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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.

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the Council of State, and the Council of State, in turn, was to be composed of the members of the cabinet.

The political influence of the Council of State was probably the most important influence of all. It was the Council of State which was responsible for the formation of the cabinet, and it was the Council of State which was responsible for the formation of the government. The Council of State was also responsible for the formation of the army, and it was the Council of State which was responsible for the formation of the navy.

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(CORRECTED TABLE OF CONTENTS)

UNIVERSITY OF MARYLAND

THESES

1881 (b)

Author	Title	Notes
Ames, John G.	Jottings on the Hygiene of Pompeii	
Baker, J.E. Seymour	Intermittent Fever	
Donovan, Charles O., Jr.	Sweat	(bound out of order)
Rohrbaugh, Edwin P.	Rest as Therapeutic Agent	
Berkley, Henry J.	Bromide of Potassium	
Hoffman, J. Homer	Cerebro-Spinal Meningitis	(no title page)
Cohen, Fred P.	Enteric Fever	(no title page)
Derr, Hamilton K.	Typhoid Fever	
Hubbard, Wilson H.	Report of Clinical Cases	(no title page)
Wallis, Hansford L.	Scarlatina	
Keen, Thomas F.	Scarlatina	(no title page)
Fulton, John S.	Secretion	(noteworthy illustrations)
Holley, James Thomas	Therapeutic Action of Quinine	
Ward, William H.	Intermittent Fever	
Reid, John T.	Pleuritis	
Prentiss, Harry G.	Acute Articular Rheumatism	(faded ink)

Author	Title	Notes
Mitchell, Charles W.	Puerperal Eclampsia	
Leech, B. Touner	Typhoid Fever	

HSHSL 2012 for the UM Digital Archive. Sources consulted for corrections: Original Dissertation; University of Maryland Medical Faculty, Matriculation List, 1851-1892; Cordell, Eugene F. "University of Maryland, 1807-1907" (New York : The Lewis Publishing Company, 1907), Volume 2.

UNIVERSITY OF MARYLAND

THESES

1881 (b)

John Ames, J. G.	Jottings on the Hygiene of Pompeii	40p.
Seymour Baker, J. E. S.	Intermittent Fever	27p.
Charles Donovan, C. O. Jr.	Sweat	11p. Bound Differently Gutter problems
Edwin Rohrbaugh, E. P.	Rest as a Therapeutic Agent	37p.
Henry Berkley, H. J.	Bromide of Potassium	34p.
Homer Hoffman, J. H.	Cerebro-Spinal Meningitis	40p. no title page
Fred Cohen, F. P.	Enteric Fever	30p. stained no title page
Hamilton Derr, H. K.	Typhoid Fever	46p.
Wilson Hubbard, W. H.	Report of Clinical Cases	16p. no title page
Hansford Walls, H. L.	Scarlatina	33p.
Thomas Keen, T. F.	Scarlatina	12p. no title page
John Fulton, J. S.	Secretion	34p. Illustrations
James Thomas Holley, J. T.	Therapeutic Action of Quinine	26p.
William Ward, Wm. H.	Intermittent Fever	19p.
John Reid, Jr. T.	Pleuritis	25p.
Harry Prentiss, N. G.	Acute Articular Rheumatism	21p. Faded ink
Charles Mitchell, G. W.	Puerperal Eclampsia	31p.
Leech, B. T. Tanner	Typhoid Fever	29p.

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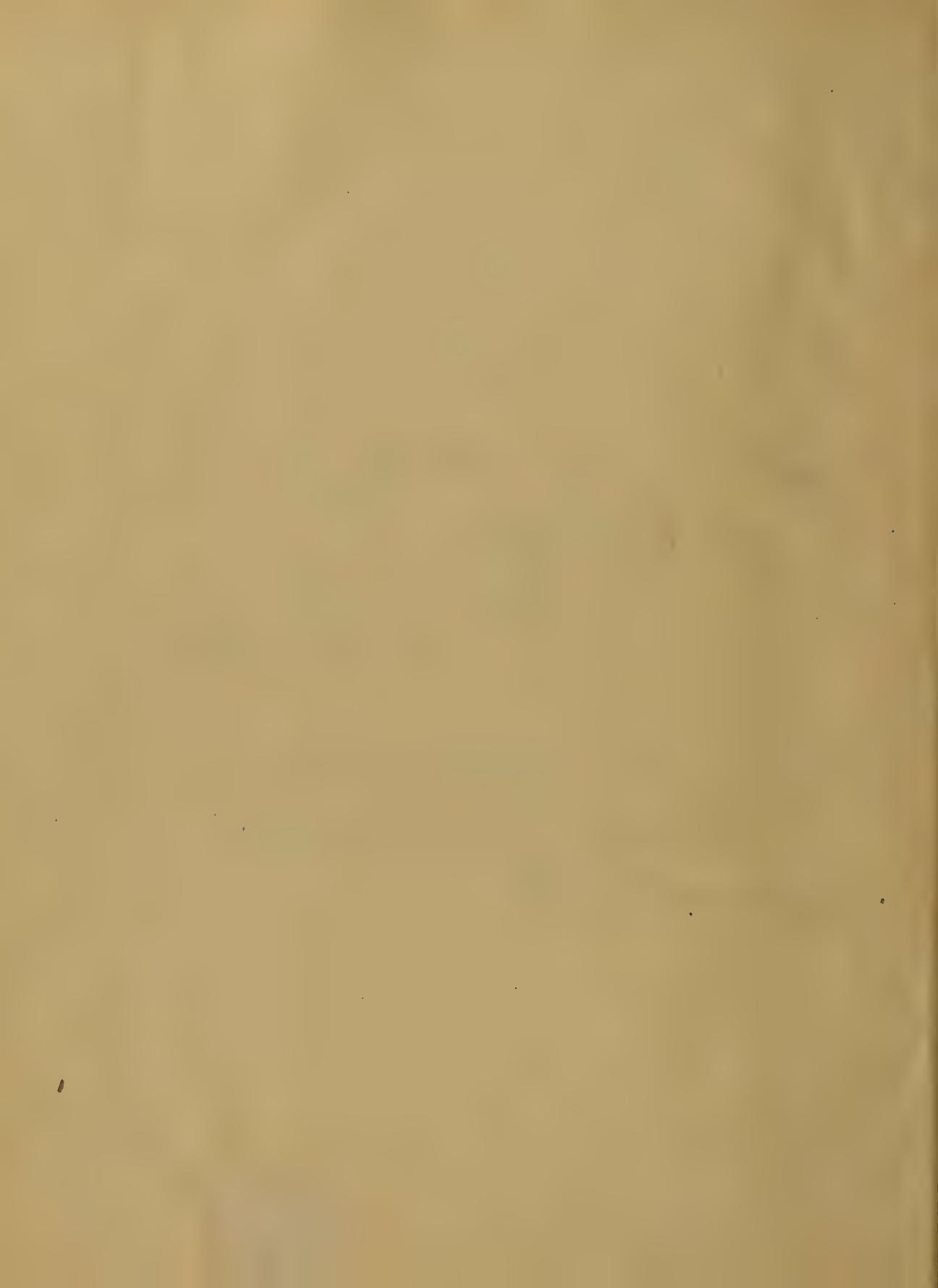
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Contributions on the Hygiene
of Pompeii
by Dr. J. Ames
Maryland

University of Maryland
School of Medicine
March 1881

LMb
18987







Fatherhood which gives all the best
and most valuable

to a country without government and
without history. The man in
them regards it preposterous
now to live among those who have

long passed from our civilization.
Walking among the ruins of
Hampshire, with the rats of the city
seen in the streets at night and
feared as though some supernatural
and most venomous plague had
cleft the earth under the
blood-red sunset-hundred thousand
devoured only by wanton and mean

...that not it were, but from the
water that covered.

Tomber striding through this
air, expecting to meet a troubadour
and to hear the harmonious
voice be singed out. Fair will be
the scene through its desolate
silence for one of the many who at
one time trod the intricate ways of
inhabited, the most noble, pristine
but deserted habitations and silent
walls greet you.

Let us call the house, no habitation
has been created, but the open door
only and you see nothing but
to expect to see something
no report yet to go; a grand and

appealing silence rises on a marshy
plain. The owner is gone; the builder
is unknown; but his work
and we are left to contemplate on the
part . . . Imagination creates the
original people to these dwellings and
we see their inner life and live as they
did two thousand years ago.

Now I have heard the story
how interesting you are! And I will re-
claim a page about these mon-
uments.

During my rambles in the woods
my attention was arrested by the un-
common quietness of the scene. It
had all the rich verdure of
the wood and the flowers of

most be counted as well for enjoyment; these small, but rich diamonds have their miniature grace and natural sleeping beauties. At 4 P.M. of yesterday we descended from our high mountain abode down into the dark valley, into that of Rock Creek. I found myself among rambling rocks and the smooth sides, that compelled me to crawl, and into that of which I last thought - the higious glen of the place. My ramblings and pottings I now give; not for their value, but as a record, and one that will remain in my memory, with other scenes in the history of Henry Hall, with its actual and estimated thickness of well enough mud.

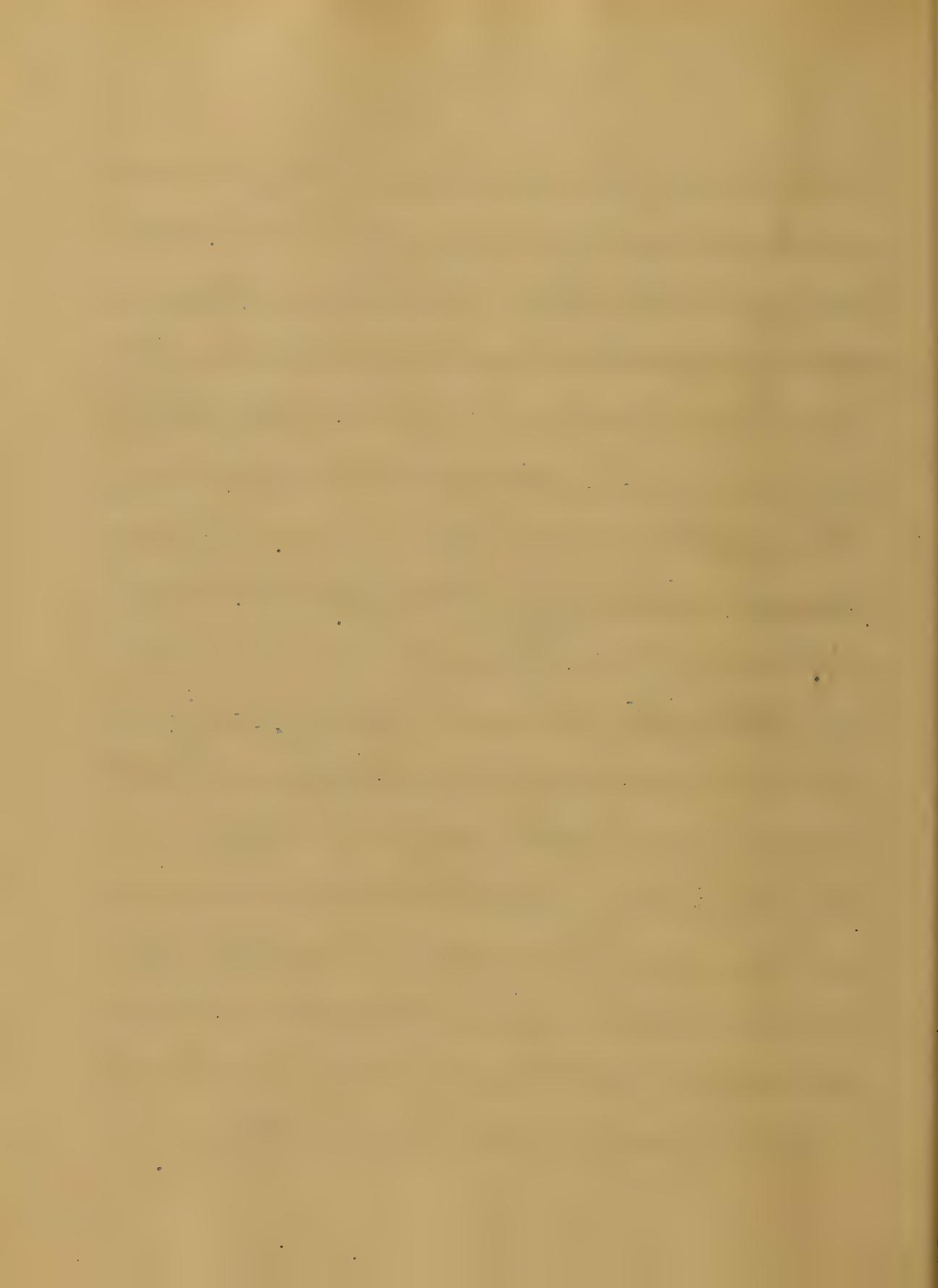
with new bright and happy children,
the scent of the orange grove, the
soft breeze from the shimmering
of staples, the vineclad side of Mount
Vesuvius, with her soft wreath of smoke.
Howe, I say be on us the sun of to-
morrow which my mind can dwell.
This is like a record thin; and if they
bring a smile of pleasure from their
superb creation I am too happy
to record it; if one of affliction
we will meet it. Then we shall witness
progress in the sun, or the setting sun
far back the wild steppes stretching to
the base, with its track left behind
behind us and the city before us.
Let us glance at the scene before us.

old walled place, but being situated
on the end of a peninsula with the
sea on both sides, at the mouth of the
Tarragona doveled in the river.
Looked out and around upon the
wretched mountains at the foot.

The instant mountains were appearing
back around with the bright bluffs
in front of us ^{angle} and fine you well
see that the situation of the village
four hundred years before Christ
was an excellent position.

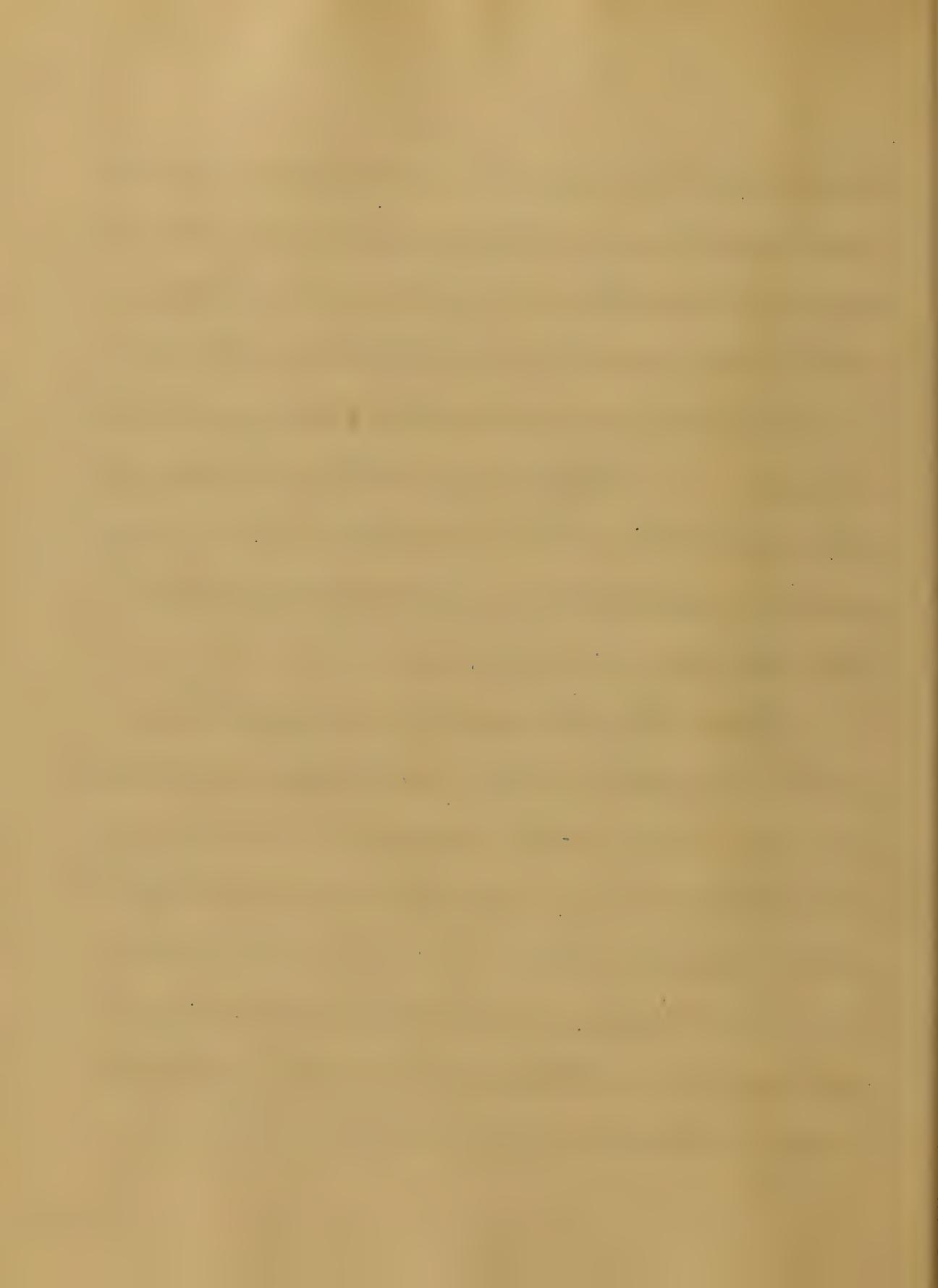
The plan is elliptical, about 150 m
intervening generally at right angles
but not with the sidewalk so narrow
but raised well above the roadway.

The houses a concentration



brick style, one low and close if packed -
ed with very little external sand; one or two stories high - with stone -
with remnants of wooden or tile
roofs that covered the numerous blocks
..... Stepping stones crossed
the streets at their intersections, enabling
pedestrians to cross when
the streets were flooded.

