bulky swelling of the limb owing to the infiltration of lymph in the superimposed soft parts, now sinks to its proper level; inflammation having now subsided the absorbent vessels commence their work with renewed vigor, taking away the soft parts from between the bony

particles; which serves to condense and strengthen the new texture, and render it more "efficient as a part of a column of support, and in consequence of which the enlargement of the limb gradually disappears and ultimately assumes the function of the parent bone; but the symmetry of the limb is scarcely ever completely restored."

Concerning the complete regeneration of bone after loss of ~~part~~ its substance by disease; various opinions have ~~been~~ from time to time, been expressed by pathologists, some denying, others positively asserting its possibility. - Here as in many other obscure points of pathology a candid appeal to facts as they have been recorded by physicians will do infinitely more than a thousand conjectures and the question is to be decided, only, by observation, - A number of cases have been related of complete reproduction of bone, Chopart related one of the scapula, Wiedmann of the lower jaw, others of the ulna &c. Cooper speaking of the regeneration of bone says, "It is extremely complete, and in fact there is no structure of so complex a nature, which is capable of so thorough repair," "This power," he continues, "is no where more than in ^{the} reformation of nearly a whole bone after destruction of the original one, by disease; all the attachments of muscles as well as external form and internal texture, being, ultimate-

~~Supposed~~ as complete in the new bone, as they originally, were in
that which it has replaced

The exact mode by which the new bone is constituted has also been
a point of dispute among pathologists, some attributing it to the ~~peri-~~
osteum; others to the remaining portions of bone, and it appears
that the conclusions which most of them have come to is that the
existence of ^{the} periosteum is essentially requisite to the complete re-
-production. When the necrosis is internal, the regeneration is per-
-formed by the parent bone, but in general and external necrosis
the reparation is effected by conjoined agency both ~~the~~ bone and
periosteum, the former appears to commence the operation while
the latter is entrusted with its continuation and future nour-
-ishment. That the periosteum is essential to the complete repro-
-duction is evident from the fact, that if the shaft of a long bone
be destroyed and with it its periosteum, the formation of new
bone will be confined to small additions of a conical form to the
two extremities and a large intervening space left between them, where
- as if the periosteum had remained entire the whole would have
undoubtedly, been reproduced Dr. N. K. Smith

Nearly every bone in the body is liable to become affected with necrosis;
those which enter into the formation of the ~~extremities~~ and are su-
-perficial, are more frequently attacked than those more deeply seat-

- ed: The spongy by having a higher degree of vitality and vascular-
 - larity are very apt to terminate in suppuration; while on the con-
 - trary, the more compact bones in which the vital principle
 is less energetic and consequently more readily extinguished are
 apt to suffer necrosis: A very slight injury will frequently occa-
 - sion an extensive exfoliation from the surface of a long bone;
 but a musket ball will pass through a spongy bone without giv-
 ing rise to necrosis; suppurative inflammation occurring rather
 than the latter affection; see Chap. Sec.

The, tibia, femur, submaxillary, clavicle humerus, fibu-
 - la, radius, and the ulna, are the bones most frequently affected
 but as we have said before no bone in the body is exempt, the
 scapula, ribs, metacarpal and phalange as well as tarsal and
 metatarsal bones are often attacked,

The only disease with which this is liable to be confounded is can-
 - cers and the primary symptoms of the two diseases do not differ
 materially from each other, and the diagnosis can seldom be de-
 - termined with any degree of certainty until there is a dis-
 - charge of some dark coloured splinters of bone or until some
 of the fragments of dead bone can be felt with probe, or pro-
 - trude through the opening in the soft parts, and are
 visible on separating its edges. - When these phenomena

are present, there can be little or no doubt concerning the nature of the disease; but in cases of an opposite character the diagnosis is extremely difficult. In such cases a careful examination of the part should be made with the index finger; or where this is impracticable on account of the tortuous course of the canals or narrow condition of their orifices a probe should be employed, with which the condition of the bone could be accurately ascertained. —

The prognosis in this disease is in general favourable; the disease is very submissive to proper treatment; and when this is practiced at a proper period, the generality of cases does well; but nevertheless, there are some cases more formidable in their progress, and may, even render amputation necessary; these are to be considered as exceptions to, rather than the rule; Thus if the disease extend its ravages, to some important joint (the knee joint for instance) the leg would have to be amputated; or in chronic cases a similar procedure would be requisite, at a far more distant date; after many weeks and perhaps months have elapsed; when the separation has become far advanced but not yet completed; after the system has for a long time, borne up nobly under the exhausting burden of ~~the~~ irritation and discharge; but, now exhausted of its supply and no longer able to continue the contest, yield to the conflicting foe,

and all will be lost unless the cause of this disturbance be removed. - In acute necrosis of young persons it sometimes happens, that the violent inflammatory fever is followed by severe irritation; and these are soon followed by formidable hectic, which must plainly be removed at all hazards by the removal of its cause, in such cases it may be our imperative duty to remove the limb; nevertheless if a free incision be made down to the bone and this trephined the limb in all probability might be saved; yet we are placed in a critical position; on the one hand we are in danger of sacrificing the life of our patient in our vain endeavour to save the limb, and on the other we are equally in danger of sacrificing the limb in our anxiety to succour life not yet brought in danger. sufficient to warrant the operation, "we are then in a dilemma" says Dr. Miller, "from whose horns we can extricate ourselves only by a happy combination of knowledge, judgement, and experience,"

In cases where the reproductive power has failed, or the periosteum has been destroyed; the limb would consequently shrink and contract, then the removal of the useless member will be a matter of expediency to both patient and surgeon.

The first symptoms of this disease are those of osteitis; after a patient has (for instance) been exposed to cold, he feels pain in the bone.

which is to be the seat of disease; this is preceded probably by a slight chill, the part becomes swollen, hard and tender; the tenderness increased on pressure; the pain increasing the constitution begins to sympathize, the temperature of the whole surface rises, the skin becomes hot and dry, the pulse more frequent, full and hard, lassitude and headache, come on; the patient loses his appetite, is listless and confused, his tongue becomes white and his mouth parched, he is usually thirsty and the secretions of the body are deranged and diminished; in fact true inflammatory fever is set up. The pain in the part now, is intense, perhaps of a throbbing character, the skin of the part is red, and a circumscribed tumour is formed in which, may be felt distinct fluctuation; indicating the existence of matter, and ulceration, if not the lancet gives vent to the thin, sanious fluid, similar to that which attends caries. - All these phenomena indicate that there has been osteitis, and if the bone be now examined a considerable portion of it will be found to have perished. -

The disease sometimes assumes a more chronic form; the pain in the part, is dull and deep seated, aggravated by motion and pressure, and usually worse at night; the part around the seat of inflammation becomes enlarged and hard, on account of the effu-

sion of coagulable lymph in the surrounding parts, this gradually extends along the bone until nearly its whole length becomes involved; this effusion which nature intends to form a substitute for the dying bone, begins now, to enlarge, thicken and consolidate and presents the appearance, as if the bone were increased to twice or thrice its normal size, — The pain and inflammation continue to increase, the latter goes on to suppuration, no relief follows this result on account of the unyielding texture of the parts; the pain continues to increase, until ulceration gives egress to the confined matter if this be not accomplished by art, — One or more of these openings make their appearance in proportion to the extent of the disease; these openings assume a pointing, callous character on the external soft parts, these are called "popples," which communicate with the internal cavity by corresponding openings in the new shell, "cloaca"; — Through these openings the peculiarities which the dead bone present are to be ascertained and determined. — If the sequestrum be external it is felt smooth and solid, except at its circumference, where it feels rough and irregular by the sulcus of separation. When it is internal it feels rough and dense; and sounds resonant when struck by the probe: If it has continued for some time the pieces of bone becomes de

-tached and may be felt to move about in the cavity, —

During the stage of separation and concomitant one of reparation the discharge continues profuse and fetid; In consequence, the constitutional symptoms of osteitis, both simple and suppurative which had shown all the symptoms of intense inflammatory fever now assume the hectic type -

But the local inflammatory process, yet continues, and will continue as long as the foreign body (which the sequestrum truly is) remains unextracted; it will be resented by the living parts and a degree of inflammation will be kept up, sufficient to continue the ~~ulcerative~~ suppuration. By continual irritation being kept up, in that immediate vicinity, the soft parts become highly vascular and somewhat indurated; so that when cut they feel as if the knife were passing through a piece of "gossile", rather than the ordinary soft parts; and the hemorrhage is invariably profuse

When the dead portion is detached it does not always appear loose for it may be bound in tight embrace by the cortical formation. Generally, however, as soon as it is detached it is ~~is~~ soft or life moveable, which may be readily ascertained by a probe or the index finger and if it be not removed by art, it will be gradually pushed forward and protrude through

the opening, and the exposed part of dead bone will become blackened by atmospheric influences.

I design here to insert a few cases of necrosis, which have been treated in the Bath Infy; by Dr. N. K. Smith, these cases noted under the observations of that Scientific, Skillful, and practical Surgeon, will speak as much for the treatment of this disease, as I could otherwise say in a volume

Case first; Saml (col) aged 15 years, received a bruise on the anterior part of the tibia in the autumn of 1844 - the part became swollen, hard and painful; the pain continued for some time, it was poulticed but this afforded no relief, it went on to supuration and ulceration gave issue to the matter after this the pain was mitigated in some degree, but not entirely; the part continued hard and swollen, the swelling and hardness gradually ascending the leg until the whole length of the tibia (excepting its epiphyses) was involved - by this time several orifices were formed through which escaped a considerable quantity of thin foetid matter and occasionally small specula of bone. At Christmas 1848 he was brought to the Infy, when he entered the house the part was swollen, hard and painful, with several pointing, fistulous orifices across the shaft of the tibia, each discharging matter; A new cortical shell had

been formed around the dead one; and through the openings,
the cavity was examined and found to contain pieces of loose bone,
These pieces were removed, ~~at~~ free incision was made over the "Clow
acc," down to the ~~inner~~ shell of bone, and a portion of this removed by
a small mallet and chisel, sufficiently large to allow the extrac-
tion of the sequestrae, one piece four inches in length and sever-
al smaller pieces were taken away with a pair of strong forceps

The patient suffered considerable pain, and lost large quantity
of blood, but without any serious consequences to the constitution

The incision was filled with lint and the part poulticed; he
was confined to the horizontal position and kept on moderate diet
until the inflammatory symptoms disappeared; an anodyne
was given at night, when he suffered much pain; his bowels
kept open by mild cathartics - At the expiration of a week the
part was again examined with a probe and found to contain other
portions of dead bone; These were removed as the other portions, and
the same dressings and treatment ordered to be continued until
the local inflammatory symptoms abated; then, ^{to be} dressed with
simple cerate; all the dead fragments being now removed it
was converted into a carious ulcer of the bone; it was syrin-
ged out daily, with warm water and castile soap, the dis-
charge of matter favoured by dilating the orifices with a sponge

... the first ...
... the second ...
... the third ...
... the fourth ...
... the fifth ...
... the sixth ...
... the seventh ...
... the eighth ...
... the ninth ...
... the tenth ...
... the eleventh ...
... the twelfth ...
... the thirteenth ...
... the fourteenth ...
... the fifteenth ...
... the sixteenth ...
... the seventeenth ...
... the eighteenth ...
... the nineteenth ...
... the twentieth ...
... the twenty-first ...
... the twenty-second ...
... the twenty-third ...
... the twenty-fourth ...
... the twenty-fifth ...
... the twenty-sixth ...
... the twenty-seventh ...
... the twenty-eighth ...
... the twenty-ninth ...
... the thirtieth ...

tent and the simple dressing continued. Under this treatment
 the local inflammatory symptoms disappeared, the discharge
 ceased in a great measure, the cavity began to fill up rapidly
 by granulations from beneath and around and in April 14th he left
 the house, able to walk well, and the external orifice nearly ~~decreased~~
 Case second, Susan (colt) aged 19 years received a blow on the anterior
 part of the left tibia, just below the knee joint, in the winter 1845 by the
 kick of a horse. The bone was not broken. afterwards the part became
 swollen and painful; it was poulticed, matter formed and was let out
 by a physician, after this the pain was ameliorated for a time; but the
 surrounding part continued hard and swollen, these gradually de-
 scended the bone to near the ankle joint, during the spring and
 summer following several sinings were formed along the bone
 each discharging matter and occasionally small fragments of bones
 These continued until Nov 1846 at which time she was brought to
 the Baltimore Disp. She was then considerably emaciated and exhausted by
 the long continued irritation and discharge caused by the ulcerating
 bone. The part was sensitive and painful; and presented several
 pointing orifices, it was examined and found to contain dead bone
 The soft parts were laid freely open over the "cloak" and the new
 shell which was formed; was opened sufficiently large to allow
 the extraction of the sequestra, (this was done with a chisel and mallet)