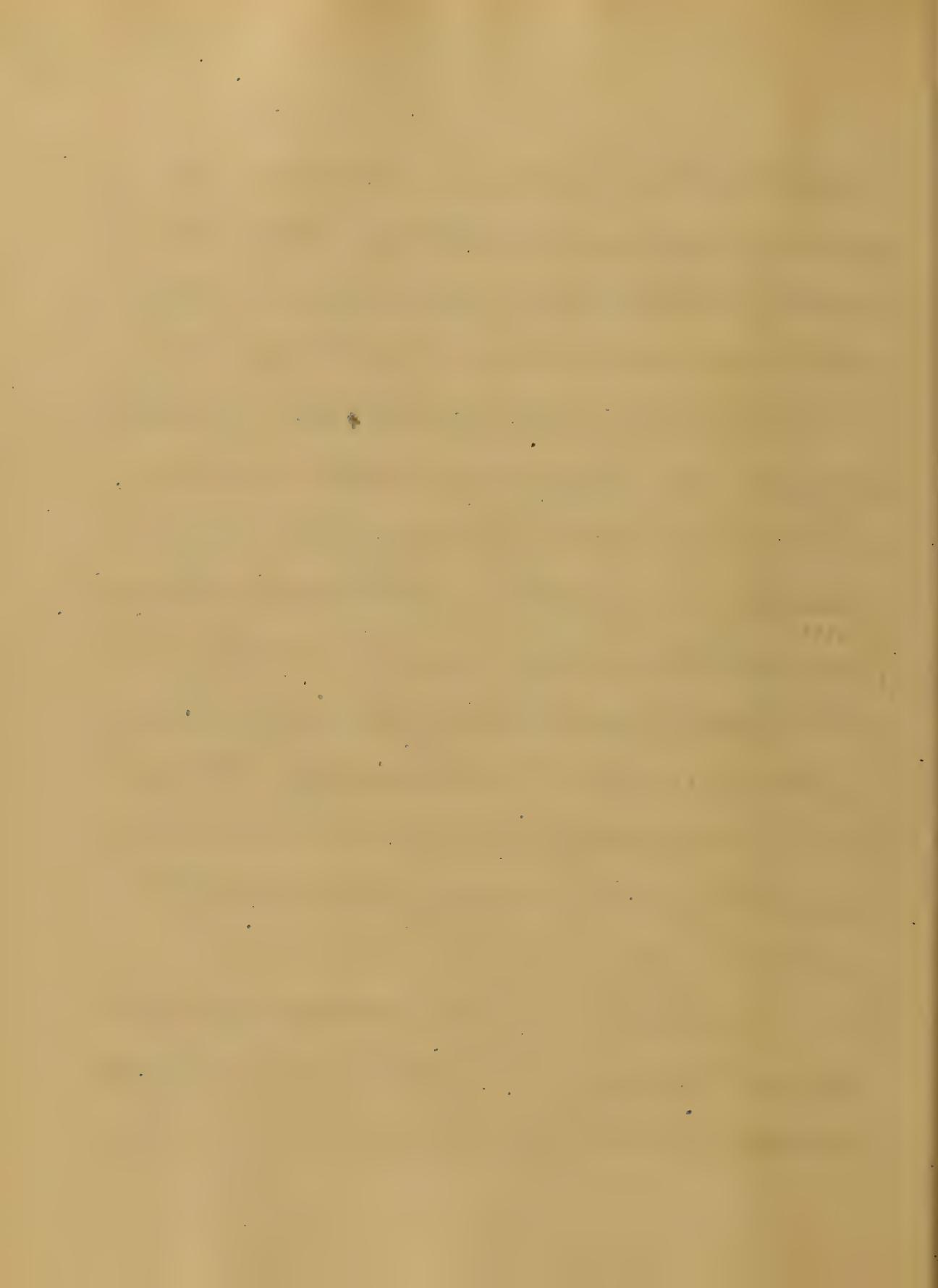
These stepping stones together
with the absence of underground sewers
at once indicate unhygienic surroundings.
That this was the prevailing method, is
still further shown by the well known
fact composed of three layers of
stone and rubble; the surface layer
being broad and flat, presented



infiltration into the soil and was
secure against contaminating the
water of the wells and cisterns which
were very numerous in Memphis.

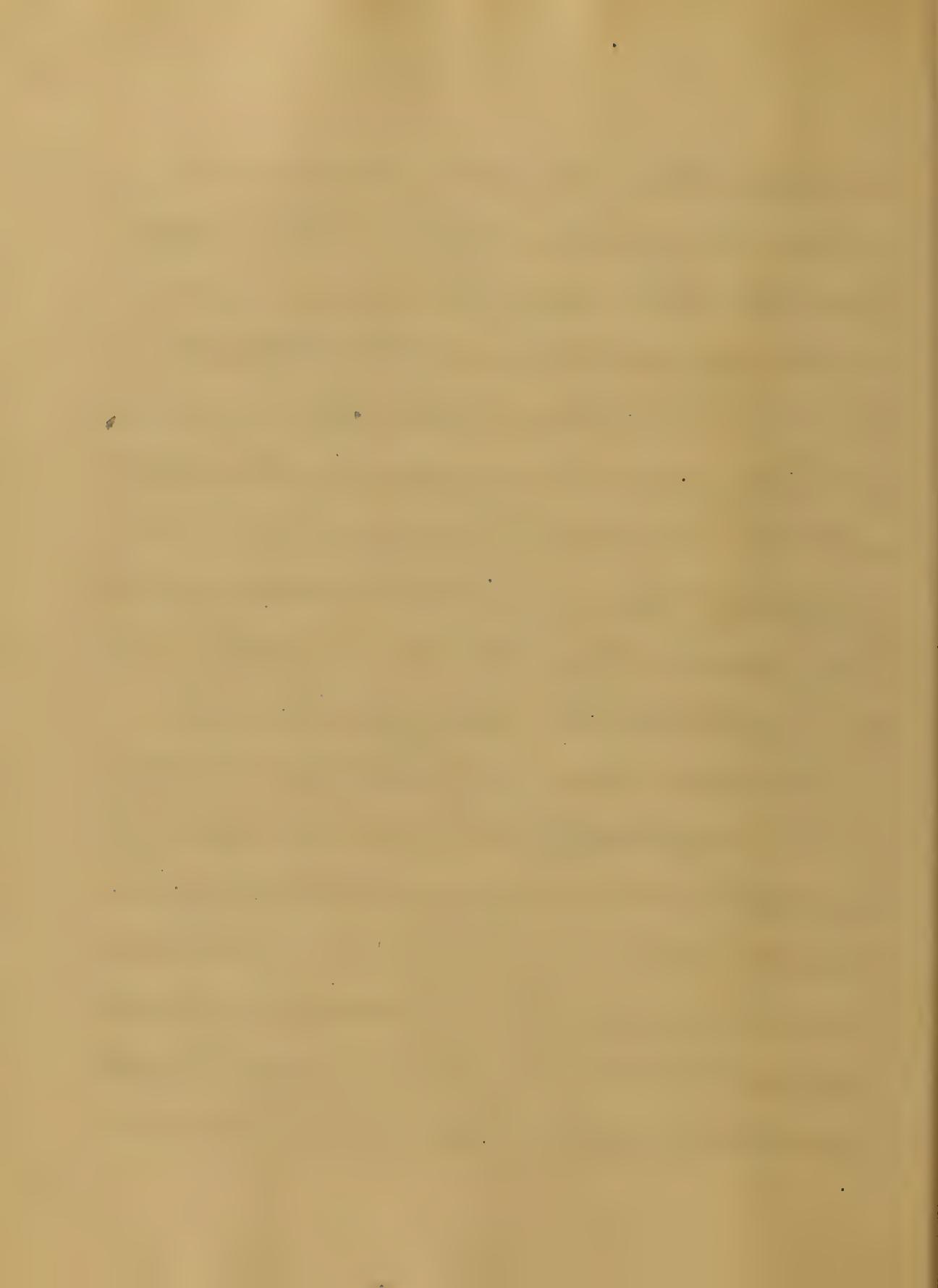
The natural roll of the land induced
a rapid drainage of the water and the
dust-like stone leaving them in a
healthy condition. Absence of snow
secured them from severe winter
which are such sources of disease
of its inhabitants. The rock stone
with its sanitary character attracted
settlement away from the city
into the rear.

What could there have been in
these houses in the rear with marble
pools upon the front porches and

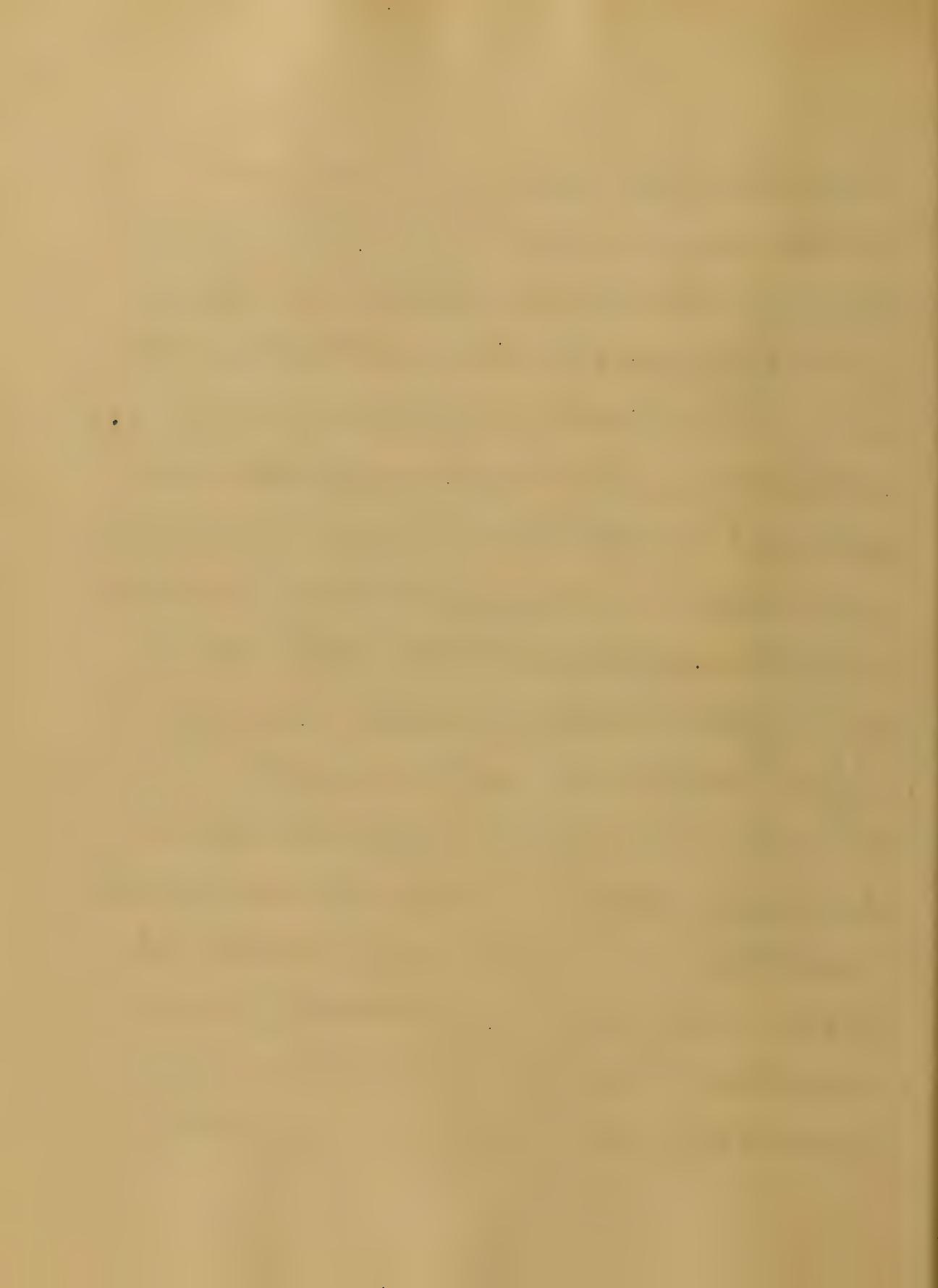


homely faces with open mouths, from
which head before proposed. This makes
hard problem to solve; and now
at the affair tell us that they are
publicly forwarded. The money which
is half down, enough to stop
it, and value; and we can hardly
imagine dozens of people waiting their
turn to ascend their thrones. The opportunity
of lions life to others of them.

The water was not wasted, & caught
in the rooftiles floor and used for the
smoothly worn edges of the brightly
leather, and show how these leather
were presented to the occupant at the
gate with their banners bared & with
gracious view to show the audience

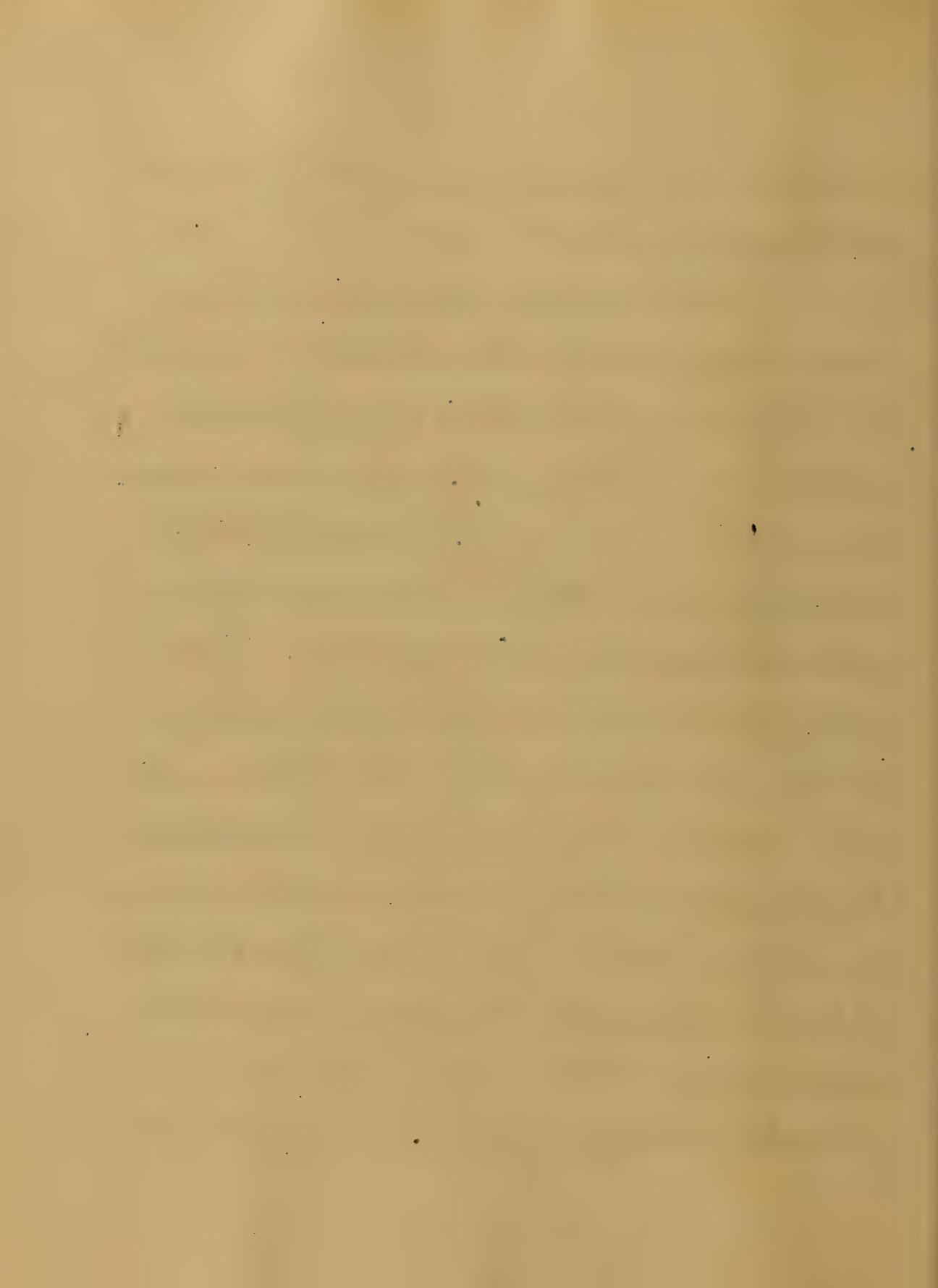


ble fluid for domestic purposes.
These are numerous and, for well
for the liberal care of the city, such
a supplying this were essential ob-
ject to health and cleanliness.
that this abundant supply which
was not wasted but economically used
will be acknowledged by an ex-
amination of their bath tubs which
differ from those of the present day
only in material not in shape; they
were considered as indispensable
articles of house furniture, no doubt
held them in higher estimation for
while they recognized bathing as an
essential to health, they also resorted
to the bath as a pleasure and the



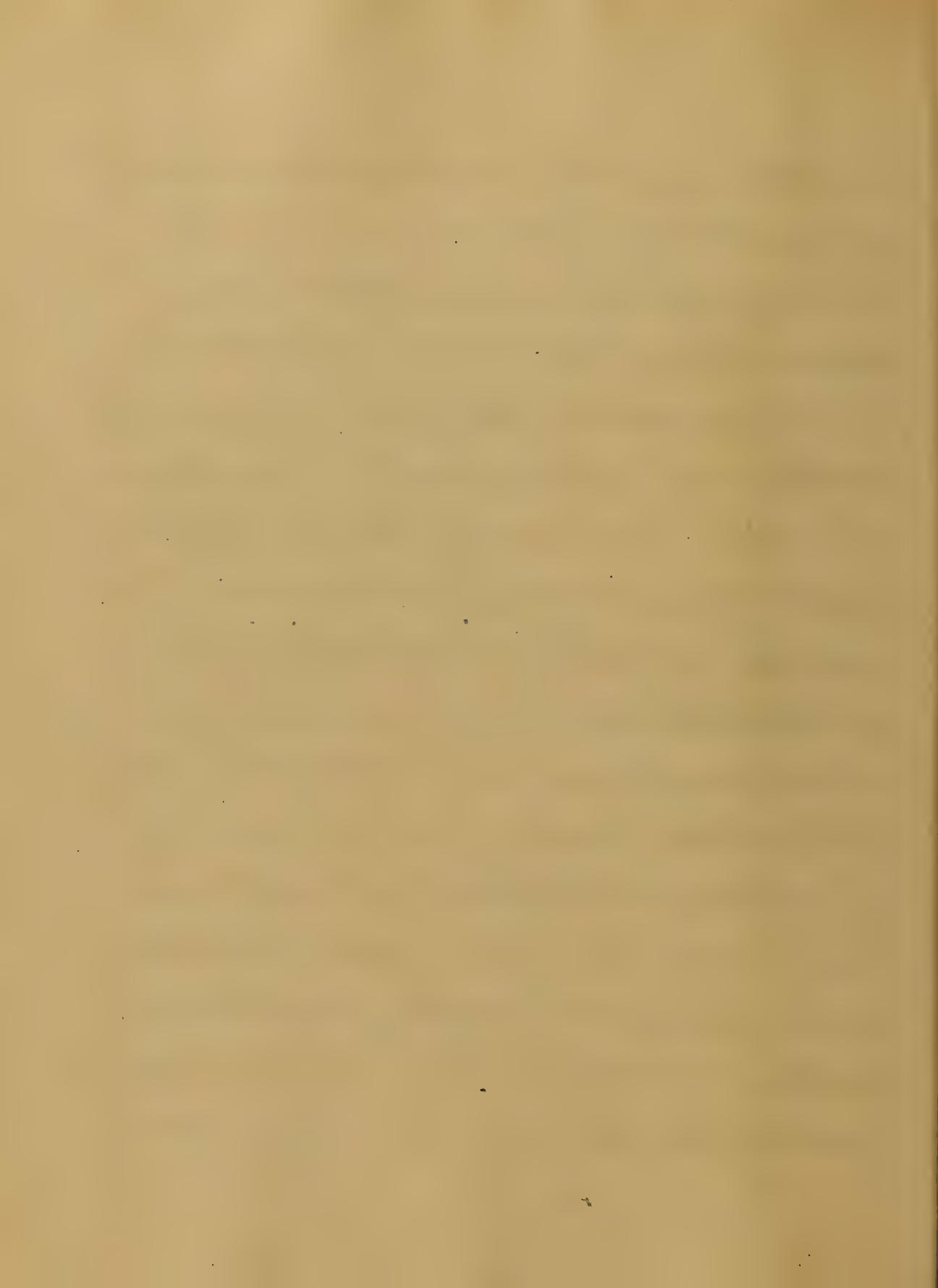
numerous and varied works, both
of translation and original.

There were also various
sizes and kinds; large bath towels
small ones for children & to take
flower &c. They were generally made
of cotton; many of them had elaborate
embroidery on them and cost a few
pence. That the better classes mix
with each other in successive lines
fact, to which they devoted much
time each day. The extent
to which bathing was carried cannot
be inferred from the above; for while
there is abundant evidence of its
importance but no adequate
further corroborative evidence

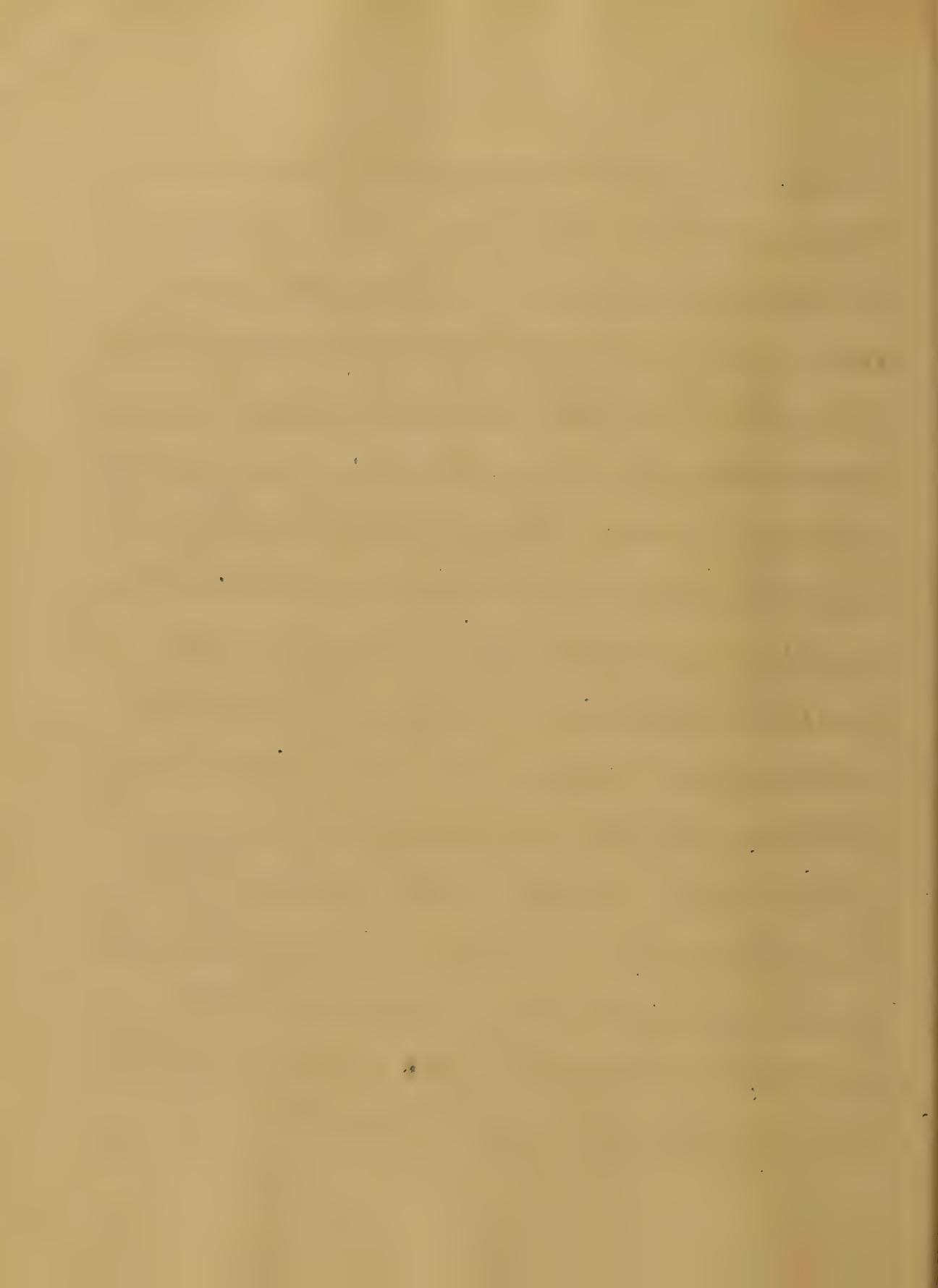


visit to one of the public baths which stand to-day in the town.
Their silent and deserted halls speak affectionately to the sanitarian who, present in behalf of the animal abstraction of public bath-musicities, when all was quiet in the health-preserving annals of Plumbus.

As we cross the threshold of the public-bath, we find ourselves in a large reception room well provided with stone benches running nearly the whole length. The footrests which seem to have been the work of a huckster, now to the floor, speak a telling evidence of their original function. On an angle joining room upon room along



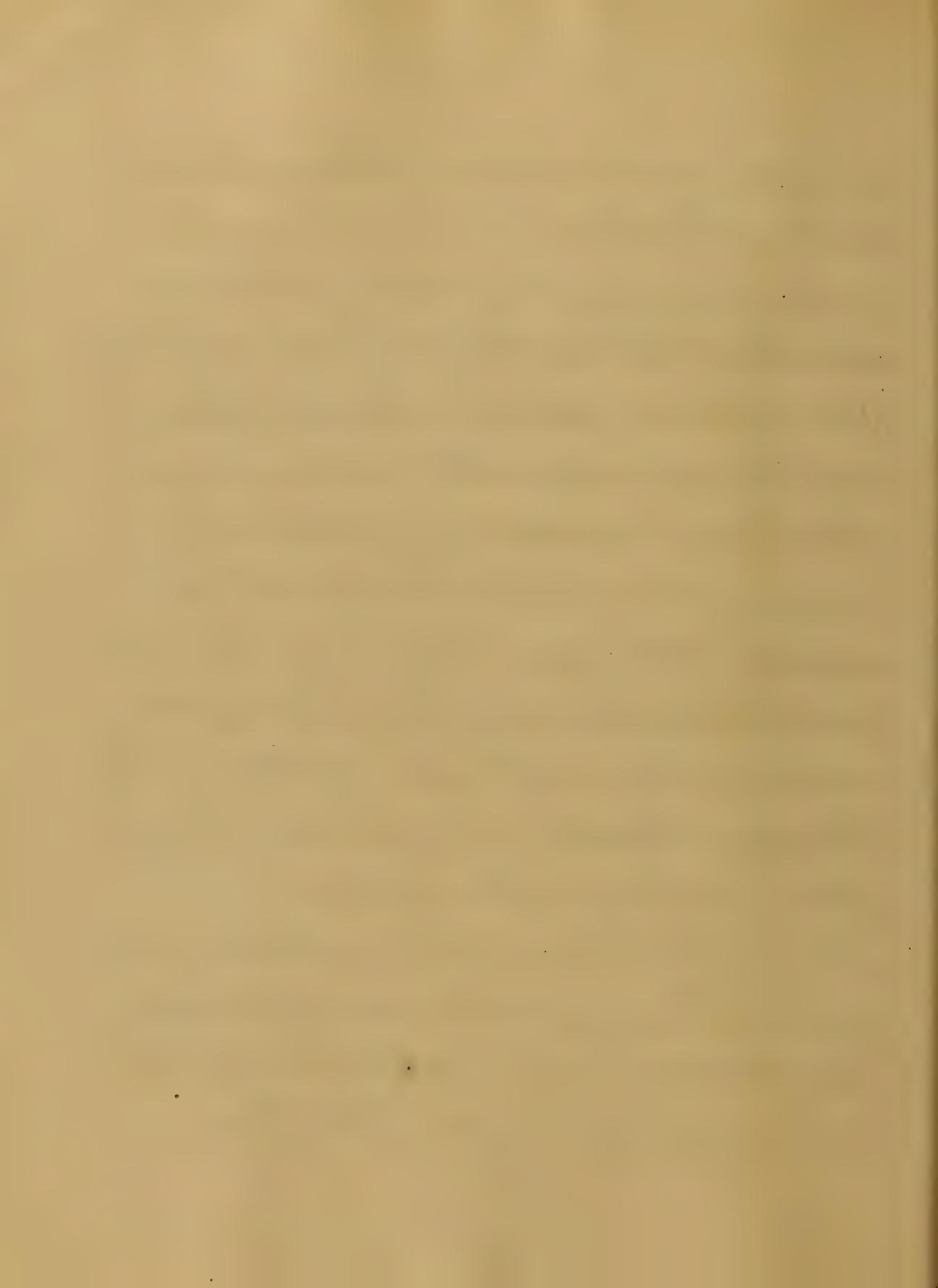
basin of great capacity, no incon-
-venience of water, nor of space, than dry,
but we can examine it together with
the surrounding; rich frescoes and
bas-reliefs of chariot races, and marine
monsters, hunting scenes - all of which
strengthen our admiration for the people
who thus combined beauty with utility in
making so wise a provision for the
public health. Indeed the bath
at Pompeii and that at Herculaneum
with ample arrangement for warm
baths, double walls, double
wash-basins for heating water under the
perambage and regulation of hot air,
so that one could enjoy a steaming
and bath, but rapid bath.



and from this vapor or
hot air back could be seen out

while one casts his eyes about and
see the bright sunlight pouring through
the window, striking the stone floor
and shedding his mild rays in every
nook and corner, as if shearing a
word of cheer to the bare walls and
empty cupboard, a failing sadness
creeps over him and his mind gladly
reverts to the happiness which was
the even abject around which became
stolen of those pleasures.

Now will you see the above and will
see the Pontoon men coming to safety
their daily task. Let it suffice me to
do here and let me vent them.

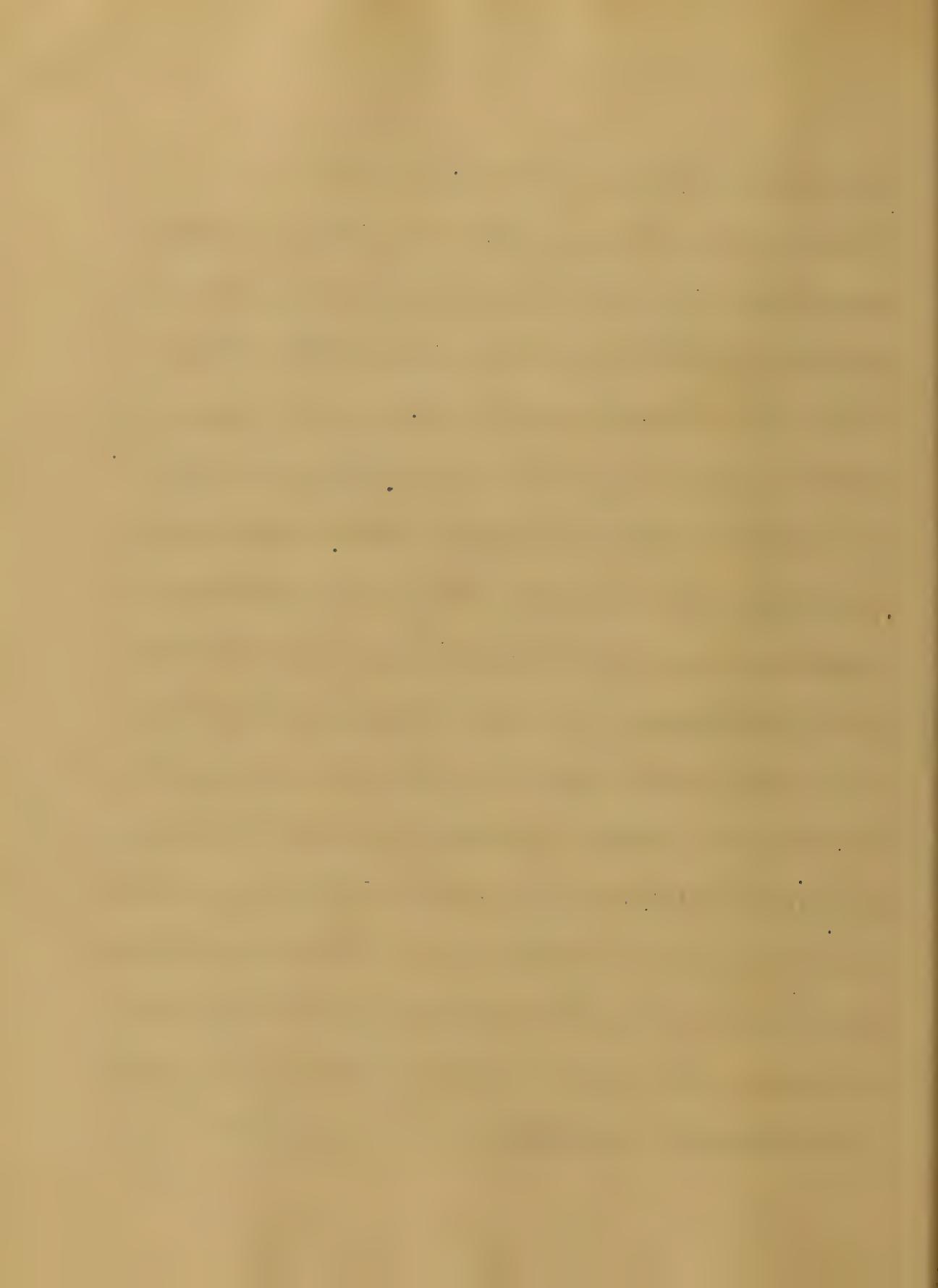


Here are youth and age health and
decency; here comes a aromatist,
closely followed by a youth mer-
chant; this latter a person
individual with his legal coun-
sel and carriage proper, and
less like the latter in his talk
would speak only elegantly,
whose "dry and shrill" voice
betrays the lack of cutaneous
softness. Still the connection
is interesting, some from clearly decaying
forms for its perfume soft.

The said pleasure for the inhalation
to the mind of Roberta, though it
ought not to affect the soft and effem-
inate qualities, soon we have

its beautifying properties.

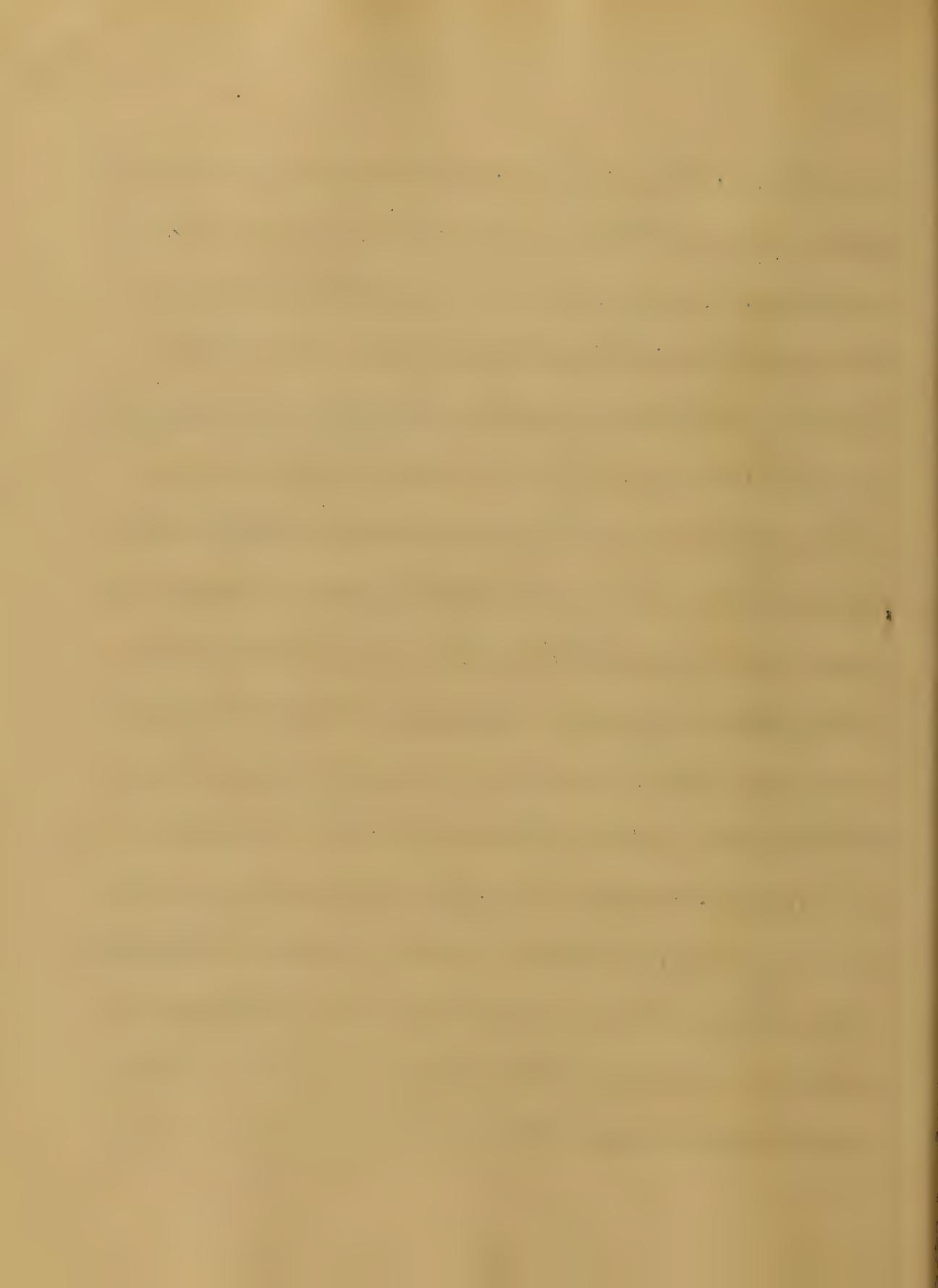
The true slaves of the Attic who sat here at their elegant white stone-silver clothing garment, the stola with the loose robe hanging about without the body, hide the form and muscular development but adds dignity to the wearer. They are not so numerous as the Erecians were, but are important wearers the tunie with its varied hue rich in purple and colors in both pleasing and lasting, when to advantage the cloth will not shrink, fade nor. These daily on the naturally shaped but formed as once the idea of corn, hundred and other several meadows from which out



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modern ideas of equality have not
been so; allowing the brutes at the show-
marts to run by the people without any
sense of education took them a long way.
Such - distorting the natural & noble
form sense into a horrid one.