The first of these is the...
the second is the...
the third is the...
the fourth is the...
the fifth is the...
the sixth is the...
the seventh is the...
the eighth is the...
the ninth is the...
the tenth is the...
the eleventh is the...
the twelfth is the...
the thirteenth is the...
the fourteenth is the...
the fifteenth is the...
the sixteenth is the...
the seventeenth is the...
the eighteenth is the...
the nineteenth is the...
the twentieth is the...
the twenty-first is the...
the twenty-second is the...
the twenty-third is the...
the twenty-fourth is the...
the twenty-fifth is the...
the twenty-sixth is the...
the twenty-seventh is the...
the twenty-eighth is the...
the twenty-ninth is the...
the thirtieth is the...

several small sequestra were removed with the forceps, the patient suffered intense pain and lost a considerable quantity of blood during the operation; The incision was filled with lint and the part poulticed; she was confined to the horizontal position and an anodyne given to allay irritation; the bowels were kept free by mild cathartics; the limb was cleansed daily and poultices renewed. — A week after this operation the part was again examined with a probe and found to contain other portions of dead bone, another incision was made above the other, and the fragments of bone removed, it was filled with lint and dressed as before, but the constitution suffered more than after the first operation. This was attributed to the effects of sulphuric ether gas, which she inhaled for the purpose of rendering her insensible to the pain of the operation; for some time after the operation she was delirious and when rational complained of headache and weakness; her skin was hot and dry, pulse 120 — an anodyne was administered and these unpleasant symptoms were soon removed. poultices were continued to the part until the local inflammatory symptoms had disappeared. The openings were kept dilated by means of sponge tents to favour the discharge of matter, it was syringed out daily with warm water and castile soap and dressed with sim-

file cerate. the limb was ~~separately~~ bandaged; under this treatment
the pain was relieved ~~and~~ the discharge ceasing, and the limb pre-
sents a healthy appearance and when the notes were taken there
was but one place in the bone diseased, and that was a small car-
ious spot where a large sequestrum had been removed; the other parts
of the cavity were filled up; and ~~was~~ ^{was} nearly so; ~~and~~ presenting a
healthy aspect, at the time the notes were finished. — — —

Case third, Philip Modder, aged 18 years, of a scrofulous diathesis
entered the Inf. Dec 7th 1846. Three years previous to that time he
was attacked by pain in the left fore arm; just above the wrist
joint a circumscribed tumour was formed, this soon pointed, and
ulceration soon gave exit to the matter, after this the pain ceas-
ed in some degree but the discharge of matter continued; the parts
around became swollen and hard; these gradually ascended the arm
to near the elbow; several other orifices were formed along the arm,
in the same manner as the first and through these there was
a continual discharge of matter, and occasionally small pieces of
bone. These continued until he came to the Inf. when he en-
tered the radius was found to be increased,

Though the opening the part was examined and a considerable por-
tion of dead bone found in the cavity of new bone, which had al-
ready been formed, it may be proper to state that the external

orifices were of the pointing, colous character usually termed, "propella.")

The portions of dead bone were removed; a fine incision was ~~not~~ made down to the cortical portion, and a portion of this removed sufficiently large to allow the extraction of the sequestrum, was done by a pair of strong forceps. But a part of the sequestrum was not sufficiently detached to permit its removal. The incision was filled with lint to stop the haemorrhage; the part was poulticed daily for a week; when it was again examined, and the remaining portion of dead bone was removed. This operation was attended with intense pain and considerable haemorrhage, the wound was again filled with lint and poulticed until the local inflammatory symptoms; this was soon accomplished; the pointing orifices which had existed, now assumed their proper level and in three weeks after the removal of the last portion of bone was allowed to leave the house; without a trace of dead bone left. The discharge had nearly ceased, and the granulations on the soft parts presented a healthy appearance.

Case 4. Chas Snow aged 35 years; was taken in April 1848 with pain and tenderness in the upper part of the right tibia; with these symptoms there was some fever, and the case was treated as one of rheumatism; the pain and swelling in the part increased; and a small tumour was formed containing matter; this was poulticed

but the matter bound down by integuments and fascia insinuated itself beneath these and pointed some distance below the seat of disease it was opened and the matter evacuated; The discharge kept up and the pain continued, during the summer and autumn and on the 29 of Dec. he entered the Hosp; The diseased part was examined and a fistulous canal about four inches in length extended up the leg to ~~the~~ head of the tibia: this was laid open, but the seat of disease was not then detected; The next day it was examined again; and a cavity (as large as a hen's egg) was found in the head of tibia, containing a sequestrum of considerable size; The external orifice was enlarged and the sequestrum removed with a pair of forceps. The peculiarities in this case were; the limited extent of the disease, the manner in which it penetrated the bone, it was confined to the external portion of the head of the tibia, and no provisional calous had been ~~formed~~ around the dead portion

The removal of the sequestrum converted it into a carious ulcer and it was treated accordingly; The patient was confined to the horizontal position and the part protected, he was kept on the antiphlogistic regimen until the local inflammation concomitant upon the operation had subsided. The part was then syringed out with a solution of the sulphate of zinc

three grains to the ounce of water, and dressed with Turner's ce-
 rote. The apices were kept open by sponge tents to favour the dis-
 charge of matter: under this treatment the discharge gradually
 ceased and granulations sprung up from ^{the bottom} and around the sides
 of the cavity, which gradually filled up; and in four weeks
 he left the house with the cavity nearly filled and the exter-
 nal granulations presenting a healthy appearance.

Case 5 Tho^s Spazier aged 33 years, was seized about the last of
 Sept 1846 with pain in the left thigh, accompanied with fever
 and loss of appetite; the pain was deep seated, continued and
 increasing in intensity; the limb swelling and becoming ten-
 der; a physician was called in, and cups were applied along
 the thigh and some medicine given, (but of what kind I know not)
 these were followed with but little benefit; When he entered the
 Infy (on the 14th of Oct) he had slight inflammatory fever and the
 thigh swollen, hard and painful, the pain deep seated and in-
 tense; ^{and} the femur felt to be twice as large as usual.

This was considered to be the incipient stage of necrosis, and was
 treated accordingly. The patient was confined to bed and ~~that~~ upon
 the antiphlogistic regimen. counterirritation was induced in
 the part by means of Granville's lotion, cloths saturated with this
 was applied to the part and prevented from evaporating by oil-

ed silk. this was kept to the part until it was blistered, and the application renewed as soon as the blistered surface healed. The hydriodate of potash was given in \frac{v} gr doses, three times a day - his bowels kept open with some mild cathartic - equal parts of stramonium and bella donna ointment was made into an ointment, and the part anointed with it - and an anodyne given at night when the pain was considerable

At first the disease yielded with Reluctance, but perseverance with the remedies proved successful; the pain and swelling were removed in a considerable degree, and the inflammatory fever had disappeared; she left the Sp^h on the 14th of Nov - But from improper exposure the disease was renewed with its prestine severity, and on the 23rd of the same month, he returned to the Sp^h with the same symptoms presenting as when first she entered. The same plan of treatment was resorted to with the same happy results and on the 11th of Dec the disease was so far removed that he was permitted to return home,

Treatment = There are few diseases, in which Surgery has a more complete triumph, than, she has in Necrosis; and in this disease, it is; that Surgery is called upon to ~~interfere~~ and assist Nature in ^{all} its stages; In the first stage of the disease, when the inflammation is extensive; the patient must be confined to the

horizontal posture, and kept on low diet, the part locally depleted by leeches or cupping glasses. If the patient be plethoric and otherwise able to bear it, blood should be taken from the arm, and his bowels cleared out by a brisk cathartic, & counter irritation ought to be kept up on the surface: Granville's lotion answers this purpose very well this should be kept to the part until it is blistered this can be effected by preventing evaporation by covering the cloths with oiled silk, or, if the parts be swollen and hard an ointment composed of equal parts of Hydriodate & Mercurial ointments will keep up gentle irritation and cause the absorption of the infiltrated matter - The Hydriodate of potash has been highly recommended in this disease, coming on in a scrofulous diathesis, for its alterative and resolvent effects in doses from five to ten grains twice a day. If the patient be irritable an anodyne must be, occasionally given, ten or fifteen grains of Dover's powder or from one to four drops of Hydrocyanic acid at night or as occasion may require. The local pain may be somewhat relieved by anointing the part with an ointment composed of equal parts of stramonium and bella donna ointments -

The continuation of this plan of treatment will be verified by the abatement of the local and general inflammatory symptoms. But should these remedies prove inefficient, to subdue the

inflammatory symptoms and these continue to increase in inten-
-sity, or, even be obstinate in yielding; more efficient measures
must be at, once resorted to, - A free incision should be made
down to the bone, and a button of this removed by the trephine, to
relieve the tension of the parts and favour the discharge of mat-
ter; by this early operation much time, texture and pain, will
be saved, to which the patient would otherwise be inevitably
doomed. The ^{part} should, now, be practiced to favour suppuration,
and the separation of the dead bone, if any be necrosed must be left
entirely to the work of Nature: we must content ourselves with o-
-verlooking her operations and taking care that they are not inter-
-rupted; with the later object in view the part should be kept at
rest and if ~~any~~ inflammatory reaction at any time threaten, look
is, fermentations special rest, and the general antiphlogistic regi-
-men rigidly enforced and maintained to procure its speedy
arrest; If the discharge be great and hectic fever comes on we
must endeavour to remove the cause, support the system with
tonics and stimulants; these must not be given in sufficient
quantity to add to the excitement, nor increase the heat of
skin, thirst and perspirations, When the ^{separation} is complete it is,
then, the duty of the surgeon to interfere; Nature's power of separ-
-ation is adequate and admirable, but her power of extrusion is

weak and imperfect, and the surgeon who imposes on her the latter is both negligent and unskillful."

The condition of the sequestrum may be ascertained by means of a probe, and when it is found to be detached; an incision should ~~be~~ made through the soft parts directly over the "cloaca", and a portion of the new formation cut away sufficiently large to allow the extraction of the sequestrum, for this purpose various instruments have been used and recommended Key's Saw cutting forceps, &c.; but the ones, now, often used and considered by some to be the best, are the chisel and Mallet, with these the operation is performed with greater facility, and less pain to the patient, than with the others. After the opening is made the sequestrum is to be removed with a pair of strong forceps, when the sequestrum is long, and the opening near the middle of the cortical shell, the operation may be facilitated by cutting through the sequestrum, with, cutting forceps, and removing each piece separately. After the sequestrum has been removed the wound should be ~~filled~~ with lint to prevent haemorrhage, which might otherwise be profuse; a large poultice must be applied to the diseased part and a strict antiphlogistic regimen rigidly maintained, to keep down, the inflammatory symptoms which are apt to be the result of the interference, however,