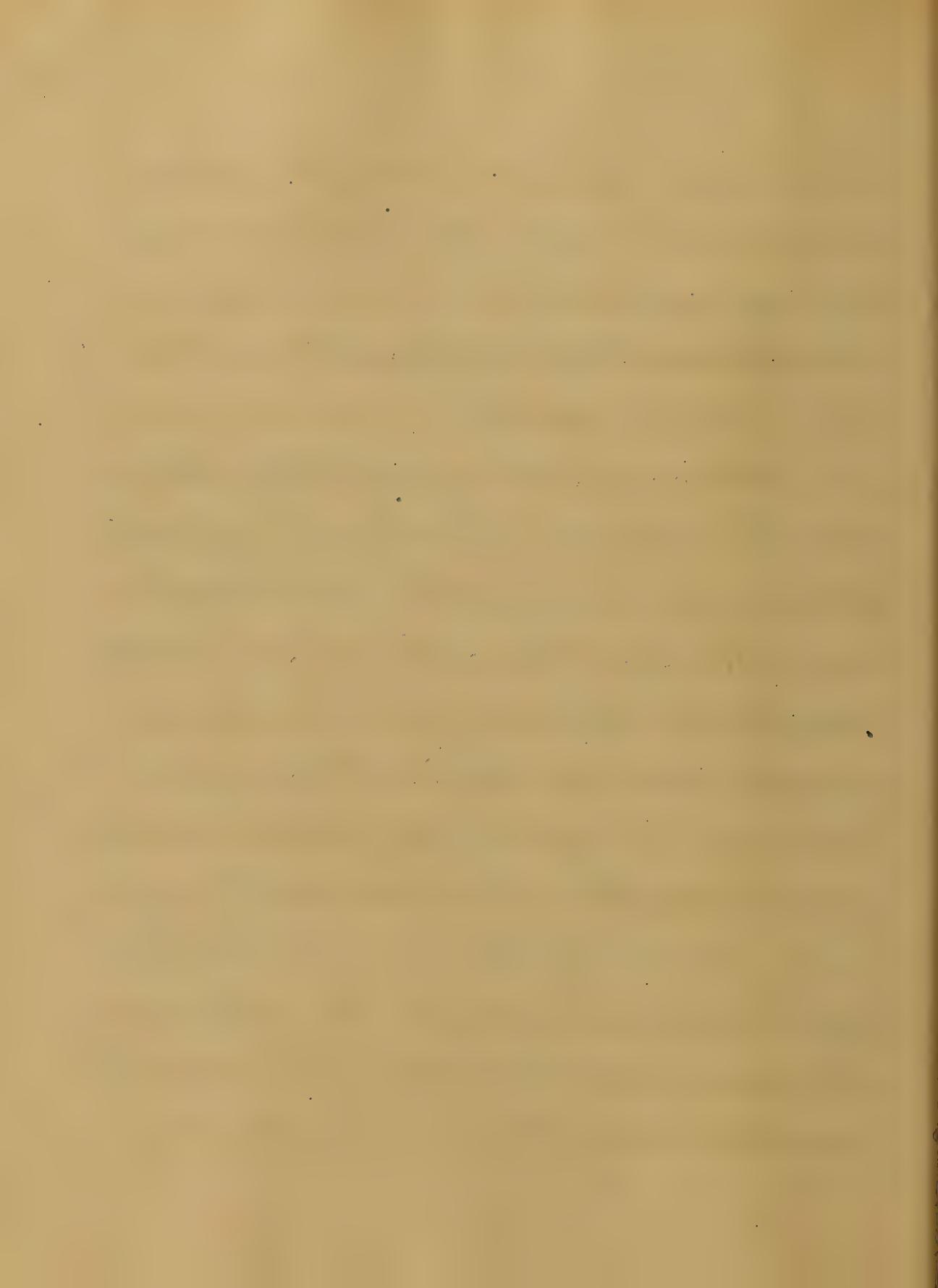
The women are broad-shouldered with well-
formed bust; no waist-shaped waist -
neat out-swept corsets are unknown,
therefore, ideas movements would not
exist in the mind of man about Mal-
bella, who wear false - will to hide
their periodic suffering. except the
lack of Latin American good taste,
who brought the original look ignorant
idea of encompassing nature in the
smallest space that



XIV

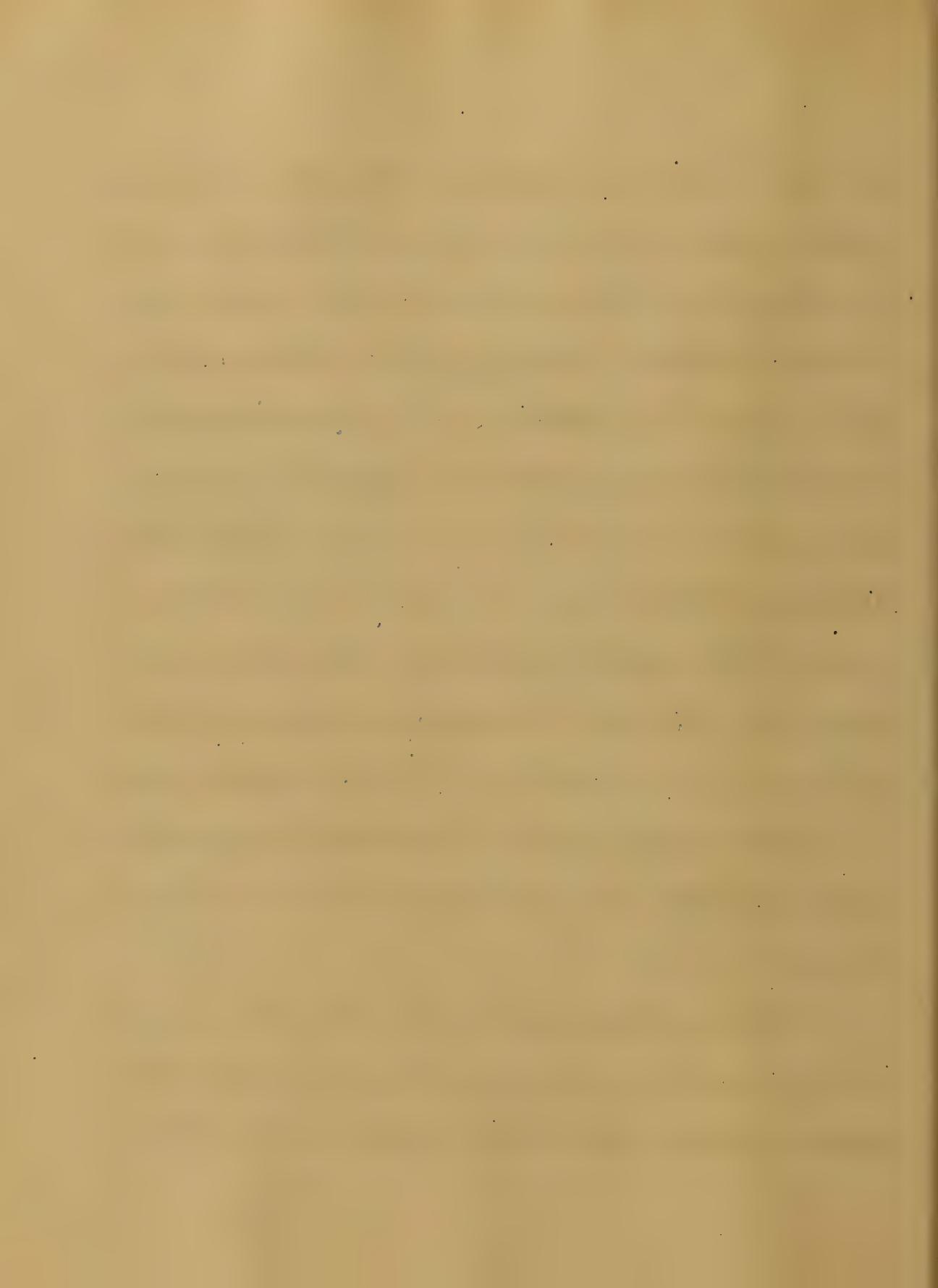
We mention this but cursorily, still
the idea is worthy of study. Exacerbate
the depression; we can not live - our
thoughts are too-deadly and we turn
again to our books.

Now we see the youth with athletic
frames strutting in the sun, playing that
brings vigor and health with it while
here the shrivelled skin and drooping
and grey reclining on their ornate
-ornamented couches, idly
hot-air and rejoicing at the finishing
of some portion that relieves them all.
These are the more gentle and
affectionate members of society -
the warm water bath from which they
come to run the business world.



with the stiff proffered rations to the sub-
marines are commensurate with their rank
and service. These sailors with some relish
and varied, judging from the uniforms
seen, were applied by attending slaves
while their masters turned languidly
upon their couches or conversed with
their companions on the latest scru-
mble. We struck down to the sea and
here we find hundreds basking in
the sun or lolling in the ocean and
drawn rigor from its saline, brack-
ish; happy, so we leave them in those
leisurely.

The aquaria bath, fountain and
artificial cascade, to gild with the
most elegant of beauty, with all the

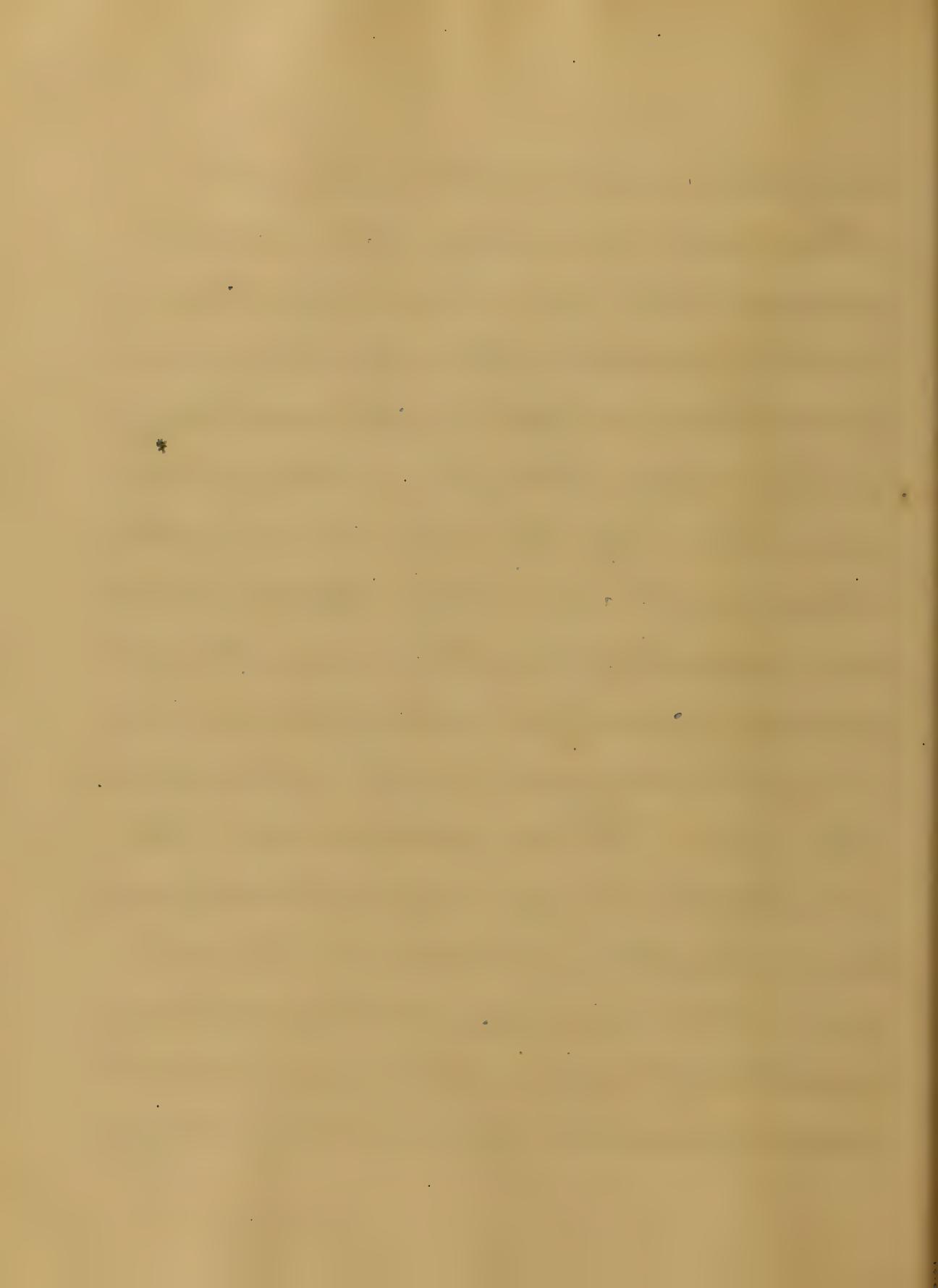


placed here and there in each house
give good evidence when and by whom
it was built and the circumstances existing
both private and public, show to
what extent provisions were made
for a large store for time of need.
Perhaps it would be interesting to men-
tion that today one of the ancient
walls, the left which corresponds
exactly with the level of the sea, still
gives back a supply of old, old stones.
Now we see the abundant provision,
so far as it and the care taken to prevent
the damage.

Having touched upon the first point in
my narrative, we will glance at the
case where people destroyed either the

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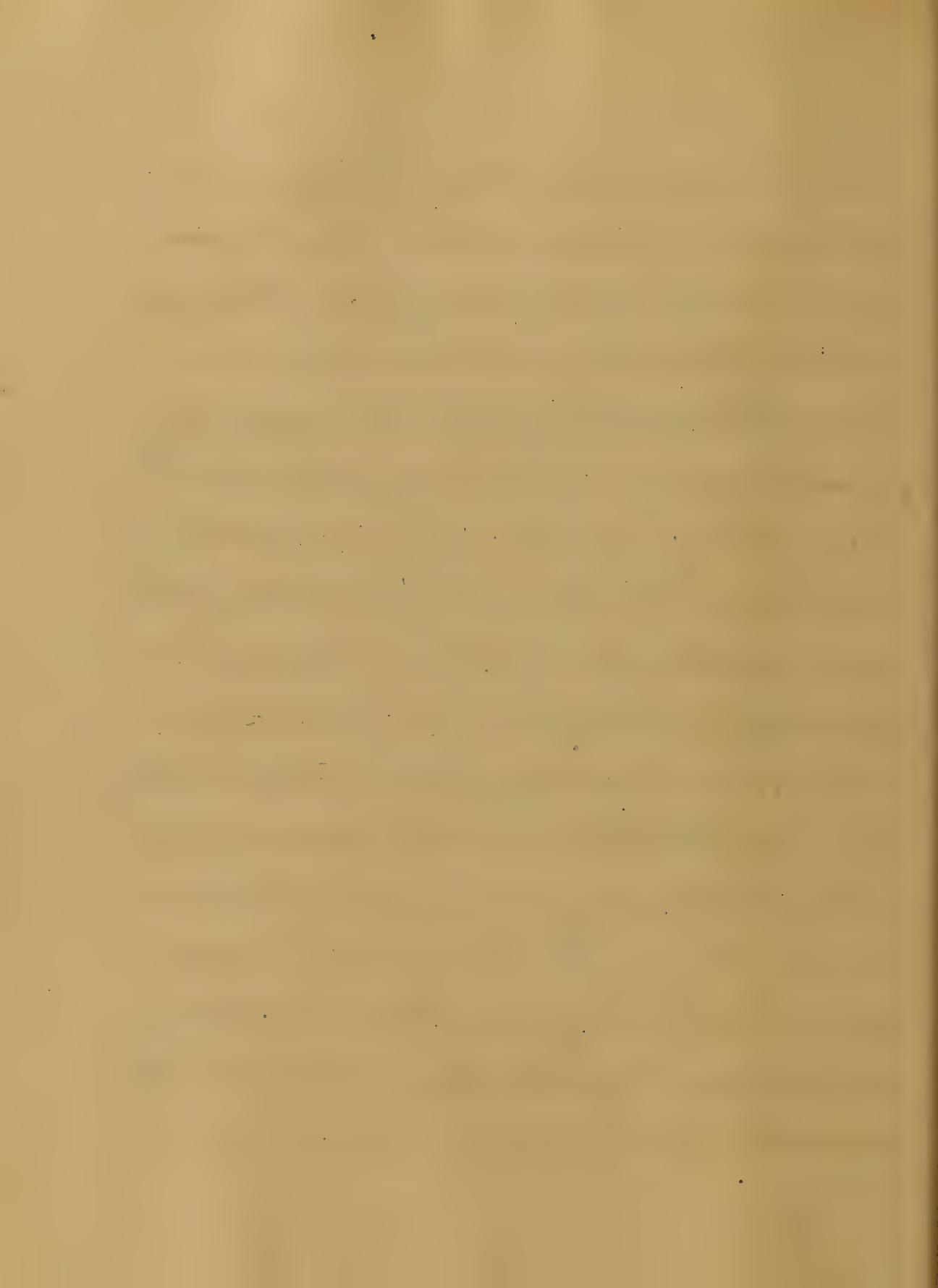
- that great health problem
that the man will thus add to
present difficulties becoming uncontrollable,
is well shown by several cases
described. A steel reinforcement
in a stone, that was buried for
about six years, still contained
the oil and fat of the animal.
These are found within the city walls,
but usually find that one nation
soon generates in such places no
attention and further deterioration
of the art. It is well known that
cemeteries are essential to the safety
of their location outside of the city
as a means of preventing disease
infiltration into a society without
factors improving their form and



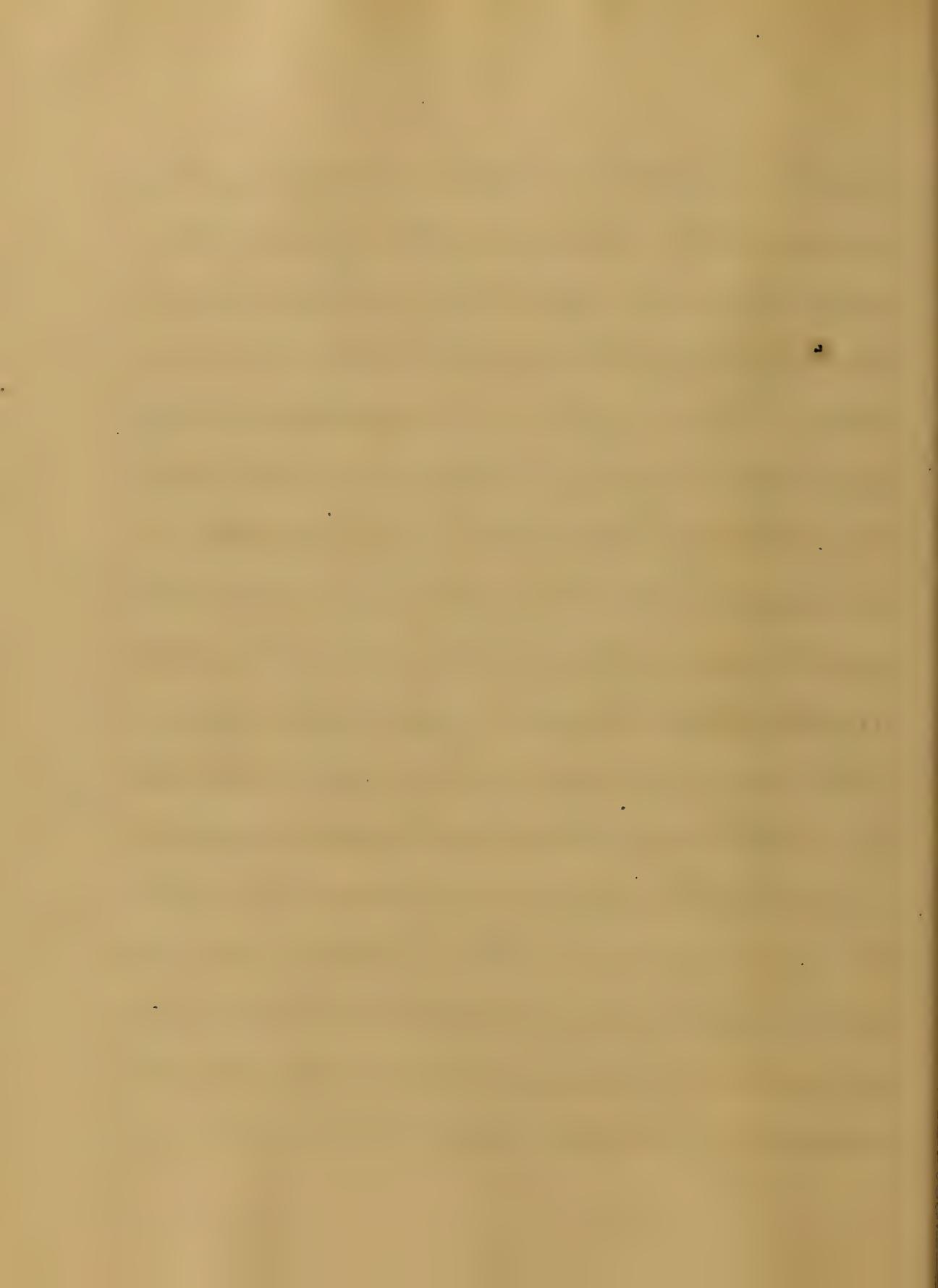
Their houses were small and generally without windows; or when found were only small apertures about the size of the thumb.

Another peculiarity is absence of fireplaces and chimneys; only five have been found in all the villages.

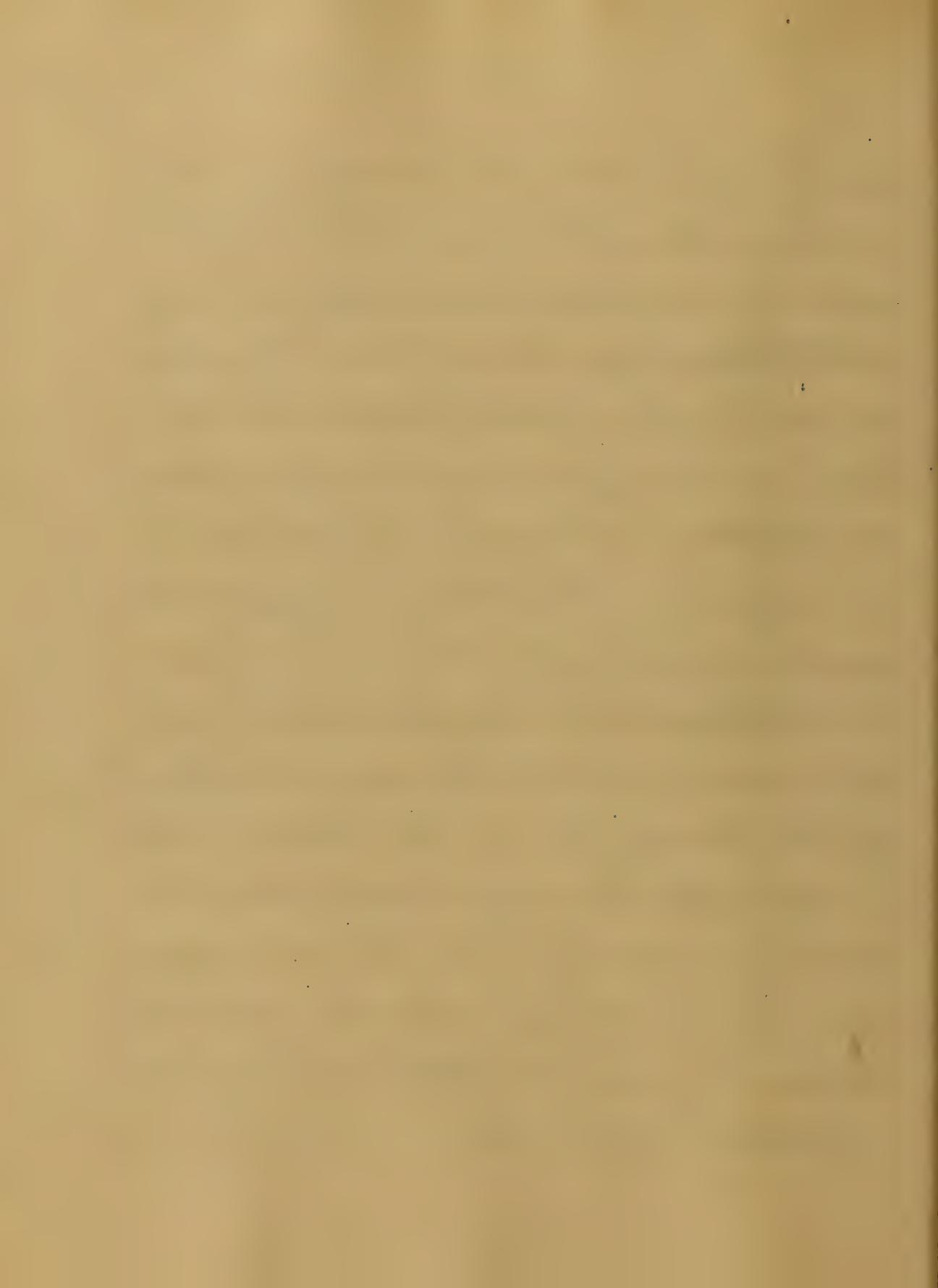
The use of charcoal furnaces, the very small size of the rooms and absence of windows, all indicate a neglect of the buildings, which is still further confirmed by their name to be sure we did not mean to go outside, each man used for a short time; and we can readily imagine that the Spanish spent most of the day in the central court, which was often



light and ~~the~~^{the} candle was burning
bright. This was another great over-
sight, for the candle, although of
sixty light, is ~~too~~ well known to melt
when lighted. The very natural light
admitted to their sleeping apartments,
was through the doors; and as their
average bed-rooms were more closely
containing less than five hundred
cubic feet of space, you will agree
with me in condemning them; still
from their great number we would
infer that they are acceptable
to the people. These people have
sacrificed light for the convenience
immunity from flies which do no
seem to be the comfort of a house.



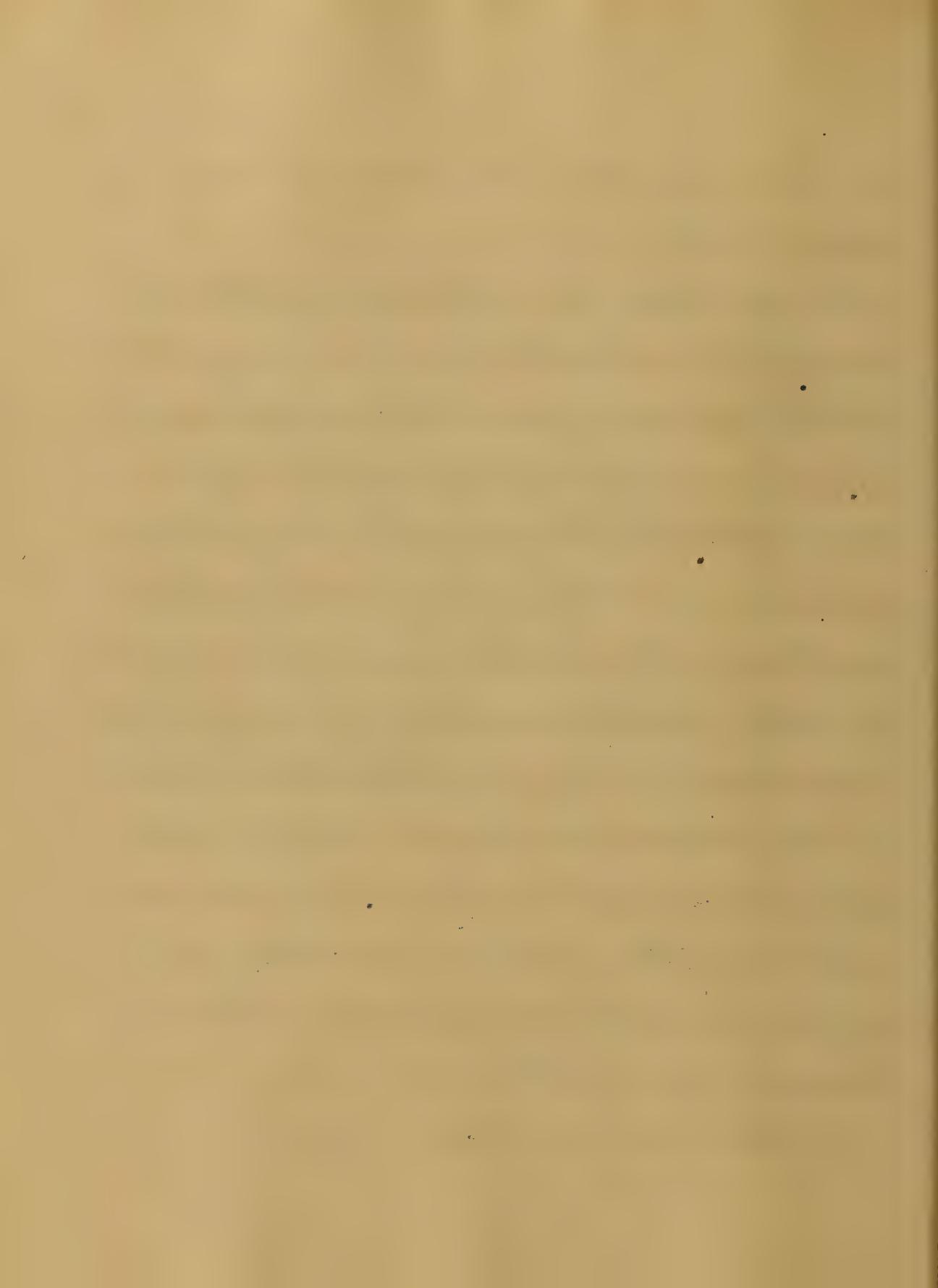
about daylight. The chairs were small, - not larger than one would suppose, - and were covered in, so that ventilation was through the top which could be opened and closed at will thus admitting, at best, but a defective ventilation and a limited amount of light. That they were ignorant of the effects of infestation is again demonstrated by the location of their water closets; the convenient part of the house was in the kitchen, with no attempt at concealment; another faulty arrangement. The men know that there were similar to the deathbeds or else they were compelled each day, the officers would insist upon their being



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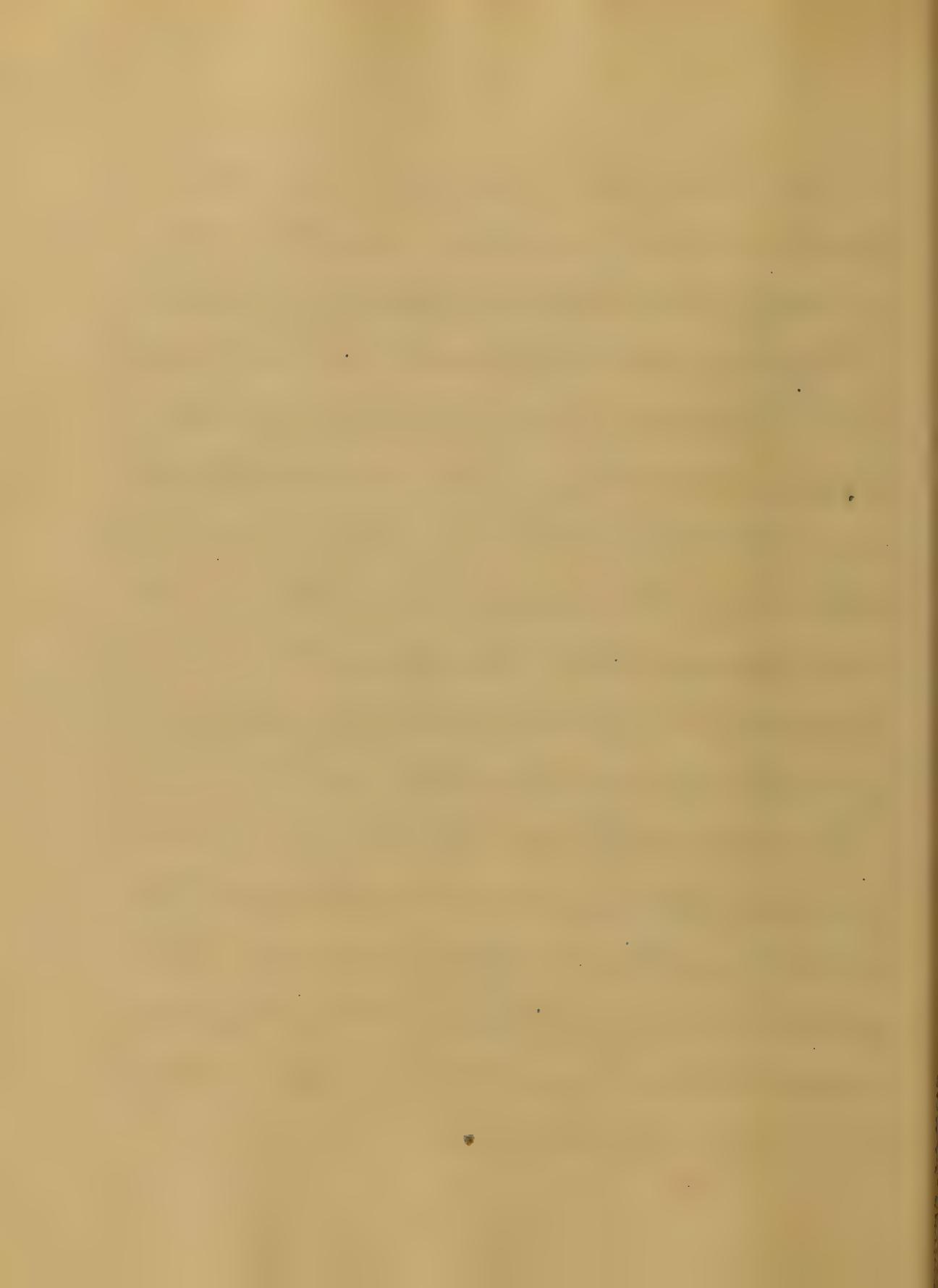
that certain vessels
should be.

The method of artificial light the
ancient one lamp with the dangerous
floating in an open dishshaped incen-
tible, gave at least but a feeble light
and notwithstanding the inspection
of such a faulty arrangement with the
contaminated, still we were compelled
to do so while examining these swift
and beautiful lamps. That the Chi-
nese were a wonderful people and
well advanced in the arts and civil-
ization, though they were still in
want of one or two great sanitary
laws, ventilation
but we regret to see no more



B.V.T.

one excuse for the medical advice a
people in not getting more satisfactory
for a more liberal supply of physicians.
It was a most delightful result to tell
him we can point to some features
of their household and family that
may, perhaps, throw some light upon the
causes at this moment. He must
not forget that the climate is a mild
one, and that in that they expect a
greater part of their time to be spent
in convalescence. This will demand
a large proportion of time to be occupied
in quietude & rest, yet rest will
convalesce, that is to say, from the time
they first come to the country
through the winter.

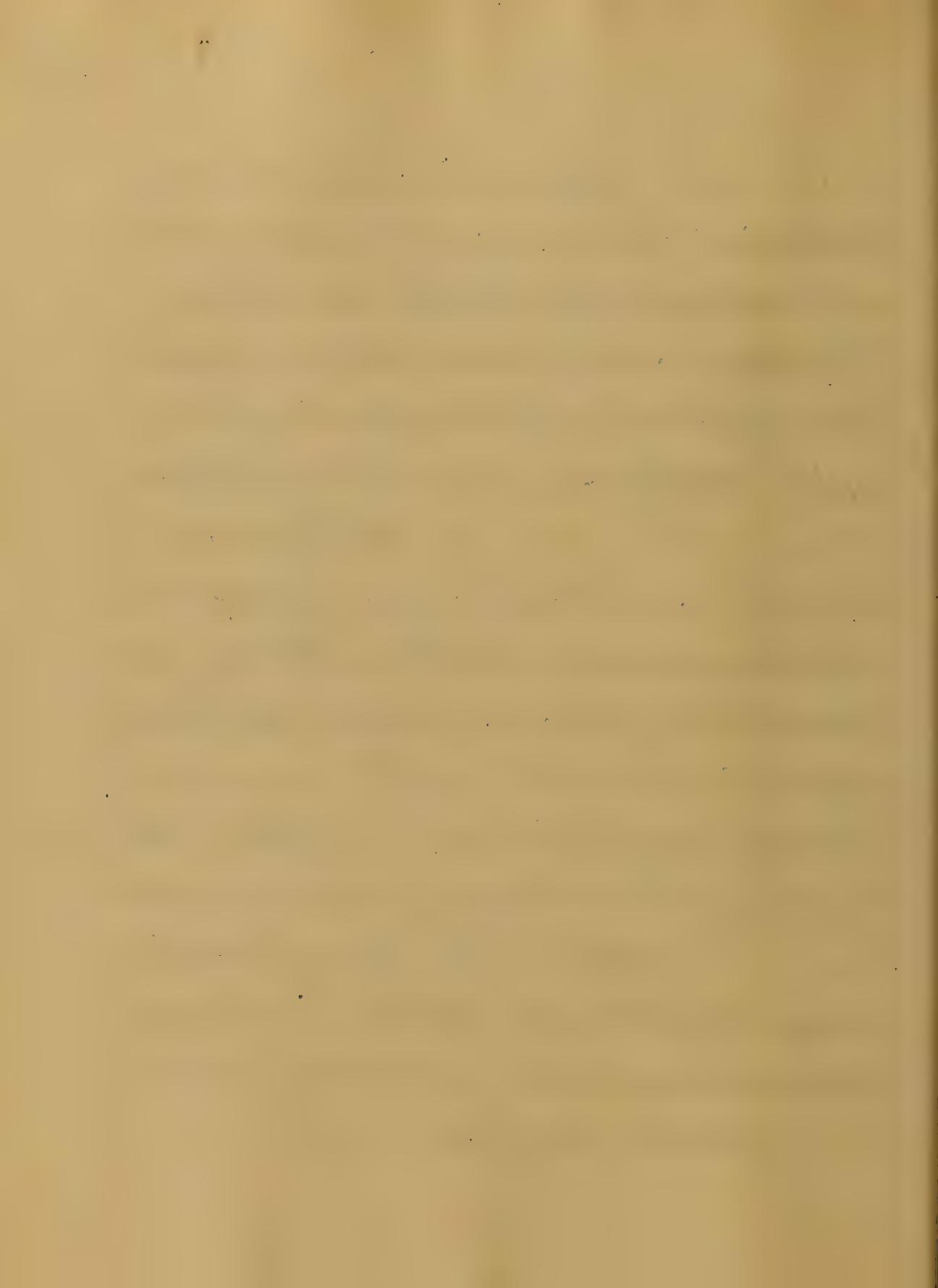


Again we cannot help noticing the many stone seats placed at convenient distances that the weary might rest on the tedious course, showing that the comfort of the citizens was not neglected.