Th. M. Thompson, President

of the
University of Maryland

submitted to the Board of the

President, Regents & Faculty of the

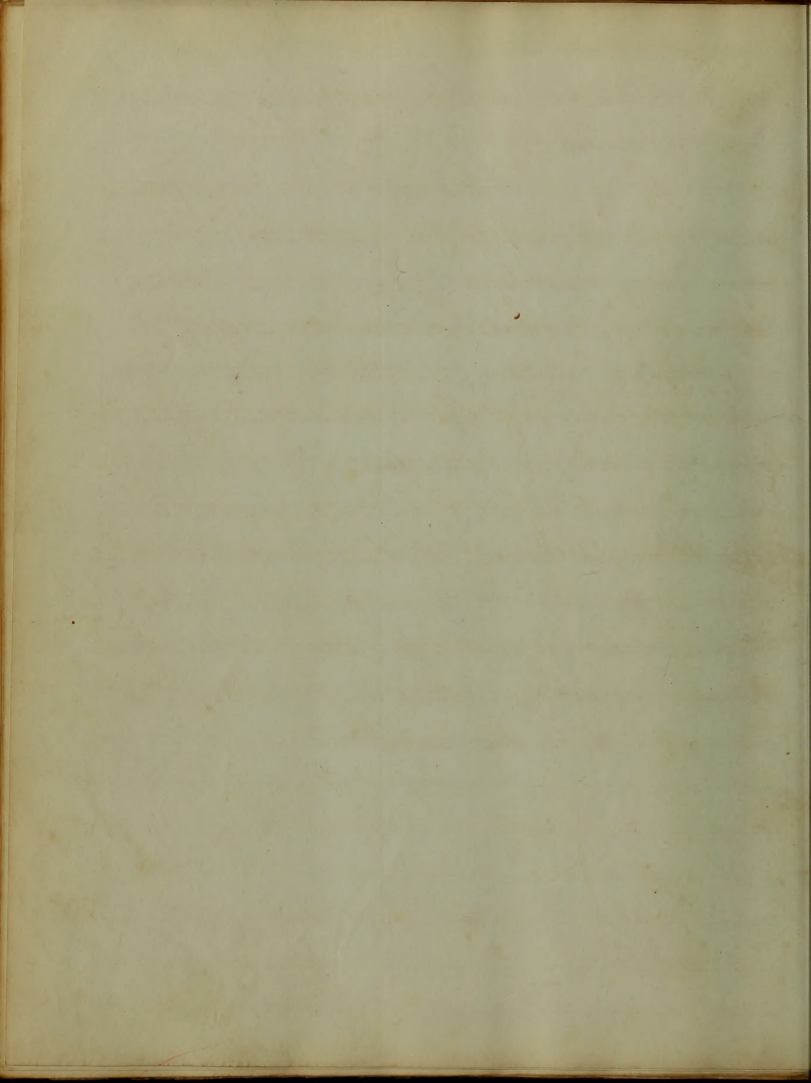
University of Maryland

in the Department of

the

of

Ms. 230.1007 3



An Inaugural Dissertation
On
Cephalalgia

submitted to the Examination of the
Provost Regents & Faculty of Physic
Of the University of Maryland

For the Degree of Doctor of Medicine

By
Thos^r A. Lynch
of Maryland

Feb 20th 1847

The University of Maryland

Library

presented to the University of Maryland

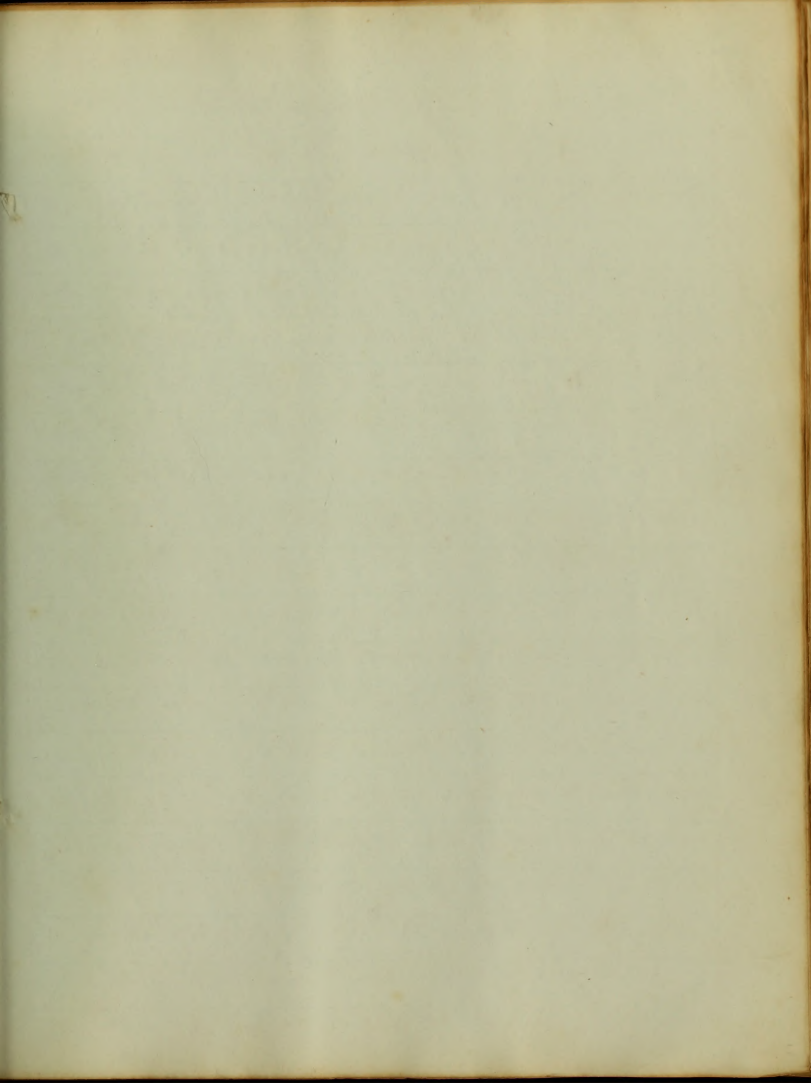
by the Board of Trustees

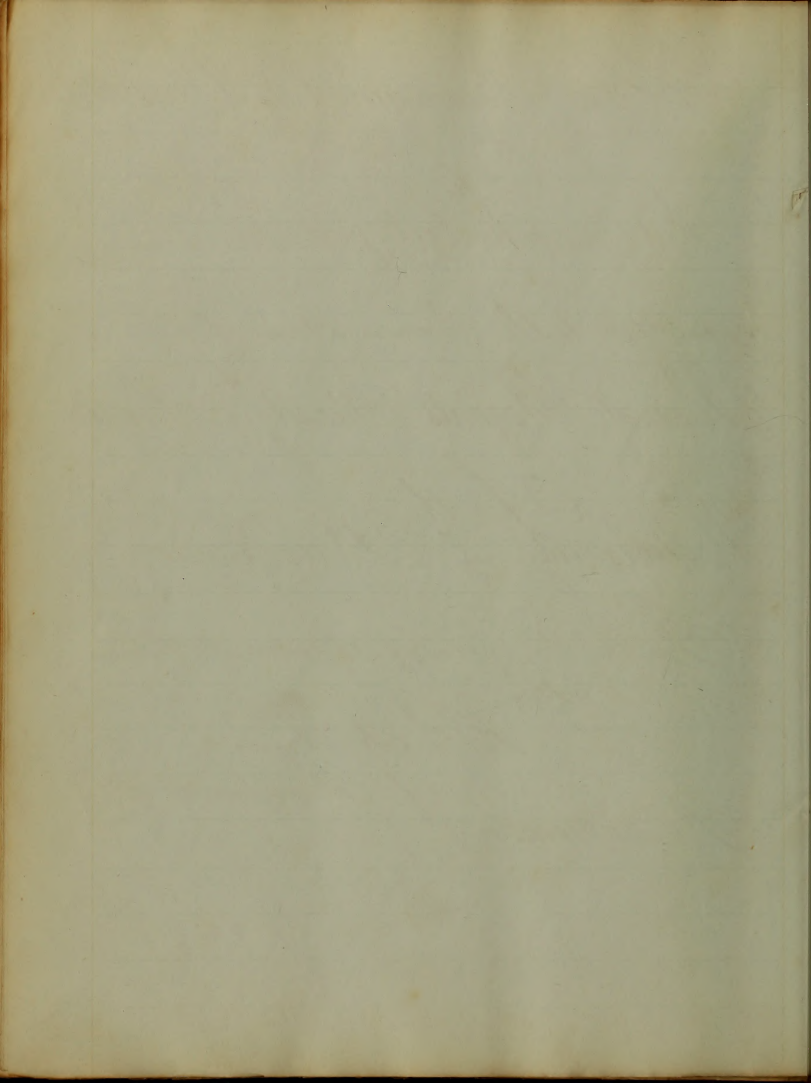
of the University of Maryland

in the year of our Lord

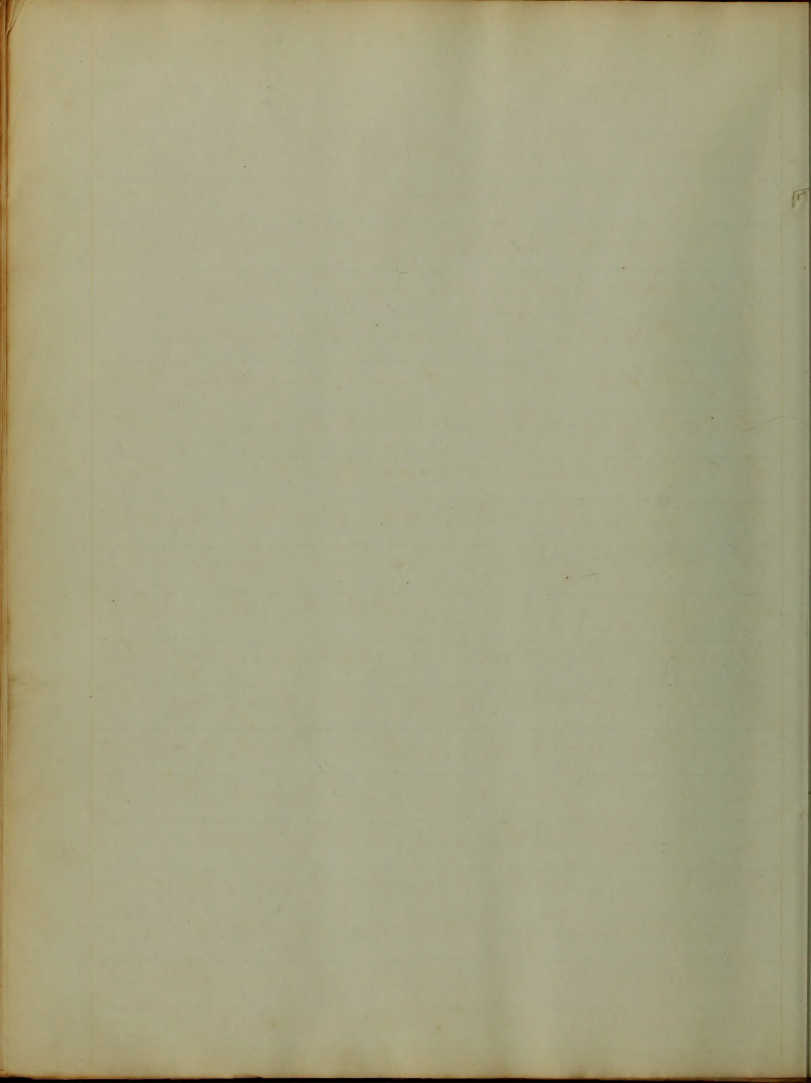
1862

of the University of Maryland





The disease which I have alluded to is not
yet for a brief description in our
works the whole burden of the
life affected - and yet it is not
more subtle than the most common
of its kind than the one just mentioned.
Not but there are many diseases
connected to the system, and the
algia yet they are not so generally
distributed among men that we
they so frequently than attention to
the same system. The first kind
occurring in every latitude. The
starts of the more covered regions of the
north, and those of the sunny south
are alike, affected with the same
disease in its various forms. The
frequency of this affection is
peculiar, and I think it should draw
a full share of attention at the hands
of every medical student. For there is
no disease which is so much neglected



Cephalalgia.