When we note the smooth worn surface of the numerous meeting places, we know they were not ignored, but were in constant use.

The hanging balconies are still another proof of their habits in the open air.

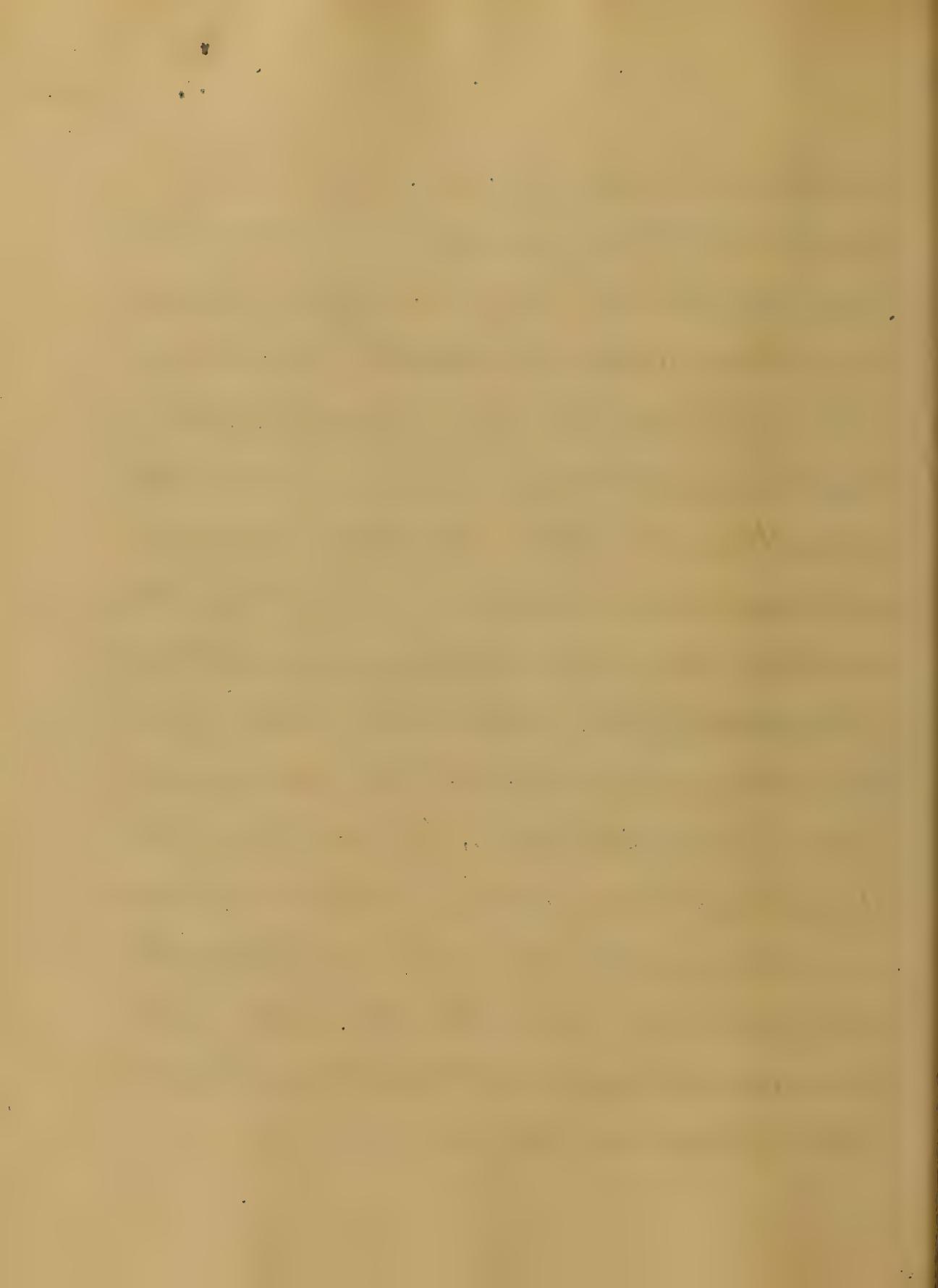
Again the Forum, Bucellaria, the temples of Venus, Mars, Mercury and others, together with the



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and public garden, were a favorite
favorite place for the invalids, and
presented a view on the sea.

Again, in the country, the fountains
whose jets of sparkling water break
and run in the sun over miniature
waterfalls helped greatly keep the
air cool and the air dry, insuring health
under the naturally dry climate; yet
the atmosphere was so dry the health
failed again. Finally, the wife no
longer stood this protracted
froze to the ground, and so we have
our command to return after the
dissertation, but with the hope that
she may bring the wife with her.



never in what I read till I was told
an effect.

"that the moral character
were had could not be said that they
were good, would be a very difficult
to mind audience to mine
the relic, which it will so much as-
taches you can decide, as well as
whether the new command and its man-
ifest influence on the mind and heart,

"This passes on, and comes in this morn-
ing, and shall go off as far as the
dictates; but we can stop at a moment
and adjust a link to the chain, and then
can make it fast. The frescoes and
art decorations naturally have no end
the bottoms of the walls and

to also wear the white stuff.

Their devotion to Venus is also well proven by their immoral dresses which distract attention from the forms of formality. Whether that is worn not unbreeched, they are not; whether under the sun or moon, with cities unlit or cities a dull light, but we have reasons to believe that it may, from the unusually arranged names, and one similar. Some made of stone, which are so sparingly exposed to public view, indicating of the constant motion. Also from the fact that the name and address of one of these prostitutes with the price of her favor were found written upon a polished slab of stone.

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that other depravities like ours to
the same degree prevalent, is
certainly traceable to the writings and
books, that we have given to them, and
their injurious effects on the general
health, are also well known to the
wise among us. The main objection
against myself, what is left out here
else examination of the contents of
it can't appear in the Neapolitan
newspaper, & make the curiosities more
striking, than at present, will not allow
time, space, nor inclination, to do so
on the present occasion. But there is no
bearing on the moral health of the
inhabitants; it is the reason I have
left out the paper.

That the Pompeians regarded amusements
as conducive to good health, we know
and one is impressed with gratifying
provisions made for the enjoyment of their
citizens. They not only find the city
possessed of a spacious theatre
theatre erected by the strangers are
convinced of laws and continuance,
but a theatre constructed with greater
show no mean allowance is made when
leisure may have led them to spend
as hours within its walls, we still
have the admission of a day or
through an other to be allowed.

The structure now stands in ruined
diminishing the number which
they have suffered the demolition

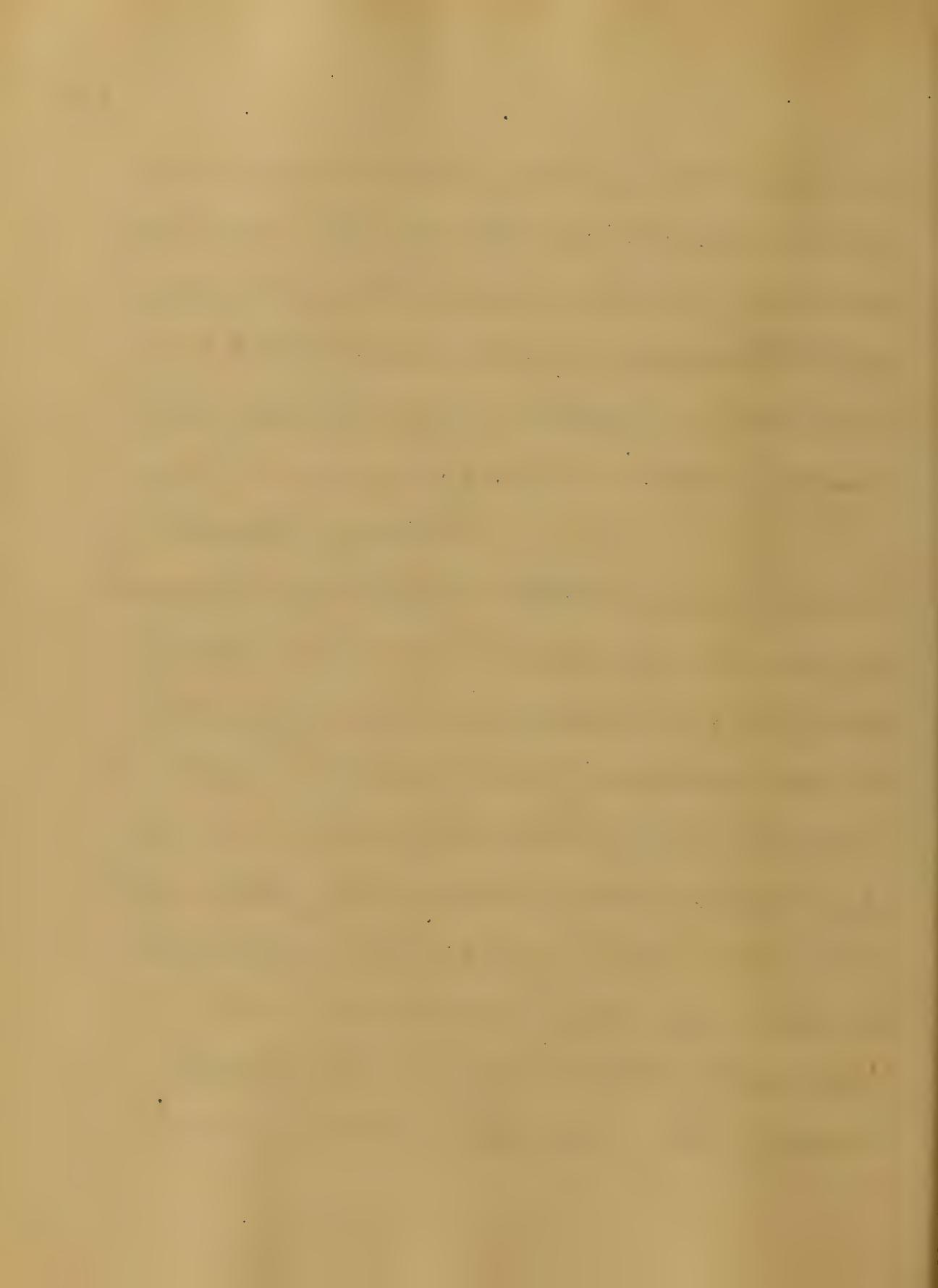
seals now worn in their seals by
the imagination the long duration of
favor or animosity & consideration
while the delineated seal is almost
a futile effort to stand as though
bearing for an author or publisher
from the lions and jackals.

Though the theater in ruins
with the emplacement of the present
zeal, it might be well to add
that the pleasure of the people did
not stop at so mild a pastime,
the skilled gladiators with scimitars and
steel, bravo fought in the amphitheatre
at Pompeii, and the mangled with
the earth, the other hand of the actors
onish where they now stand.

tasked by the more subtle, while the connection of his picture shown by the author, whose name of authenticity and completeness could be recalled only to the fortuitous reader.

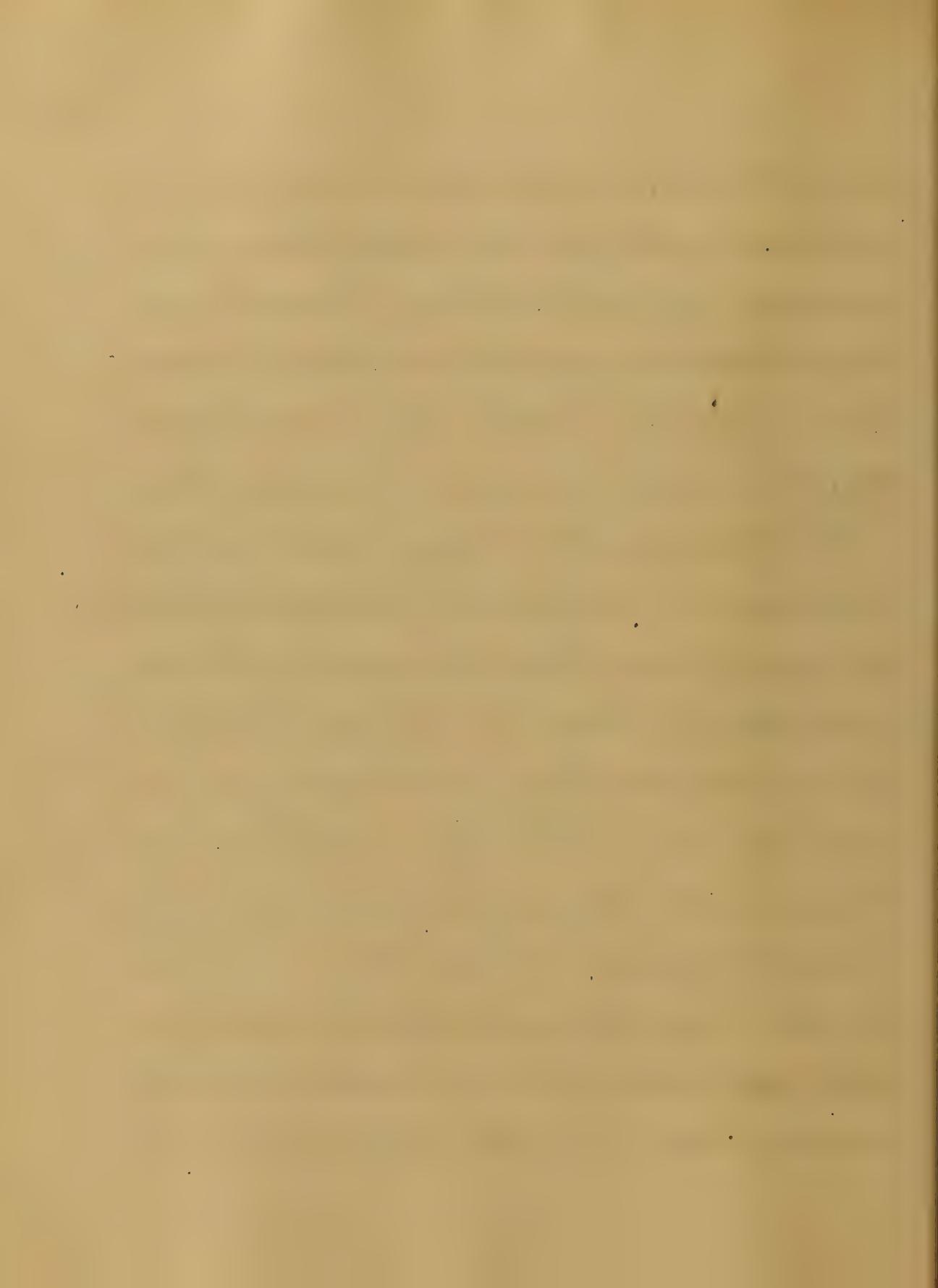
The can dwell

but a moment on the land of hope,
for it is the way of man to die;
we are fortunate in having been
to a mortal test on other strength-
ened to the action; perchance
perhaps, all will be well; and who
what one can indicate the character
and man himself,
'till he has seen his master
and son; the last moment



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were gathered in great force and formed
a line : ~~O~~range, orange, orange-
raisins, plum, cherries, raisins, orange-
raisins, orange, orange, mustard, red
corn wheat, millet, also salmon
sack, bread of coarse ground flour.
Thus you see I provide ample variety
to insure a substantial meal, besides
the many varieties of game meat
and fruit which are shown in the
mosaic paintings delineating our
dwelling. That they were fond of
eating and soon got round to know
from the guests which they indulged
in; but as there were principally
with us rich we can suppose that the
meals were not additively elaborate.

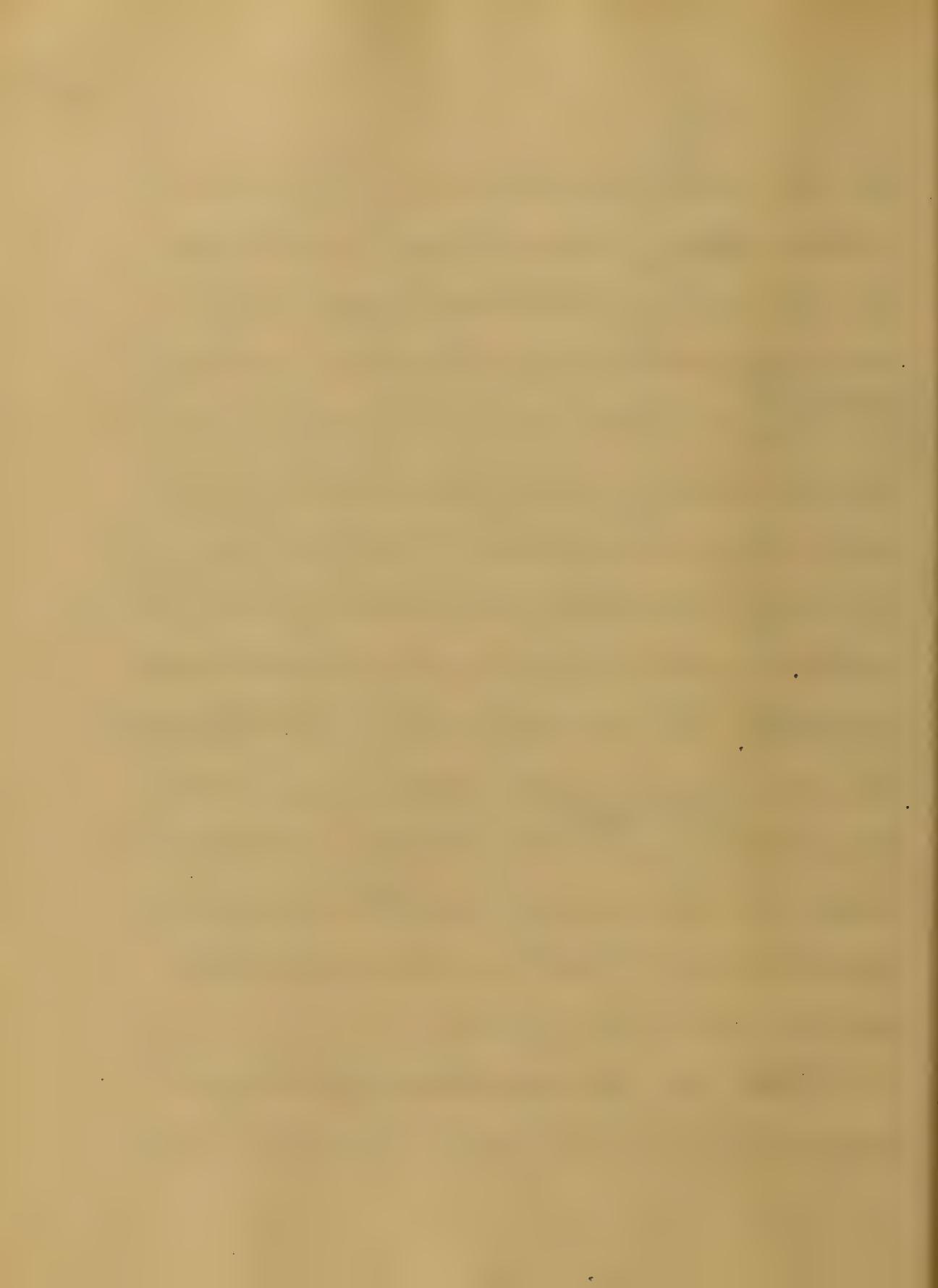


eating too much. Though we must acknowledge that at their meals good disposition and health prevail, and I cannot but think that the ardent wine selection that was introduced to remind them of the roundabout of life, filling them to enjoy the present, was much beneficial in many respects. Their friend who gets a good tippling and as they indulged in but two meals a day - the principal being dinner, so with them in devoting time to it, and banishing all care,

Their dinner was composed of meat with a variety of flavor and their friends introduced to me a new kind of meat, no doubt also a meat product.

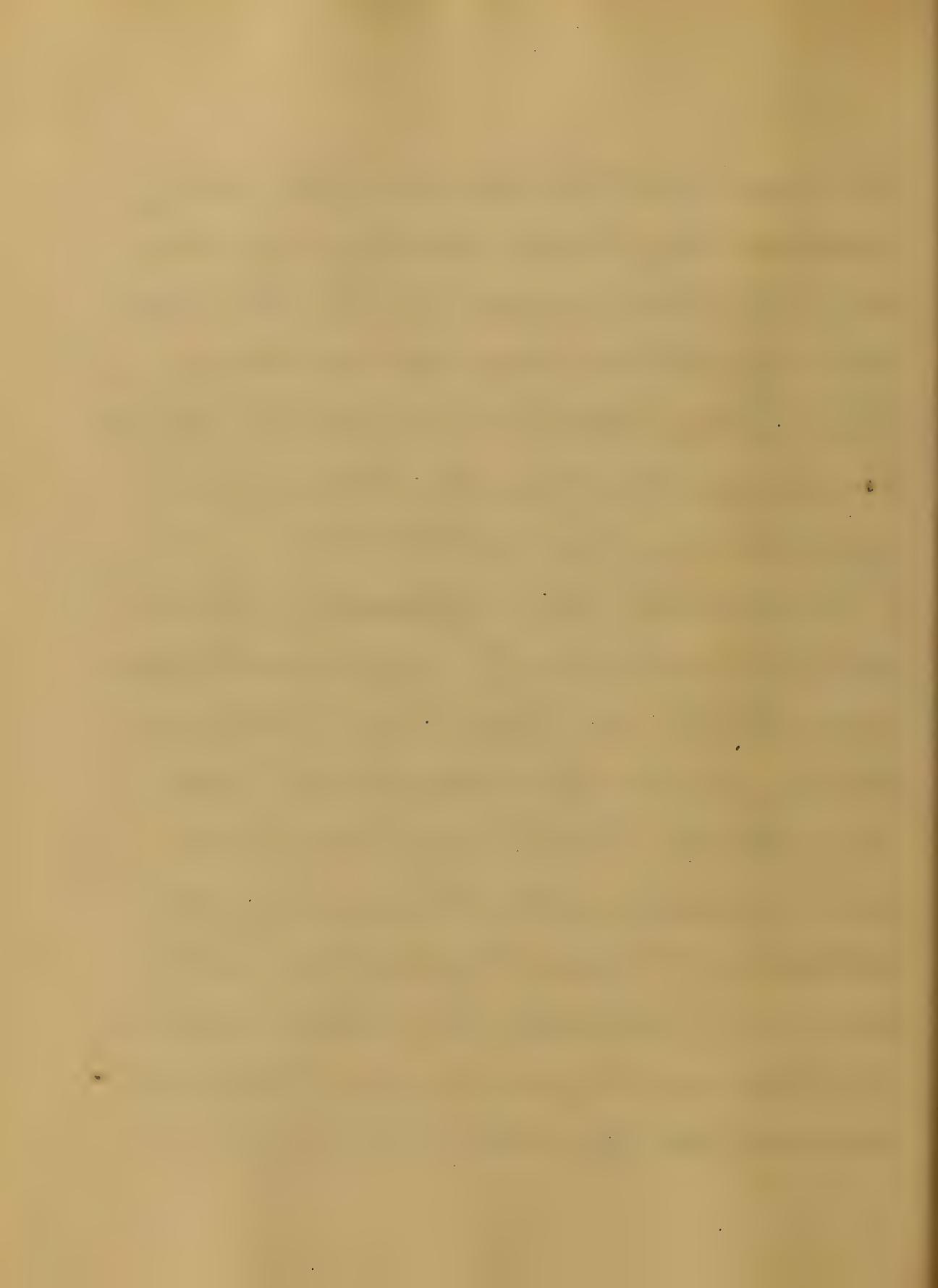
Warts and freckles are frequent.
One ~~the~~ ^{the} works of mention
is the care bestowed upon their
cooking utensils, they are uniformly
^{graceful} in shape, but made of bronze and
lined neatly, always with silver or
gold, to prevent the deleterious ef-
fects of corrosion which such ves-
sels are apt to produce. I will also
mention the general use of tooth picks
which is one of the great means of
preserving ^{the teeth} and preventing decomposi-
tion in the mouth, with its attendant bad breath and destruction
action on digestion.

With an indescribable feeling I
pause before the surgeon's house



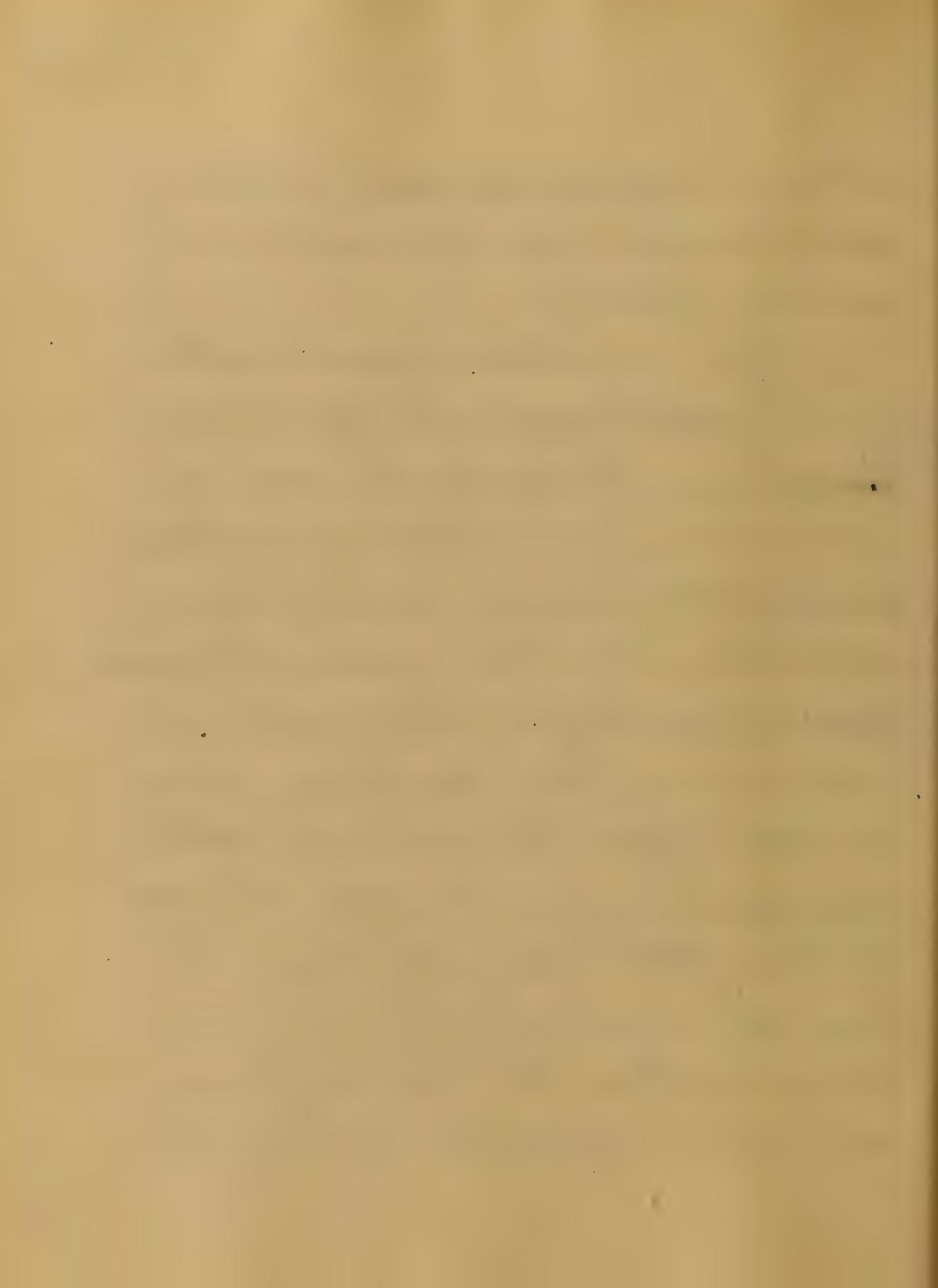
I cross the threshold & uneventfully uncover my head, knowing my inability to give expression to the thoughts the subject deserves. He has been crowned by wortlier hands than mine; his praise has been sounded in chord of harmony and gratitude!

I will only take a passing glance at his instruments which are before me. While we find his medicine boxes with the crude drugs, each in separate compartments, we find them graced with the dignity of catheters, bonyies, vaginal as well as anal Specula, but little inferior to those of the present day. Knives of various shapes and sizes, forceps



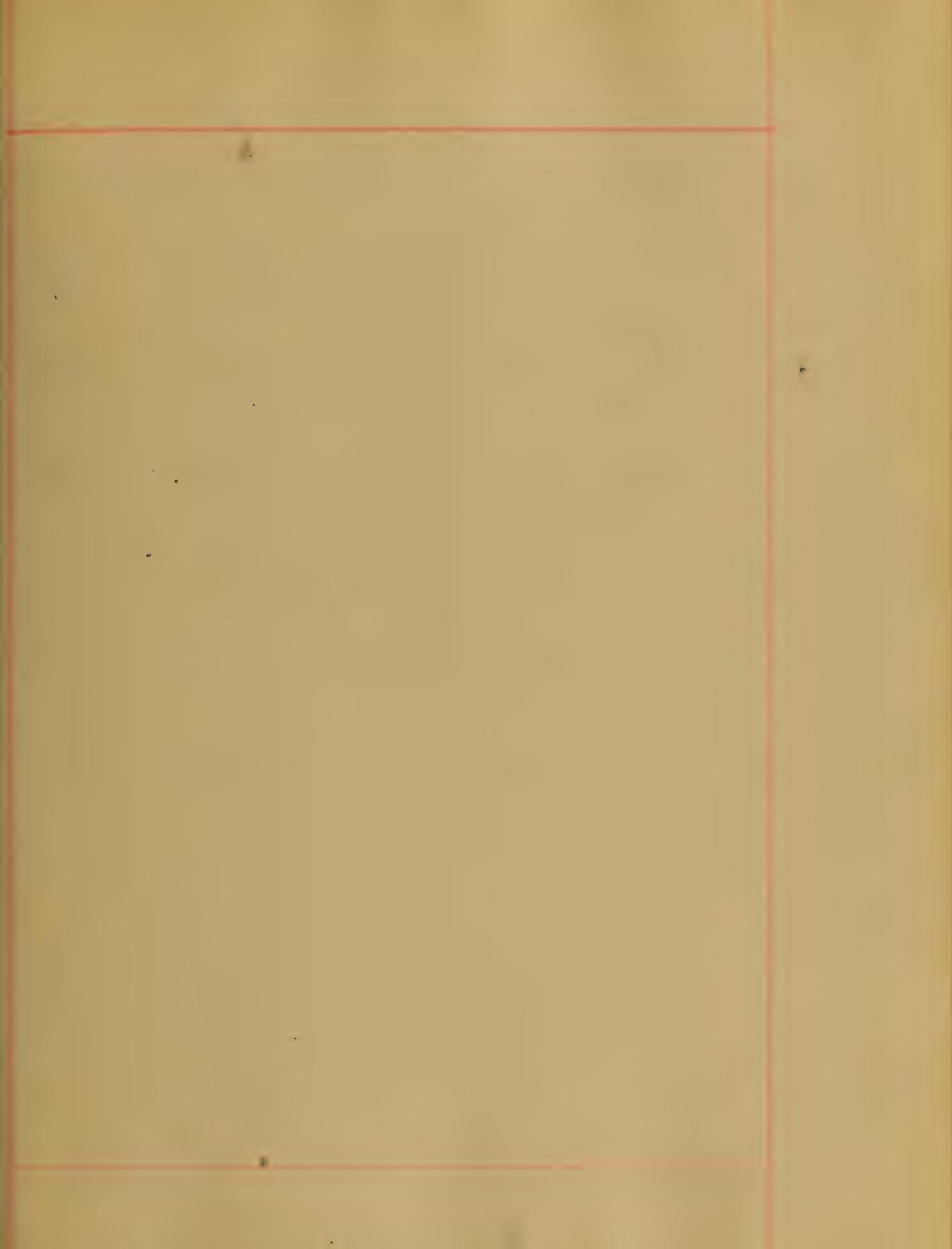
with seton needles, pinces, and tooth forceps and also actual cautery irons.

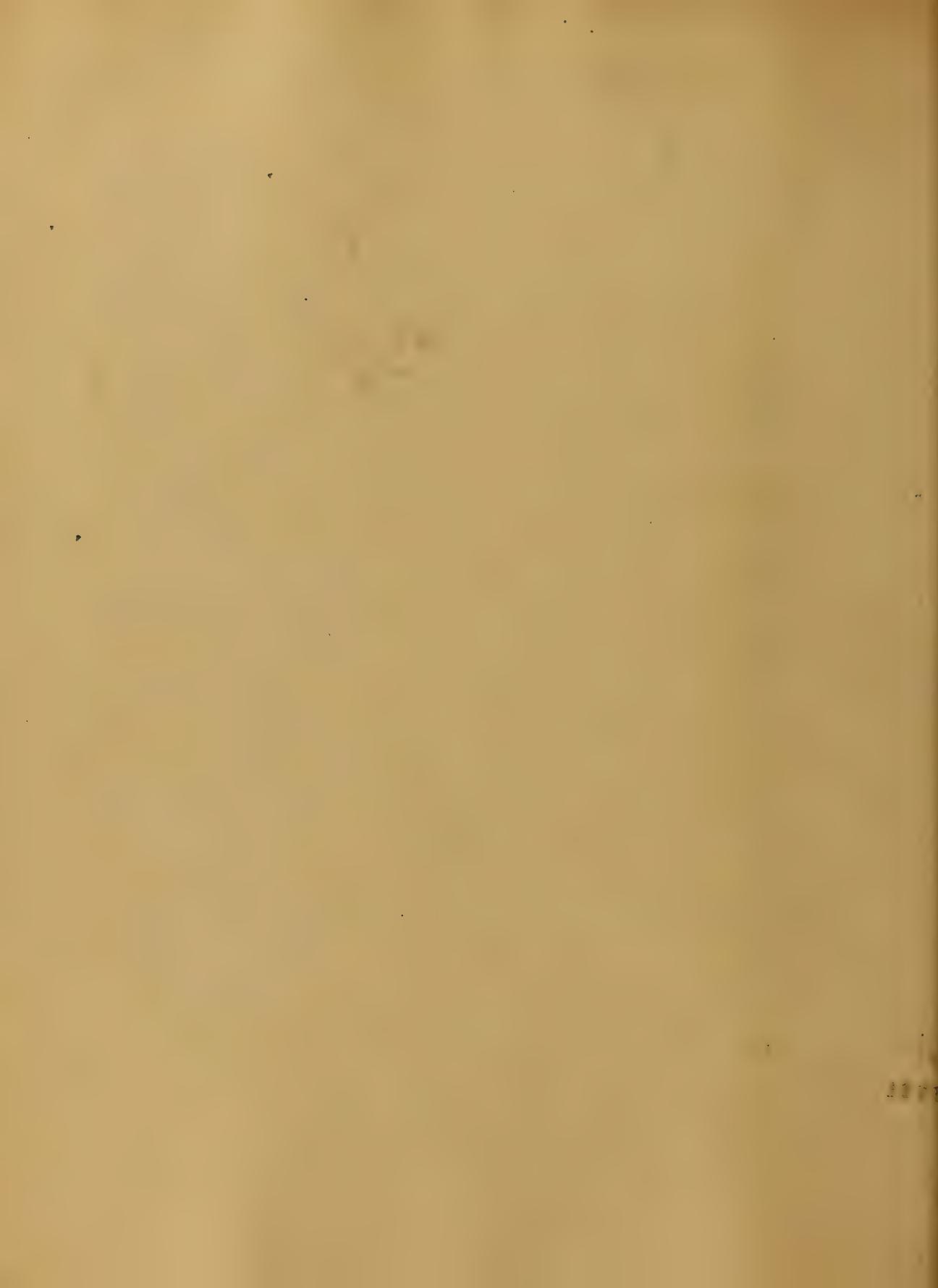
I stand before the altar in the temple of Hygiea with the two gods before me; Harpocrates siezes me with such a force that ere resistance flashes through my brain, I find myself within his b'lt and with bowed head I pass before the grand and noble asculapian, pausing but a moment before the kind and gentle Hygiea, lay my notes upon the altar at their feet and gently pass out from the temple, ready to have stood within the shadow of such noble gods, and as my thoughts



run thick and fast with memories
of the past; the stern and majestic
Julian meets my gaze; seated on his
throne, his silent and dignified look
recalls me to myself. So I promise to
perpetuate his name and honor my
calling, if Providence and devotion con-
fers upon me the key to the mysteries
of that ancient Catholic church.

Rx.





An
Inaugural Dissertation
on
Intermittent Fever
submitted to the examination
of the
Provost, Regent, and Faculty of Medicine
of the
"University of Maryland
School of Medicine"
for the degree
Doctor of Medicine
of
J. E. Seymour Butler
1881
Sharpsburg - Maryland

Gentlemen of the Faculty:

It is with measure that I present for your consideration and examination a Thesis
for the degree of Doctor of Medicine.