The disease which I have selected as a subject for a brief dissertation, is one with which the whole human family is more or less afflicted - and perhaps there is no disease which entails more suffering on some of its victims than the one for consideration. Not but there are many diseases more dangerous to the vital economy than Cephalalgia, yet they are not so universally distributed among mankind, nor, are they so frequently in their attacks on the same person. We find headache occurring in every latitude. The inhabitants of the snow covered regions of the north, and those of the sunny south, are alike afflicted with Cephalalgia in some one of its various forms. The very frequency of this affection gives to it importance, and I think it should claim a full share of attention at the hands of every medical student. For there is no disease which it is more important

for him to possess a thorough knowledge
of the pathology of, in reference to proper
treatment than this. And yet I much
fear that as a general rule it receives
as little or perhaps less attention than
any other. Herein it is, that we find
headache becoming worse under the
treatment of many medical men and
it is very natural that it should be
the case, when we consider the uniform
treatment pursued in every case that
may occur without any reference to
the variety of the disease, or the cause
upon which it depends, for we may
have headache occurring in directly
opposite states of the system, and of
course demanding different modes of
treatment, and yet we have men who
call themselves physicians, treating
every case that may arise, as depen-
dant upon some derangement of the
Prima via. To what are we to attribute

such unpardonable ignorance? To the little attention they have bestowed upon it they have considered it an unimportant affection; when indeed it is a very important one. First, I shall describe the characters and symptoms of headache which are very variable but are of great importance, In reference to its severity the pain may at first be so slight as hardly to attract the attention, and may vary until it becomes so severe as to be almost intolerable. In its situation it may be superficial or deep seated sometimes the pain is diffused so that it can be ascribed to no particular place or it may occupy only a part ^{more} ~~under~~ or less circumscribed; such as the forehead, temples occiput or vertex; when one side of the head only is affected, it is called hemicrania, when the pain is confined to a small spot so that it can be covered with the finger

Clavus; when under the eyebrows, sub-orbital; when in the ear, otalgia &c. In character it is differently described by different individuals, as dull, heavy, numbing, pricking, acute, tearing, splitting, lancinating bearing. throbbing &c. &c. Some persons state that the head appears open, others that the pain resembles continued strokes on the cranium, made with a small hammer, or as if wedges or nails were driven into the brain. There are often heard various noises in the head, as whistling, humming, ringing, buzzing, drumming and detonation; different affections of sight as ocular spectra, dimness, black spots, bright rings, sparks &c. and more or less obtuseness of taste and odors. General sensibility may be augmented, so that the slightest contact, causes great agony; the scalp in particular is often excessively tender to the touch, Sometimes it is diminished or partially

destroyed. The memory is sometimes affected by frequent severe attacks. The collateral symptoms should also be attended to. The face is often hot, flushed and swelled, or pale, cold livid and sunk. The eyes may feel heavy or painful, and appear injected or suffused. Sometimes the circulation is increased the temporal and carotid arteries beating with violence; at others the pulse is small hard and weak, and the veins of the head and neck occasionally swollen. There may be thirst loss of appetite and disgust for food; acidity and flatulence of stomach, eructation ^uscarcely and vomiting. The bowels are often costive and deficient in biliary secretion, the skin dry or unusually moist &c. Causes, "Women are more liable to headache than men, on account of their having a higher degree of irritability and delicacy of constitution. Their sedentary life also; and the great changes produced in the system by

the flow of the menses, particularly if it be retarded, increased or diminished render them peculiarly predisposed to this malady." Some physicians, suppose Cephalalgia to be hereditary and that it may be transmitted by the father or the mother for several generations. We know nothing however regarding this point. Among other causes which predisposes to headache, are a too early or long continued use of the mental faculties; unrestrained indulgence in the passions, mental anxieties fulliving and consequent state of plethora; or, on the other hand insufficient diet, and anemia; indulgence in bed; neglect of exercise in the open air; Intestinal worms &c The exciting causes are numerous; such are the abuse of vinous or spirituous liquors; errors in diet especially too great quantity or variety of food especially of indigestible rich or heavy articles; inspiration of deleterious gases, miasmata, impure air of crowded or insufficiently ventilated rooms

The first of the number, I have seen of 17. 18.
I have seen also in the same number, the
second of the number, I have seen of 17. 18.
I have seen also in the same number, the
third of the number, I have seen of 17. 18.
I have seen also in the same number, the
fourth of the number, I have seen of 17. 18.
I have seen also in the same number, the
fifth of the number, I have seen of 17. 18.
I have seen also in the same number, the
sixth of the number, I have seen of 17. 18.
I have seen also in the same number, the
seventh of the number, I have seen of 17. 18.
I have seen also in the same number, the
eighth of the number, I have seen of 17. 18.
I have seen also in the same number, the
ninth of the number, I have seen of 17. 18.
I have seen also in the same number, the
tenth of the number, I have seen of 17. 18.

7
Suppression of accustomed discharges, as epu-
tasis, the menstrual secretion or hemorrhoidal
flux, spontaneous, or artificial leucorrhoea
supine posture with the head low, a tight
cravat, or straight corset; abrupt changes
in the electrical changes of the air, low diet,
and prolonged fasting; the various depres-
sions, as alarm, fear, grief, anxiety of mind
want of sleep, use of tobacco, digitalis, opium
belladonna, aconitum, and other narcotics
especially in certain idiosyncrasies, or in
large or unaccustomed doses; costiveness
or constipation exposure to the sun
Finally Cephalalgia may be sympto-
matic of other diseases, as of fever, phrenitis
congestion of the lungs, hypertrophy of the
heart, the presence of worms, inflammation
various diseases of the eye &c

Varieties— According to the best authorities
we have seven varieties of Cephalalgia.
First— The congestive form, congestion
occasioned by increased or diminished—

The history of a nation is not a mere
list of events, but a story of
ideas, of struggles, of a people
striving for a better life, a life
of freedom and justice. It is a
story of the triumph of the
human spirit over the forces of
darkness and oppression. It is
a story of the power of love and
compassion to overcome the
harshest of conditions. It is a
story of the courage of the
individual to stand up for
what is right, even in the face
of overwhelming odds. It is a
story of the hope that springs
from the darkest of times, a
hope that leads to a brighter
future. It is a story of the
strength of the human will, a
will that can endure the most
severe trials and emerge
stronger than ever before. It is
a story of the beauty of the
human soul, a soul that is
capable of the greatest acts of
kindness and self-sacrifice. It is
a story of the glory of the
human achievement, a glory that
inspires us to reach for the
stars. It is a story of the
triumph of the human race, a
triumph that is the result of
our collective efforts and
shared dreams. It is a story
of the power of the human
mind, a mind that can create
art, science, and technology. It
is a story of the love that binds
us together, a love that is the
foundation of all that is good
and beautiful in the world. It
is a story of the hope that
guides us through the darkest
of times, a hope that leads us
to a brighter future. It is a
story of the strength of the
human will, a will that can
endure the most severe trials and
emerge stronger than ever before.
It is a story of the beauty of the
human soul, a soul that is
capable of the greatest acts of
kindness and self-sacrifice. It is
a story of the glory of the
human achievement, a glory that
inspires us to reach for the
stars. It is a story of the
triumph of the human race, a
triumph that is the result of
our collective efforts and
shared dreams. It is a story
of the power of the human
mind, a mind that can create
art, science, and technology. It
is a story of the love that binds
us together, a love that is the
foundation of all that is good
and beautiful in the world. It
is a story of the hope that
guides us through the darkest
of times, a hope that leads us
to a brighter future. It is a
story of the strength of the
human will, a will that can
endure the most severe trials and
emerge stronger than ever before.

vital action of the heart and blood vessels -
 Second - The inflammatory, from inflammation ⁱⁿ of the membranes or substance of the Brain
 Third - The sympathetic, from disorder of the digestive, biliary, uterine, urinary and other organs. Fourth - The organic form of the bones of the cranium, membranes, or substance of the brain - Fifth the neuralgic, from affection of the nerves distributed to the integuments. Sixth - The metastatic of disorder; and Seventh - The intermittent occurring at stated periods

Diagnosis. - The congestive headache may be known by the occasional vertigo and a sense of fulness or weight in the head. The pain is acute, and not fixed to one spot or or long continued; It comes on gradually reaches its highest intensity and then slowly declines these changes are often very quick and are not observed. It is often produced by stooping, sleeping with the head

low, wearing a tight cravat.

This variety may be divided into two kinds distinguished by the debilitated or plethoric state of the system. The first is recognized by feebleness of pulse, paleness of countenance &c. in the second variety the pulse is full, these are symptoms of plethora, and this form is generally met with in persons habituated to full living; This variety of Cephalalgia is more severe either in the morning or in the evening. The inflammatory headache is distinguished by a strong pulse heat of surface and general fever, flushed countenance, suffusion of eyes and sometimes intolerance of light. The pain is very acute and throbbing accompanied with a pulsating noise in the ears or temples. The patient is excited restless, watchful and irritable, in the more advanced stage, convulsions and delirium appear accompanied by symptoms which indicate inflammation of the

brain and its membranes - Sympathetic headache - When this form of headache is dependant upon any derangement of the stomach, liver, or alimentary canal, it may be known by the foul state of the tongue, and improper performance of the digestive function, the pain is often ⁺ diffused _^ over the head, but is sometimes more circumscribed, usually affecting the forehead or one temple, particularly the left -

The headache is usually present in the morning when the person wakes; and in slight cases often disappears after breakfast or some ^{times} earlier - The organic headache in the earlier stage is with great difficulty distinguished from other varieties. A careful examination however into the previous history of the case will enable the observing physician to learn that the pain often occurs in paroxysm without any apparent cause, and at irregular periods; that when present it is increased by con-

resation and active occupations and relieved
 by solitude, tranquillity, and absolute repose.
 The character of the pain is lancinating, or
 darting, apparently confined to one spot and
 if the bones are affected, increased by pressure.
 If there be vomiting it may be distinguished
 from that which accompanies dyspeptic
 headache by its being apparently independ-
 ant of any error in diet or affection of the
 stomach, and by its occurring when
 the pain is most violent, and not pro-
 ducing any material relief. The neural-
 gic headache is readily known by the
 severity of the pain, and its shooting
 character following the course of the nerve,
 but sometimes confined to one spot. It is of
 short duration and comes on in violent par-
 oxysms leaving intermissions which are some-
 times considerable.

The metastatic headache includes two va-
 rieties. First Rheumatic headache, may
 be known by the severe aching pain oc-

11
The structure of the brain is so organized
that it is capable of receiving and
storing information in a way that
allows it to be recalled at a later
date. This is done by the formation
of new connections between
neurons in the brain. These
connections are formed by the
growth of new dendrites and
axons. The process of learning
is therefore a physical one, and
it is this physical change that
allows us to remember things.
The brain is a very complex
organ, and it is still a mystery
how it works. However, it is
clear that the brain is capable
of learning and storing information
in a way that allows it to be
recalled at a later date. This
is done by the formation of new
connections between neurons in
the brain. These connections are
formed by the growth of new
dendrites and axons. The process
of learning is therefore a physical
one, and it is this physical change
that allows us to remember things.

cupping the scalp, increased on applying pressure or on the slightest movement of the muscles connected with it. It generally increases in the evening and is sometimes associated with inflammatory or congestive headache. The arthritic form is severe occurring in persons of a gouty diathesis. The pain is attended with a sense of heat, or burning, a great tenderness, and increased heat of scalp, flushed countenance, confusion of thought, and loss of memory, vertigo, dimness of vision, intolerance of noises and most of the cerebral symptoms which characterises the severe forms of the congestive and inflammatory varieties. The history of the case however and its connection with some of the forms of Gout will readily distinguish it.

The intermittent headache is analogous to the neuralgic and is distinguished by regularity of the paroxysms. The pain is often excruciating and is usually dependant

capturing the staff, it is a matter of opinion
whether even the most momentary of the
minds could be able to do so, and
was in the evening, and the hands were
consequently not fastened in position
handed. The article from is a
concerning in part of a paper, the
The fact is stated with a view to
of having a great interest in the
but of itself, I think, is a
function of the eye, and the
water, the water is not
series of objects, the
character of the
and in the morning, the
of the day, and the
level of the forest, but
roughly it is a
The method of
method, and to
of the forest, the
series of objects, and

upon the same causes that produce inter-
mittent fever.

Prognosis. The prognosis of headache en-
tirely depends upon the accuracy of the
diagnosis. In all organic affections of the
brain the result is generally fatal although
if the symptoms are developed slowly this
may be deferred for several years especially
if judicious treatment be pursued. In ca-
ses of this variety therefore the prognosis
will always be unfavourable. Much cau-
tion is also necessary in giving a prog-
nosis in the inflammatory and metastatic
varieties. The arthritic in particular is
an affection demanding a very guarded
opinion. The prognosis in the sympa-
thetic variety will depend upon the extent
to which disease affects those organs pri-
marily disordered; but in this, and the re-
maining varieties the prognosis is generally
favourable for the recovery of our patients
Treatment. It is a lamentable truth that

the treatment of Cephalgia generally speaking has been conducted on principles which partake too much of empiricism and that purgatives and other remedies which act on the primæ viæ have been too indiscriminately employed.

A study of the pathology of this affection however must convince the practitioner that headache may depend upon states of the system directly opposed to each other; that occasionally it is complicated with or seems to form a part of other morbid aches; and that consequently its treatment must be varied accordingly to the morbid conditions present, and the organs primarily affected: with this view a diagnosis of variety is absolutely essential.

Conjunctive Headache. This variety will demand two opposite kinds of treatment according as it is dependant on increased or diminished action or in other words plethora or anæmia. Upon the former general blood letting.

the treatment of the patient generally
 which has been conducted in a
 which part of the system of medicine
 and that the patient and the
 which act on the patient's
 due to the treatment of the
 the nature of the patient's
 however must remain the
 that the patient's system of
 of the system itself, of which
 also, that occasionally it
 with a view to give a part of
 action, and that the patient's
 that the patient's system of
 but essential part, and the
 frequently offered, with the
 view of more fully
 perfect the system. This
 character and of the
 according as it is
 the patient's system of
 a number of the

is indicated the extent of which is to be guided by the age and constitution of the patient and affusions to the head are also usefully combined with warm and stimulating applications to the feet. But should it be connected with or dependant upon an opposite state of the system, and symptoms of debility be present, then a stimulating and tonic plan of treatment is to be adopted which must be influenced by the state of exhaustion to which the patient is reduced. If this be extreme much caution is necessary as irritative fever is in such cases readily induced particularly in females. Small and repeated doses of ℞pts Ammoniac, or alkaline carbonates with some bitter infusion will improve the state of the system and increase the appetite. The diet should be now rich and at the same time light, and digestible, and a glass of good wine may be taken at dinner. Inflammatory Headache. This demands active bloodletting and antiphlogistic.

treatment

Sympathetic Headache. The treatment of this variety of Cephalalgia, must be directed to the cure or alleviation of those maladies on which it depends. The dyspeptic headache of authors is benefited by all those means adopted to prevent indigestion and with this view a light diet regular exercise in the open air, a purgative combined with tonics, and such remedies as promote the regularity of the excretions and secretions, are indicated.

When Cephalalgia is connected with any derangement of the biliary functions (constituting the bilious headache) in addition to the general treatment above pointed out it is judicious to combine with the Purgatives, such medicines as have a special action on the liver. For this purpose calomel or blue pill may be mixed with the purgative pill masses, and given in moderate doses according to the strength

of the patient. "When headache follows the suppression of Cutaneous eruptions diaphoretics and the warm and vaporbaths are to be employed. If it arise from disorders of the uterine functions removing the original affection is the only means of permanently remedying the Cephalgia. The same may be said when it is connected with disorders of the Urinary or other organs. When the teeth are decayed extraction is necessary, or the application of remedies which alleviate the pain as opium, Creasote &c.

The Hysterical Headache. is to be combated by the use of tonics, antispasmodics and purgatives in necessary doses according to the age and constitution of the patient.

"All the Therapeutic remedies useful for removing the general nervous derangement tend to relieve Cephalalgia."

Organic Headache. In this variety if there be reason to believe organic change -

exist in the substance of the brain, absolute tranquility and the horizontal position are necessary elements in the treatment.

With this should be combined; first general and local bloodletting, purgatives and antiphlogistic diet. This should be followed by blisters over the temples behind the ears, to the occiput, and nape of the neck frequently repeated and dressed by stimulating ointments in order to keep up discharge. If vomiting is a frequent symptom "This action to be relieved by some effervescent draught or hydrocyanic acid, both of which have often been useful in temporarily alleviating the distress occasioned by it. In general however therapeutical remedies only alleviate the symptoms, and by no means prevent the progress of the disease"

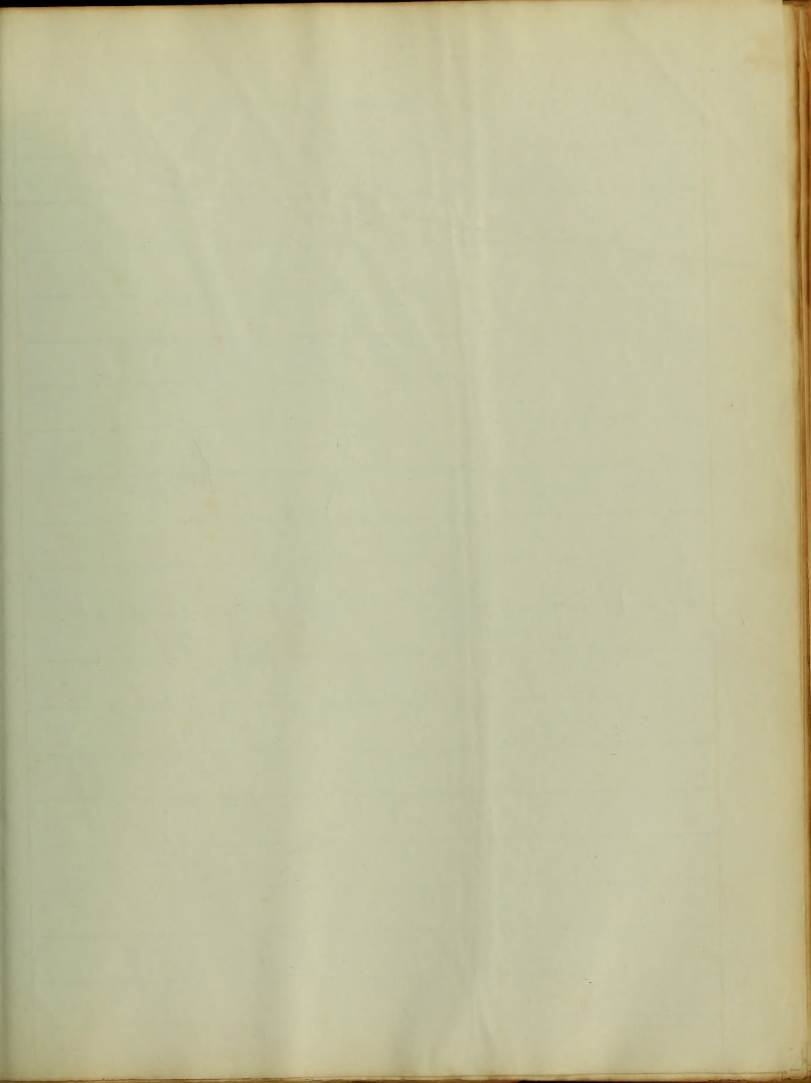
When the bones are affected by a syphilitic taint in the system, remedies adapted to the cure of that malady are to be employed

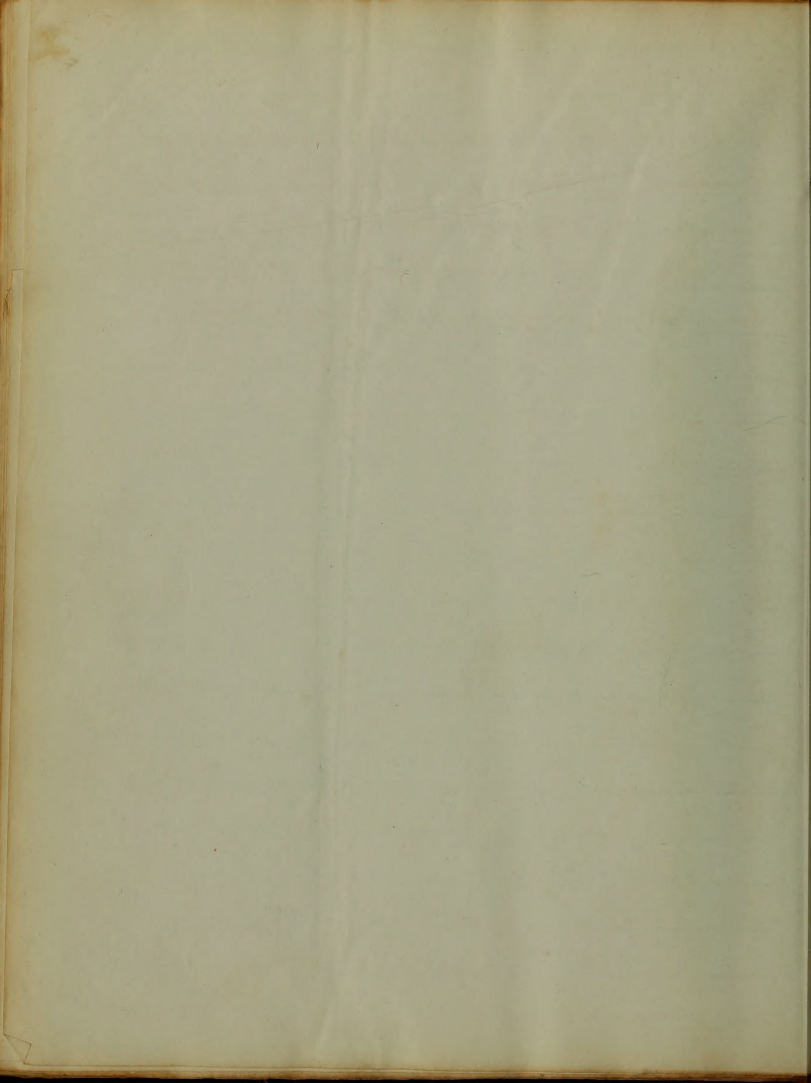
and in the other half of the case, the
 danger of such the dangerous part of
 the system is the danger.
 With the object of containing, first the
 - and the first of the system, the
 and the danger of this system is
 followed by the danger of the system
 during the case, the danger of the system
 of the system, the danger of the system
 by the danger of the system in order to
 the danger of the system, the danger of the system
 present system, the danger of the system
 to some effecting the danger of the system
 - some are, both of which have the
 been in the danger of the system
 the danger of the system, the danger of the system
 over the danger of the system, the danger of the system
 the danger of the system, the danger of the system
 danger of the system, the danger of the system
 then the danger of the system, the danger of the system
 last in the system, the danger of the system
 the danger of the system, the danger of the system

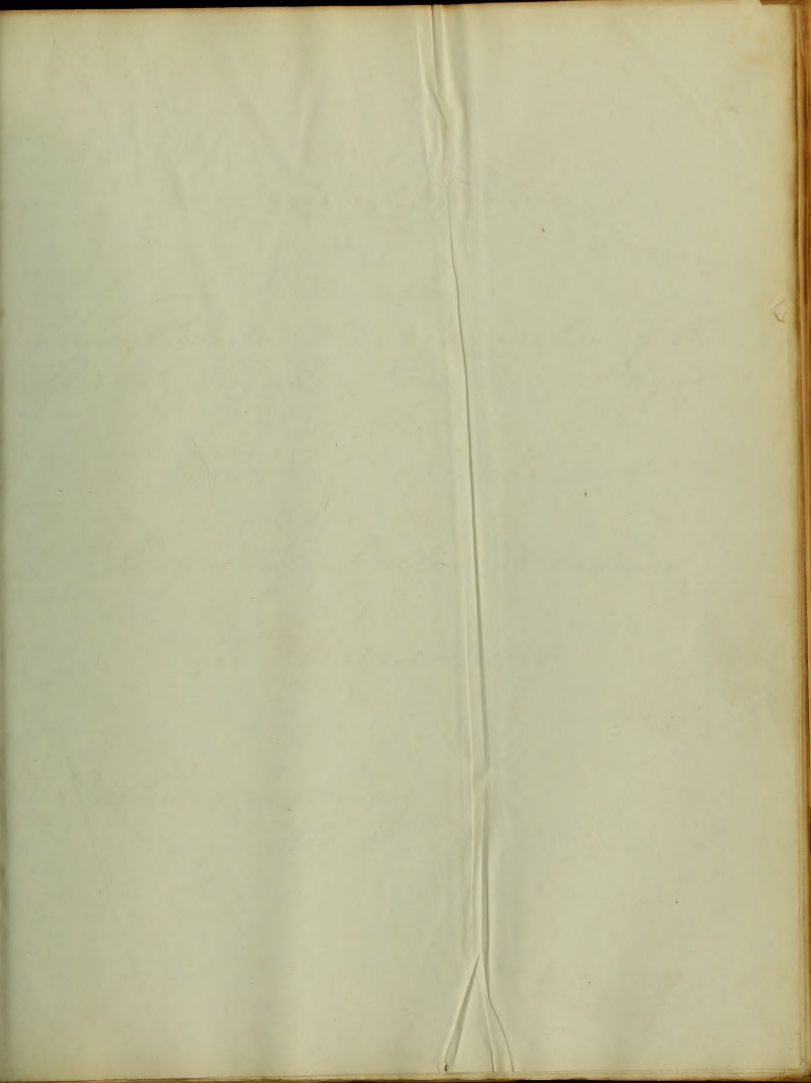
If caries exist the usual surgical treatment is to be followed.

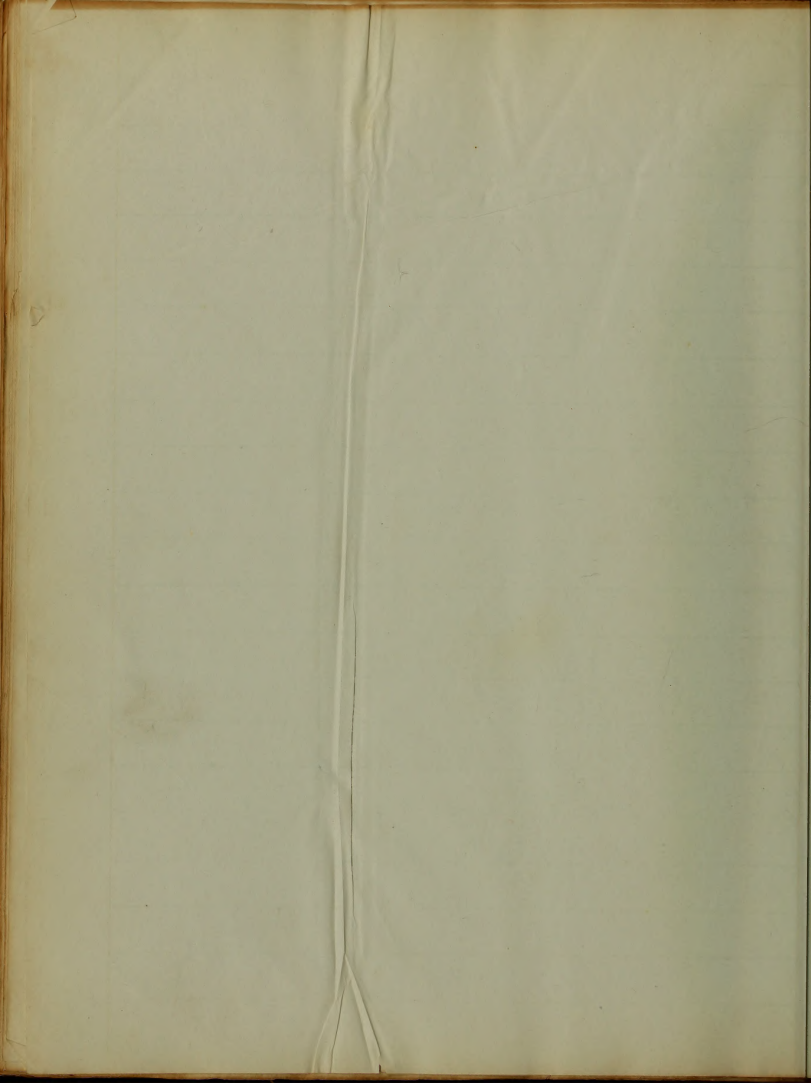
The metastatic headache including the rheumatic and arthritic, together with the neuralgic and intermittent ones are to be treated in the same manner as the diseases of which they usually form a part.

I have written the name of the person
 in the following
 The following is a list of the
 names of the persons who
 have been in the same
 of which they were all
 found.





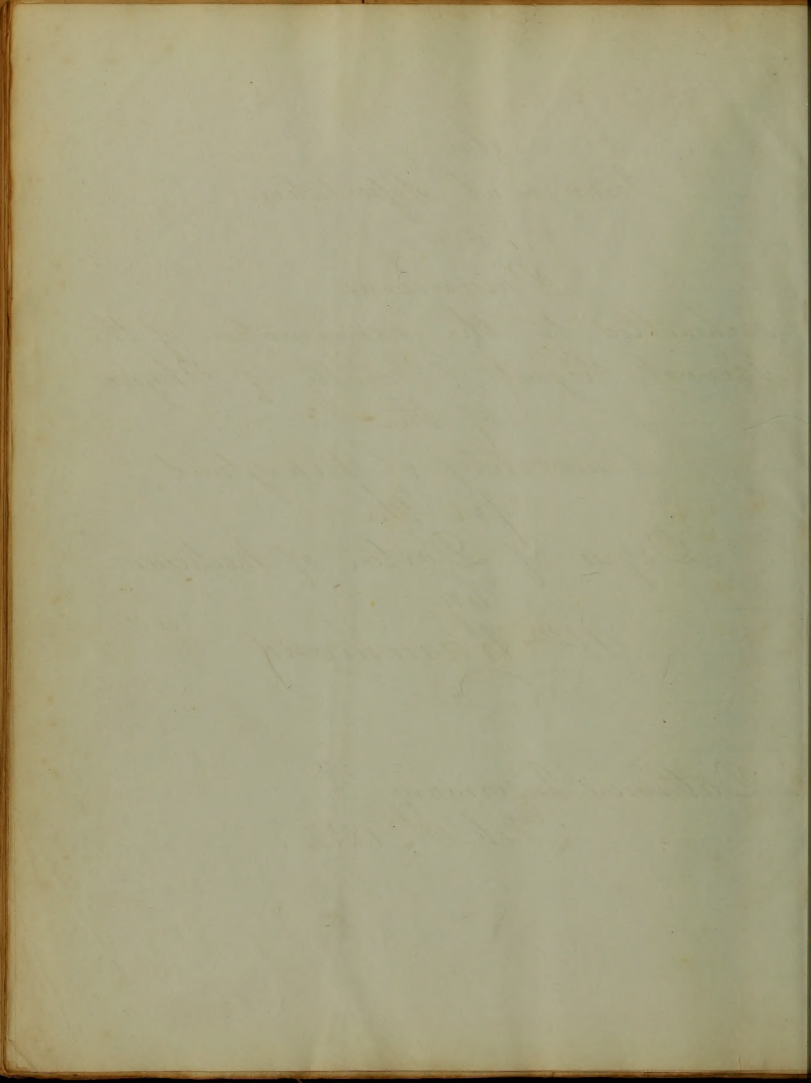




An
Inaugural dissertation
on
Pneumonia

Submitted to the examination of the
Provost, Regents & Faculty of Physic
of the
University of Maryland.
for the
Degree of Doctor of Medicine
by
Wm. Hammond
Dⁿ

Baltimore Infirmary
Feb. 1st 1847.



To the attending Physicians &
Surgeons of the Batt. Infirmary;
this essay is dedicated, as a
trifling memento of their many
marks of attention & kindness to
the Resident Students of that
institution, &c

The Author.

I have chosen for the subject of my thesis, one which is well understood, & whose nature & phenomena are agreed upon by all authors of eminence. Acute idiopathic inflammation of the lungs occurring in a previously healthy adult, is what I propose to treat of. I make this distinction because there are many circumstances which modify materially the whole character of pneumonia, & the limits of my intended essay will not permit me to treat of the disease with all its complications.

Both for convenience & the sake of simplicity, before entering into a minute detail of its nature & peculiarities, a division into several

I have chosen for the subject of
my thesis, for which I wish to
submit a paper, the subject of
the influence of the
state upon the
development of the
individual. I wish to
show that the state
has a profound influence
upon the individual
and that this influence
is not always for the
benefit of the individual.
I wish to show that
the state has a profound
influence upon the
individual and that
this influence is not
always for the benefit
of the individual.

heads of its phenomena, will be advisable.
 For this purpose there is none or can
 there be any more simple & perfect
 than that followed by Dr. Watson,
 to whom I will be indebted not
 only for my heading, but for the
 general frame work of my production.
 The order which he proposes & which
 I intend to follow, is first, to state
 generally what pneumonia is, then
 its stages & the differences in the morbid
 anatomy attending each stage, the
 physical signs, the general symptoms,
 its course, prognosis & treatment.

Pneumonia is an inflammation of
 all the tissues composing the lungs.
 Like inflammation in all other
 tissues & organs it presents different
 phenomena at different periods of its
 existence & tends to one or other of
 its usual terminations. During the course
 of a pneumonia the lungs present the

well marked & distinct stages.

The first is that of engorgement or congestion. The substance of the lung is gorged with bloody serum, which gives it a dark red appearance, renders it more dense, inelastic & less crepitous than healthy lung; it retains the impression of the fingers & is, as it were oedematous. Its consistence is less firm, resembling in that respect the spleen, from which circumstance, the term splenization has been given to this stage. When it is cut, we find the internal surface presenting the same red appearance as externally, & a large portion of the above mentioned bloody serum, rendered frothy by the admixture of air, flows out from the cut surface. In this stage the mucous membrane of the bronchi is of a dark red colour.

The lung in this condition, is to all

Faint, illegible text, possibly bleed-through from the reverse side of the page.

appearances exactly similar to that state of engorgement, which is almost always found in that part of the lung which was the most dependant during the latter hours of life or after death, & is only to be distinguished from it, by observing the previous symptoms & by recollecting that the latter condition is never found any where but in the most dependant part; if therefore we find the congestion in other portions of the lung, it is certainly the effects of inflammation. We come now to the second stage, we find the lung still red as before, but it no longer crepitates, it contains no air; its cut surface is either uniformly red, or is interspersed with black specks, occasioned by the black matter of the lung or the interlobular areolar tissue. There still flows out some red fluid, but it is much less.

in quantity than before & is not
pretty & if it be examined carefully,
sometimes traces of commencing suppuration
are to be found. The lung is more dense
but also more friable, which latter
circumstance is caused by the softening
of the cellular tissue & it resembles
in appearance the liver, hence it
has received the title of hepatization,
or as Andral calls it red softening.

If the whole lung be hepatized, it
will not collapse when the thorax
is opened, it appears swelled & is
marked by indentations from the ribs.

In the third & last stage, we find
the lung still impervious to air, heavy
& solid as before, but its colour is
now changed. It is of a grayish yellow
cast, sometimes interspersed with the
red & black pulmonary matter. It
is still more friable than before & is
in fact in a state of suppuration.

[The text on this page is extremely faint and illegible due to fading or bleed-through from the reverse side. It appears to be a continuous block of text.]

From the cut surface when gently
pressed & sometimes even spontaneously,
the pus is seen to ooze out, & the
whole may be smushed up into a
subfluid substance resembling dirty
pus. This state of things, Laennec
calls gray hepatization, or purulent
infiltration. Andral calls it, gray
softening. It is a curious fact,
that suppuration of the lungs, does
not lead on to the formation of
circumscribed abscess, but is diffused
indiscriminately through all the diseased
parts & is not separated by what
might be called a line of demarcation
from the healthy. This fact Dr. Watson
accounts for, by referring to the
effect which atmospheric air has upon
an inflamed surface in determining
suppuration. He says, that from its
influence, the suppurative stage is
induced before the adhesive effects

Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is arranged in approximately 20 horizontal lines across the page.

of inflammation will have had time to stop its diffusion, by the dense fibrous wall which it forms around inflamed portions of other organs. This is undoubtedly one of a very powerful cause of the circumstance, but the general loose & sponge like structure of the lungs, contributes no little to the diffusion of the pus. Were the lungs equally excluded, with the liver from the atmosphere, we think, circumscribed abscess would much oftener be the result of inflammation in the latter than the former organ, & then there would be nothing but the difference in their tissues to account for the different results.

Thus far I have spoken of pneumonia as attacking the whole or a greater part of the pulmonary tissue, of which there is a considerable map, but this disease appears to have a seat of

[The page contains extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper. The text is mirrored and cannot be transcribed.]

election, as it were; it does not attack all parts indiscriminately, although it does sometimes spread itself all over the lungs. It is more often seated in the right than the left lung. According to Andral in the proportion of two to one it attacks both organs not quite so often as once in eight times.

It is also more often ^(found) in the lower than the upper lobes of the lungs, Andral says more than twice as often in the former than the latter.

We come now to the physical signs, Auscultation of percussion. By these we obtain as perfect knowledge of pneumonia as though we had the lungs in our hands. If the ear be applied to that part of the chest, under which the lung is in the first stage of inflammation, we hear a peculiar crackling sound, at the end of inspiration, which has been compared to many noises of

every day occurrence; such as the crackling produced when salt is thrown upon hot coals &c. Dr. Watson calls this small crepitation; Lacunae calls it crepitant roushus. It is the dry crackling of pneumonia & perfectly pathognomonic of this disease. This sound is heard as soon as the inflammation is lighted up, at first blended with & rendered almost imperceptible by the respiratory murmur of health, now increasing as the inflammation advances in intensity & over space & in its turn drowning the vesicular murmur. This sound does not remain long in one place, it becomes top & top distinct as the disease advances & is followed by one of three different things. The inflammation may be resolved & then the normal vesicular breathing takes its place; or if the inflammation

Faint, illegible text, possibly bleed-through from the reverse side of the page.

progress the small crepitation is
either succeeded by no sound at all
or by another abnormal sound which
I shall presently describe under the
name of bronchial breathing. Concerning
the cause of this small crepitation,
there has been some difference of
opinion among writers. Dr. Williams
has I believe given the best explanation
of the phenomena. He says, that it
is produced by the air being forced
into the minute bronchial ramifications
& air cells, whose sides are glued
together by the adhesive mucus
which is thrown out from their lining
membrane during the inflammation.

I have already said that this sound,
if the inflammation advances is
succeeded by another abnormal sound
or none at all, much oftener however,
by the former than the latter.

When this change in sound is heard

1848
The first of the year
was a very dry one
and the crops were
very poor. The
winter was also
very cold and
the snow lay
on the ground
for a long time.
The spring was
very wet and
the crops were
very poor. The
summer was also
very hot and
the crops were
very poor. The
autumn was also
very dry and
the crops were
very poor. The
winter was also
very cold and
the snow lay
on the ground
for a long time.

11
the condition of the lung is also
changed; it has passed from the first
into the second stage, it is solid,
hepatized & admits no air into its
air cells or minute bronchial tubes
& therefore no crepitation is heard;
but the larger bronchi are still
permeous & the air is heard rushing
through them as if blown through so
many quills & produces what I have
before termed bronchial respiration.

At this period of the disease, percussion
over the affected part is dull & if
 whilst the ear is applied to the chest,
the patient speak, his voice is heard
to descend the bronchi & come to the
ear through the solid lung, which
gives it a very different sound than
when it is heard through the spongy
texture of the healthy organ. It is
much more perfect & distinct, although
not sufficiently audible to be termed

pectorilogus; it is called truncophony.
This increased resonance of the voice
is owing to the solid lung, being a
better conductor of sound than that
organ in a healthy state. But if
instead of the bronchial respiration,
no sound is heard during respiration,
what then is the condition of the
diseased parts? Why then the
hepatization is either so extensive that
the thorax upon the affected side
can neither dilate or contract, & although
the larger bronchi are still pervious,
the air is stagnant in them & of course
produces no sound, or the disease
is situated in the very lowest part
of the lower lobe, where there are no
bronchial tubes large enough to give the
sound, or the diseased part is superficial
& of small extent & rendered impervious
to the air. We have now traced
pneumonia by the physical signs, through

two important stages of its existence
& have arrived at what may be called
the critical period of its course. We do
not know whether the inflammation
will go on to its third stage, or ^(whether the lung will) return
step by step to its healthy state. Let
us suppose the more favourable of the two
results, by what physical signs will
the retrocession of the inflammation be
marked. Why, there where we have had
nothing but bronchial respiration for some
time, we will have at first a little
crepitation mixed with it, then gradually
the crepitation ~~the~~ crepitation will increase
& the bronchial breathing & voice subside
& the crepitation will be gradually
intermingled with the respiratory murmur
& will in its turn become less & less
& at length be entirely succeeded by
the smooth regular murmur of health.

Thus we have the same signs in a
reversed order that we have in the advancing

The first part of the paper
of the nature of the
the second part of the
the third part of the
the fourth part of the
the fifth part of the
the sixth part of the
the seventh part of the
the eighth part of the
the ninth part of the
the tenth part of the
the eleventh part of the
the twelfth part of the
the thirteenth part of the
the fourteenth part of the
the fifteenth part of the
the sixteenth part of the
the seventeenth part of the
the eighteenth part of the
the nineteenth part of the
the twentieth part of the
the twenty-first part of the
the twenty-second part of the
the twenty-third part of the
the twenty-fourth part of the
the twenty-fifth part of the
the twenty-sixth part of the
the twenty-seventh part of the
the twenty-eighth part of the
the twenty-ninth part of the
the thirtieth part of the

17
disease. But if instead of this favourable termination, the inflammation goes on to the stage of purulent infiltration, can we tell by the ear when this stage is about to supervene & trace it through its march, we can not; but of this we can judge from the general symptoms.

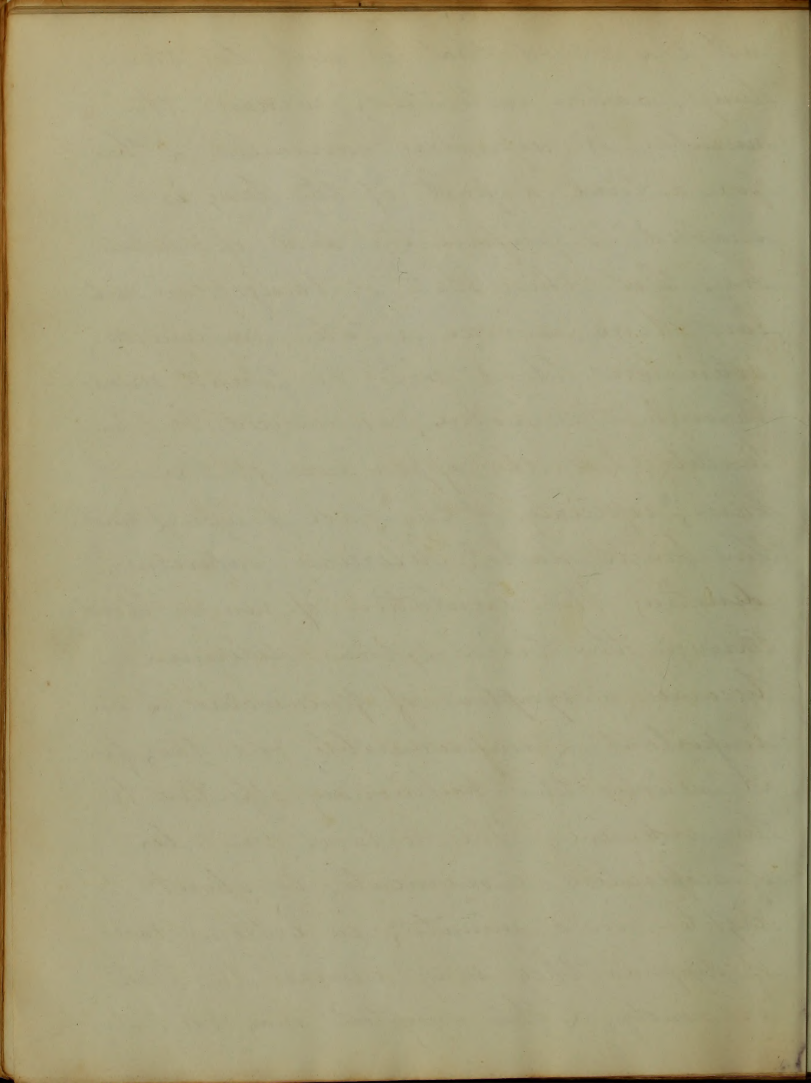
Such now, is a superficial sketch of the physical signs of pneumonia. We come now to the general symptoms. Acute inflammation of the lungs, is generally ushered in with a chill, followed by heat & increased frequency & force of pulse; soon after these symptoms, we have a sharp cutting pain in the side with dyspnoea & cough & a peculiar kind of expectoration.

The pain in pneumonia is dependant upon the accompanying inflammation of the pleura. It is more severe in the early stage of the disease & ceases before the pneumonia has subsided.



It is always aggravated by any motion that changes the relation of the costal & pulmonary pleurae. After it has entirely ceased, if the patient ^{attempts} to make a full inspiration, there will be a sudden return of this acute pain, which is caused by the dragging & tearing asunder of the recent threads of false membrane, which have been thrown out by the inflammation. The dyspnoea is another symptom which claims attention. It is of course dependent upon the equilibrium between the quantity of blood entering the lungs to be oxidized & the air which is intended to oxidize it, being destroyed. In consequence of the diseased portion of the lung being unfit to perform its office, the whole duty of arterializing the blood devolves upon that which remains healthy, & as this portion will not contain a sufficient quantity of air with the ordinary number of inspirations to operate effectually upon

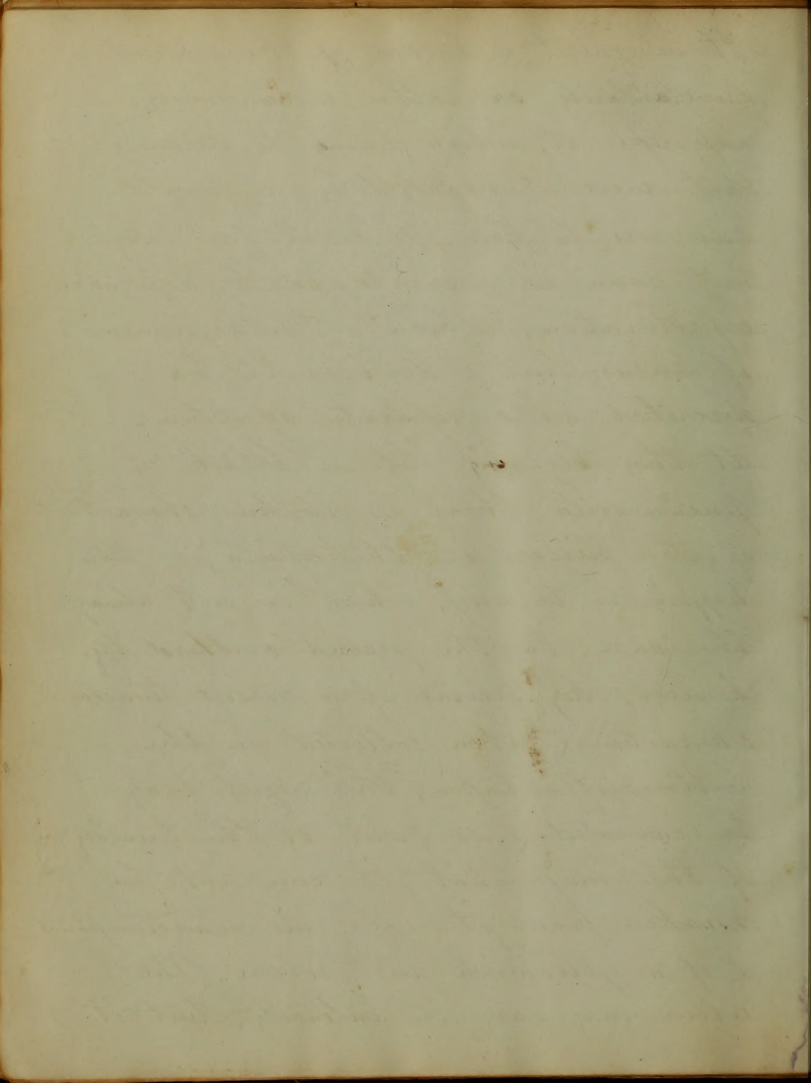
all the blood that is sent to the lungs, nature instinctively increases the number of respiratory movements & thus for a time a part of the lung is enabled to perform the duties of a whole one. But this state of things can not last long, sooner or later, imperfectly arterialized blood will be found circulating through the system, as witnessed by the lividity & earthy appearance of the skin, especially of the face & lips & under the finger nails; delirium supervenes, denoting the circulation of venous blood through the brain & thus delirium becomes a symptom of pneumonia, & an important & unfavourable one too; for it denotes the pulmonary affection to be extensive. The natural number of respiratory movements, is about eighteen in a minute; in extreme cases of dyspnoea they may increase to eighty or ninety, & this symptom may exist to



any degree between these two points.
We may generally judge of the extent
of the disease from the degree of the
dyspnea, but this is not an infallible
test, for in some patients a slight
inflammation will occasion great
dyspnea & vice versa. There is another
peculiarity in the breathing when the
disease is extensive & has reached
the second stage. As the patient
lies upon his back, (and by the way
this is the attitude which he generally
assumes,) his chest is seen to heave
up as in full inspiration & instead
of gradually subsiding as in health, it
seems to be checked by something
solid within the thorax, & this
we know to be the hepatized lung.
This peculiarity is called high breathing.
We come now to consider the cough.
This is not a very annoying symptom,
but it is characteristic of the disease.

Faint, illegible text, possibly bleed-through from the reverse side of the page.

It is short & hacking & the patient involuntarily or rather unconsciously suppresses it, which seems to indicate that were it indulged in, it would give rise to pain. It is at first dry but soon is accompanied by a peculiar expectoration, which is pathognomonic of pneumonia & deserves to be described as a separate symptom. At the beginning of an attack of pneumonia, there is nothing characteristic of the disease in the sputa, if there happen to be any, which is not always the case. On the second or third day however, they become of a viscid tenacious character, & when collected in the bottom of a taspin, the vessel may be inverted & so great is the tenacity of the mass that it can not be shaken from it. They are semitransparent & of a yellowish rust colour. The colour may vary in intensity, but it



is always dependent upon the same cause,
namely the intermingling of blood &
mucus, & the differences in their
colour are solely dependent upon the
different relative proportions in which
these two ingredients exist. They
are not streaked with blood as in
bronchitis, but the blood & mucus
are thoroughly amalgamated together.
If there is but little blood, the
sputa will be of a yellow colour,
if the blood is greater in quantity,
they will present the brownish yellow
or rust colour & if the blood is still
more increased they may be a decided
red colour. Considering the sputa as
a sign of pneumonia, we do sometimes
have this disease without the characteristic
sputa, but when the matters expectorated
present the appearances which I have
described, we certainly have a case of
pneumonia, & the more intensely they

Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is mirrored and difficult to decipher.

are marked, generally the more intense
is the disease. If the inflammation
recede, the sputa gradually lose their
pathognomonic traits & assume the
appearance of the expectoration of
common Catarrh. But if the disease
goes on to the third stage, the
sputa may continue with little
change, to the end; they generally
become less in quantity & frequently
cease altogether; they do not cease,
however, because the mucus is no
longer secreted, but because they
are either too tenacious or the
patient has not strength enough
to force them up, & then they
accumulate in the air passages &
the case ends by suffocation.

Andral says, if they assume the
appearance of liquorice water or prune
juice, we may pronounce with certainty
that the third stage has been reached

The first part of the book is devoted to a general
description of the country, its climate, soil, and
resources. The author then proceeds to a detailed
account of the principal towns and cities, and
the manner in which they are governed. He also
describes the various trades and manufactures,
and the state of agriculture. The second part
of the book contains a history of the country,
from the earliest times to the present. The
author traces the progress of the nation, and
the various revolutions it has undergone. He
also describes the different dynasties, and the
characters of the several monarchs. The third
part of the book is a collection of laws, and
other regulations, which are in force at present.
The author has endeavored to give a full and
correct account of the state of the country, and
to show the progress it has made since the
first settlement. He has also endeavored to
show the causes of its various revolutions, and
the manner in which it has been governed.

Sometimes perfect pus, is secreted during this stage.

We have now considered cursorily all the signs & symptoms of pneumonia separately; they occur however together, & one set follow another with more or less regularity. The disease, is generally ushered in with a chill, or it may be only a slight feeling of coldness, which is followed by increased heat & acceleration of pulse; at this time a sharp stitching pain is felt in the side, which is increased by motion, consequently the breathing is constrained & performed solely by the abdominal muscles. If now the ear be applied to the chest over the affected part, there will be heard a little small crepitation mingled with the respiratory murmur. These are the initiatory symptoms of the first stage. About the

Faint, illegible handwriting, likely bleed-through from the reverse side of the page.

third day, we have in addition to these, which are all increased in intensity, except the pain, which becomes dull & is less complained of; the characteristic sputa, more or less marked, in proportion to the degree of the inflammation, the minute crepitation is now heard above the vesicular breathing & over a larger space than before & percussion, which was on the first day perfectly normal, is now slightly dull. The respiration is considerably interrupted & dyspnoea is becoming urgent. We may now have one of three things taking place. The inflammation may be resolved & then the symptoms will occur in a reversed order, or it may spread itself suddenly over a whole lung & death may take place by apnoea; this however, is a rare occurrence. If the disease does not get well by resolution, the general symptoms all

Faint, illegible text, possibly bleed-through from the reverse side of the page.

increase, & the ear applied to the chest will detect the commencing second stage, which circumstance will be confirmed by the percussion becoming dull. The lung may remain in this stage for days & sometimes two or three weeks without change, but usually in three or four days, a change takes place for better or worse. If the former, we have the same retrograde movement from the second to the first stage, that we had from the first to health; but if the latter, that is if the stage of purulent infiltration supervenes, we can not tell exactly when it commences, but can imagine its existence if the countenance becomes pale & ghastly & the sputa assume a puriform or liquorice water appearance. Of course it is not known whether recovery can take place from diffused suppuration of the lung, as it

is not known exactly when that stage commences; but the presumption is, that it can not. "Circumscribed abscess, is not, however necessarily fatal."

From statistical accounts, collected by Andral & others, the average duration of pneumonia, occurring as an idiopathic disease in a previously healthy adult, is ten days."

As to its causes, frequently none can be traced; but cold applied in some way or other to some part of the body, is undoubtedly the most frequent & I might almost say the only exciting cause."

The prognosis may be inferred from what has already been said in speaking of its pathology. "The greater the extent of the disease & the further it has progressed, of course the more unfavourable is the prognosis, & of these facts we will judge by the physical & general

[The page contains extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper. The text is mirrored and cannot be transcribed.]

signs. The prognosis is more unfavourable when the inflammation is seated in the upper than the lower lobes of the lungs.

What now are the indications for treatment in pneumonia? We have an acute inflammation of one of the three most important organs of which the human body is composed, will it be safe to stand by quietly & wait for resolution to take place?, most certainly not; we must interfere & that actively too. When the disease is caught in its first stage, Blood Letting & antimony are our great agents.

Blood Letting has a twofold efficacy when practised early in this disease. It not only subdues inflammation in the lungs as in other organs, but it directly lessens the amount of stimulus which these organs receive

from the blood, in performing their peculiar functions upon this fluid.

It is well known that rest is one of our most powerful adjuvants in the treatment of all inflammatory affections, & although the functions of the lungs can not entirely cease, yet they can fulfil their office in the economy at a comparatively low ebb, provided the system is brought into a corresponding low degree of vitality, & blood letting is the agent most capable of fulfilling both these indications. As to the amount of blood to be drawn & the frequency with which the practice is to be repeated, a great many regulations have been laid down by authors, but none of them are uniformly applicable. We may give as a general rule, that the patient is to be placed in a sitting posture & blood

[The page contains extremely faint, illegible handwriting, likely bleed-through from the reverse side of the paper. The text is mirrored and cannot be transcribed.]

is to be drawn from a large artery until symptoms of syncope supervene, about which time the urgent symptoms of the disease will be found to have materially diminished or entirely subsided. When reaction comes on, if the pain & dyspnea return & the pulse becomes again hard & frequent, the bleeding is to be repeated until it again effect the system & this process may be repeated again & again until the inflammation is subsided. We do not, however, often find it necessary to bleed oftener than the second or third time, particularly when we combine the administration ~~with~~ of Antimony with it. After the urgencies of the case have been subdued by a large bleeding, we keep them down by the administration of large doses of tartar emetic. In administering

20

this agent, it is not intended or desired, that it shall produce its ordinary emetic & cathartic effects, but we want to obtain its specific sedative effects upon the heart & arteries.

It is remarkable how much of this agent the stomach will bear without its producing nausea & vomiting, when action inflammation is going on in the system, especially if seated in the lungs. The existence of such a condition seems to act as a prevention against their results. The first-dose, however does generally produce nausea & vomiting, but after its effects have passed away, the medicine may usually be resumed & the dose increased without any unpleasant effects upon the stomach, but with a very marked & decided sedative operation upon the pulse. If purging come on, or the nausea obstinately

The report of the committee on the
subject of the proposed
amendment to the
constitution of the
state of New York
is respectfully submitted
to the assembly for their
consideration. The
committee believe that
the proposed amendment
is in accordance with
the public interest and
should be adopted.

continue, each dose of the Antimony should be guarded with a few drops of laudanum. Under this treatment, the disease will generally undergo a marked change for the better in the course of a few hours, sometimes however not for a day or two. After the inflammation has been checked & is being resolved, the medicine may be given less frequently, but ought not be entirely discontinued so long as any of the unpleasant symptoms of the disease remain. This is the treatment for the first stage. Suppose we find the lung hepatized, what change in our course of treatment will this change in the pathology of the disease make? In speaking of the pathology of the disease, I described the stage of hepatization under a single head, but in treating this

continued, each one of the business

should be equally with a few

steps of business, these are

traded, the business will proceed

through a market change for the

later in the course of a year

more numerous business will be

also in the, that the information

has been checked, is being carried

the business was in some of

accounts, but might not be entire

circumstances as they are one of the

important information of the business

business, there is the constant in

the first stage, appears in fact

the two together, what change

is not aware of treatment of

the change, the possibility of the

business, a number of the

possibility of the business, a number

the change, the possibility of the

business, a number of the

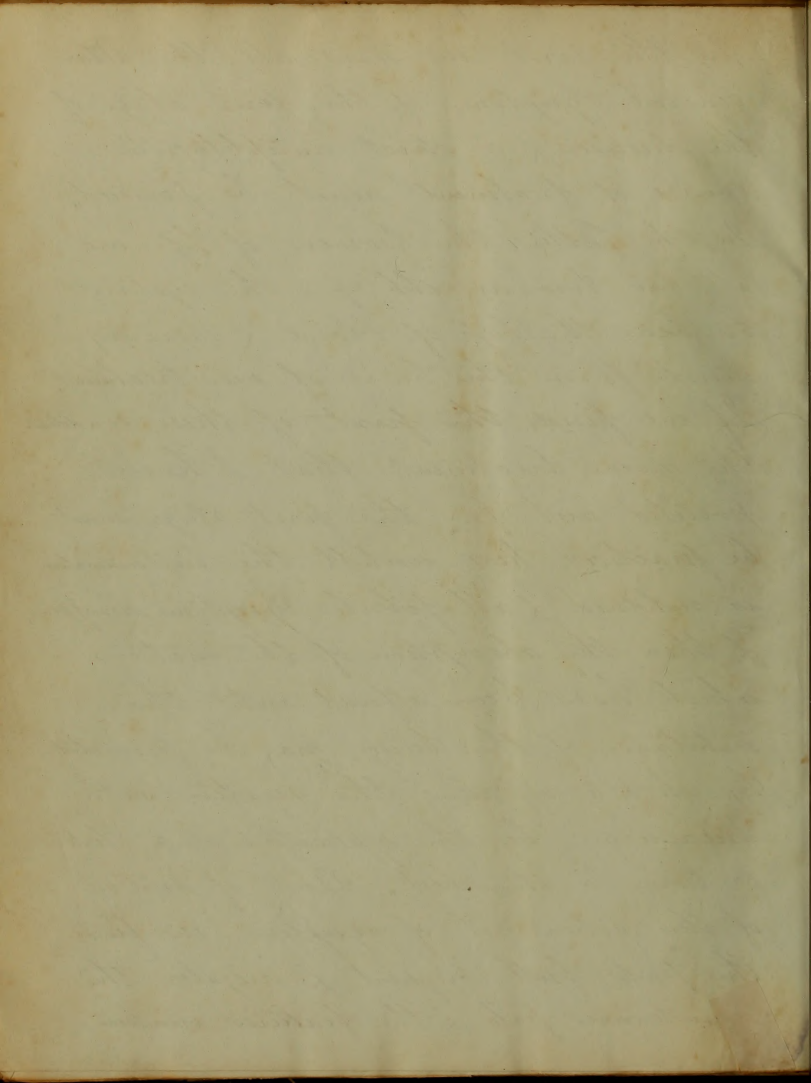
condition, it will facilitate description to consider it in two divisions. She may have the inflammation existing in the second stage in a portion of the lung & the first stage rapidly progressing around it. The inflammation is radiating as it were, the center or nucleus from whence it started is in the second stage & the circumference in the first & as the disease progresses over space, from the circumference in the form of the first stage, so does it from the center in the form of the second. Again, we may have the second stage existing after the inflammation has ceased to extend itself & the diseased part is at a stand still, or after being hepatized for some time, is just about to enter into the state of purulent infiltration. Now with these two conditions very different symptoms & state of the general system, exist.

[Faint, illegible handwriting throughout the page, likely bleed-through from the reverse side.]

[A small, handwritten mark or signature, possibly a name or initials, in the center of the page.]

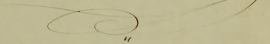


In the first we have all the active
 general symptoms of the first stage of
 the disease & a strict antiphlogistic
 course of treatment must be pursued.
 In the latter, the powers of life are
 at too low an ebb, for the system
 to bear the loss of blood & mercury
 must form the basis of our treatment.
 If we find the first of these conditions,
 the same treatment that I have
 pointed out for the first stage must
 be practiced here untill the inflammation
 is subdued & all febrile symptoms disappear,
 & then the absorption of the matters
 which have been effused into the
 substance of the lung, may be promoted
 by slightly affecting the system with
 mercury & by the application of a blister
 or two to the chest. But if instead
 of this active set of symptoms, we find
 the pulse full, frequent & irregular, the
 countenance pale & the features swollen



& partly of the extremities cold, indicating
 the approach of the complete dissolution
 of the lung, as well as of the body
 & soul, the lancet & Antimony must
 be laid aside & the powers of life
 supported by diffusible stimuli, such
 as carbonate of ammonia, wine, smoke
 root &c. & the patient well nourished,
 whilst the system is affected as fast
 as possible with Mercury..

When this last connotation of things
 exists, Mercury is our only reliance
 for the cure of the disease & although
 the case is desperate, yet it has
 been recovered from, it has been
 cured, & what Man has done, Man
 can do..

Wm. Hammond


92.