For my Inaugural Dissertation
I determined to choose a disease, the
history of which reaches back to
the earliest period of medical
science. It is a disease that
extends over the whole of
countries from 15°-63°. Its latitude
is the 53° south latitude. Probably
there is no part of the hemisphere
or tropic zones in which greater
varieties of it are to be found than in the
parts where man is least

and where it prevails to a greater or less extent every year.

The virulence of the disease increasing, as we approach the equator. In America it is quite common along the great Atlantic sea-board, as far north as Boston; along the west side of country drained by the Mississippi and its tributaries, the valley of the Sacramento on the Western coast; as well as the Gulf states and Texas on the South. It prevails also the western and southern coasts of Europe; along the coasts of Africa, among the interior districts of Asia, the South

American low-lands, and among
the inhabitants of the islands of
South Pacific.

Causes. The great etiologic
factor is malaria. But until
malaria is no one has as yet
been able to isolate or define.

Dr. Salisbury, of C. I. found in
his own observations, believes the specific
cause to be in the spores of certain
algae, a species of *Chlorodiscus*.

This has not yet been proven
by other experiments, consequently
cannot be accepted as the definite
cause. Malaria is called
"marsh-malaria"; on account
of the abundance of this poison

in the neighbourhood of marshes.
Some marshes do not produce
the poison. Especially those that
are studded with timber, as the
Desmal Swamp, with the consequent
growth of the cyathia.

The occurrence of mania is
especially common in marshy
regions, and the more extensive
these are, the more frequent and
severe, as a rule, will be the disease.

Marshes are influenced in
the production of mania, by the
quantity of water, the rapidity of
its evaporation, with a mean
summer temperature of 60° and
lasting for two or more months.

along with the decaying organic matter which seems to aid materially in their production.

The poison is said to be more noxious in marshes produced partly by salt water. Especially delta lands. This is believed to be due to the action of salt water, in killing the fresh water plants and thus producing a larger amount of decaying material.

Agriculture with its draining and ditching, is the greatest enemy to malaria. Therefore malaria is less common in a thickly settled community than in scarcely populated regions.

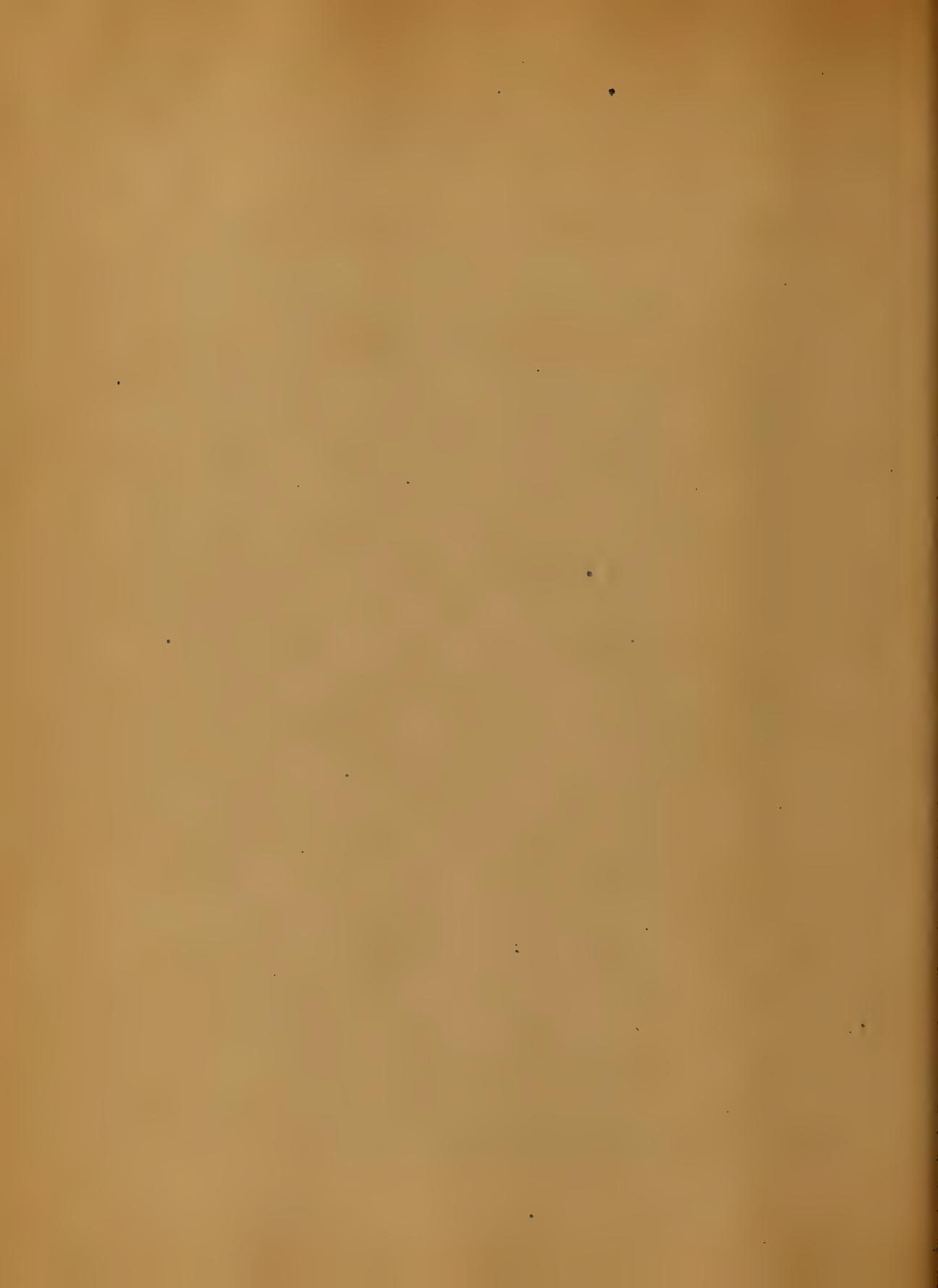
cultivation is neglected; where the ground remains uncultivated, and a luxuriant native vegetation is abandoned to its own destiny.

Darker bottom-lands, and regions that are exposed to an annual overflow, such as the deltas of rivers, with heaps of mire thrown upon their banks, as well as lands with clayey or alluvial soil, from miasms as well as swampy. The working of virgin soil, by which process the animal and vegetable organisms, hidden in the ground and brought to the surface, to act under the influence of warmth and air, it is not only affecting

The labours engaged in such enterprizes, but the inhabitants of the surrounding country, far and wide, are attacked with malaria.

This is another great factor in the introduction of malaria. It is furthermore well known that the development of the disease usually takes place during the summer months, and that it disappears, or at least no new cases arise, during the winter, unless the weather be very mild. The time and intensity of the fever are usually directly related to the temperature of the atmosphere.

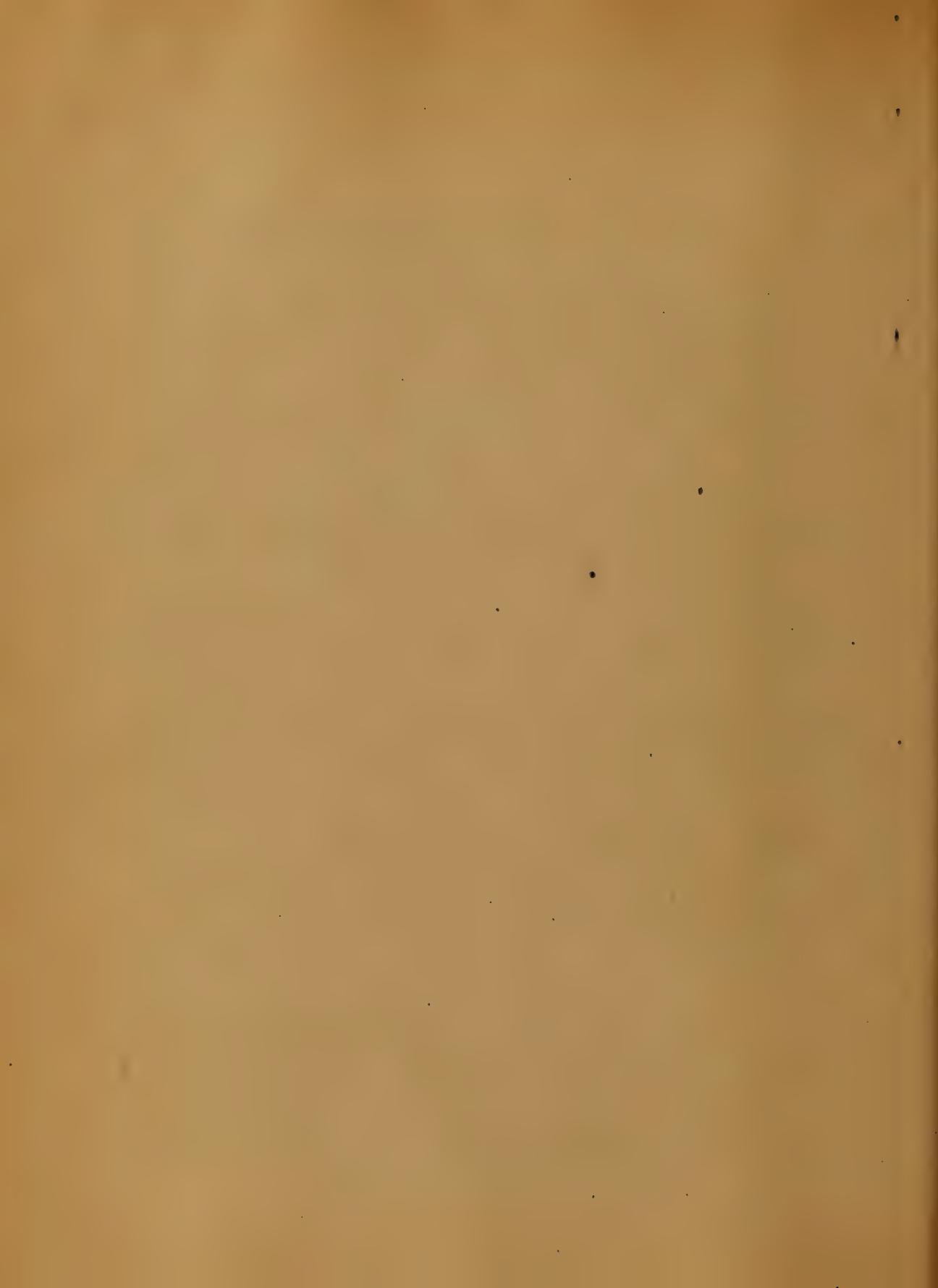
So then we proceed to the



These facts, the conclusion we must
come to, is, that the disease is one
almost confined to the spring, sum-
mer, and autumnal months, and
the most common of the seasons
for its occurrence is the autumn.

Intermittent Fever, attacks all
races and nations with like
violence, excelling the negro race
who are less liable to be attacked by
it, both in their country and abroad.

Man is liable to be affected
from infancy to old age, but the
forms are varied. In children
we have intermittent fevers; tri-
minal in youth; while in middle

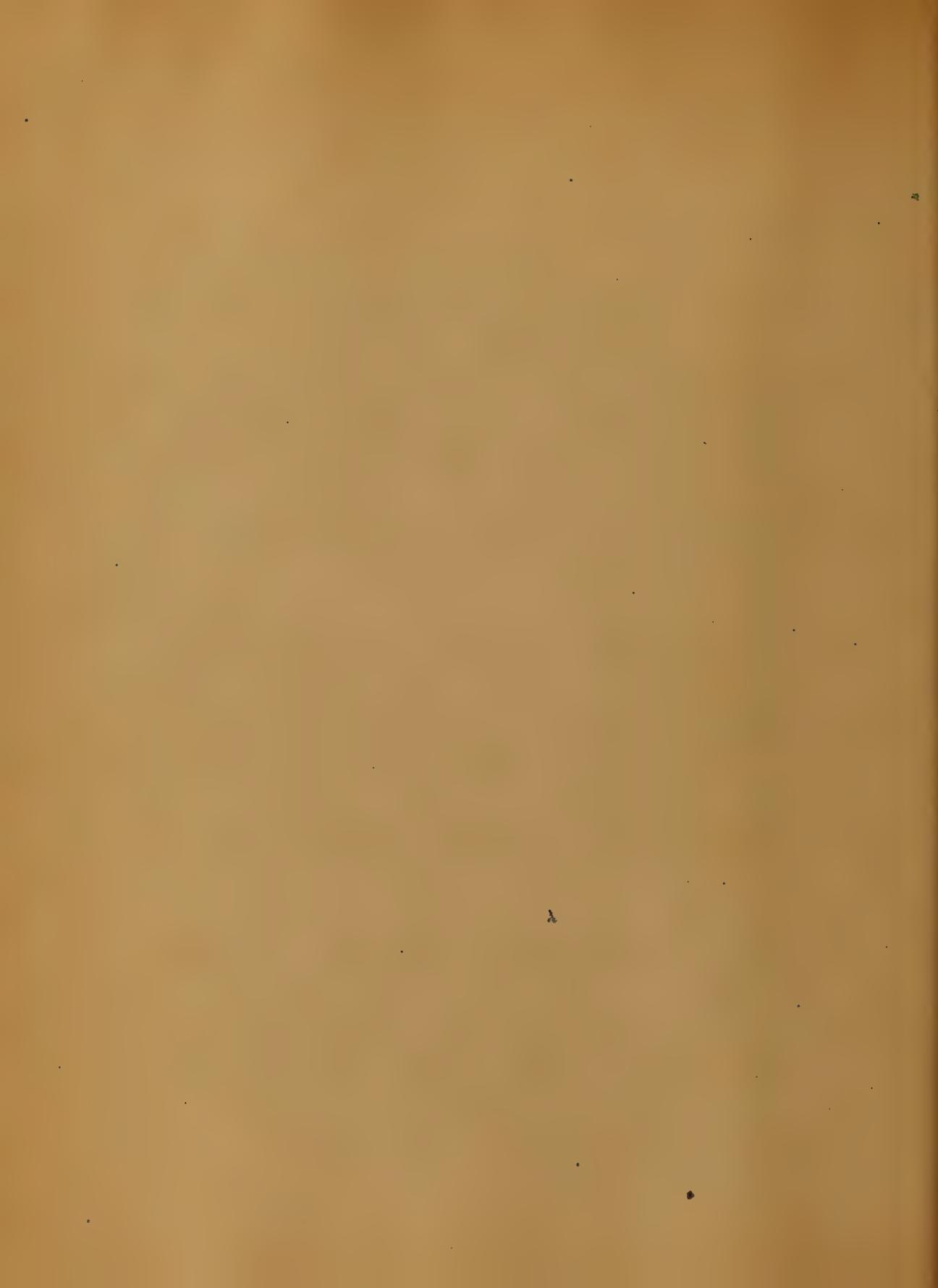


life, when it is most common,
we meet with all forms; in old age
the frenzied form is most common
when once infected.

On
There are account of their being
more in contact with the poison
are more liable to the infection
than others.

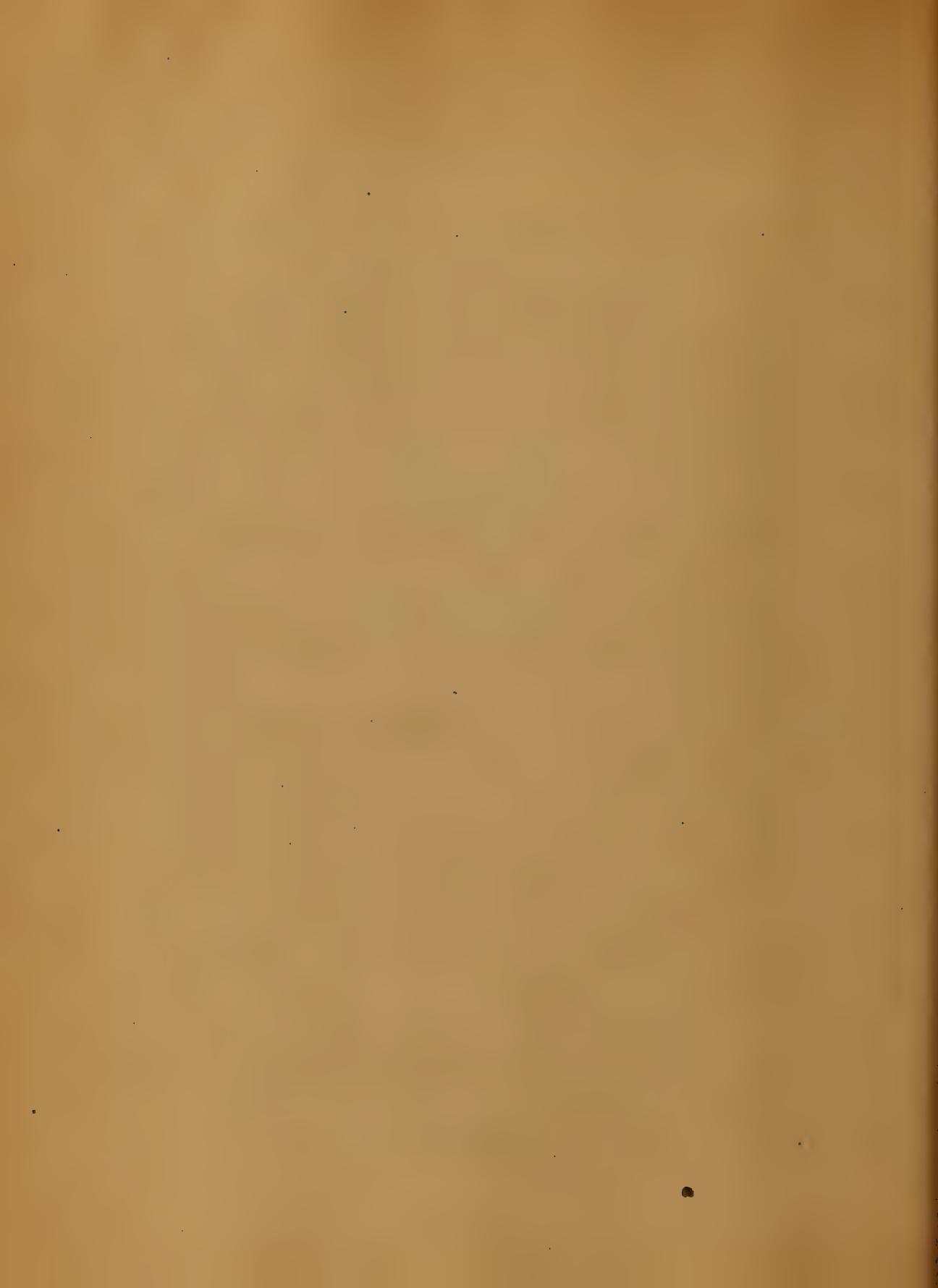
Ginger, Mint, loss of sleep, bodily
and mental exertions, fatigue, rigor
exhaustion, and fatigues must be
reckoned among the predisposing
causes.

It is difficult to make out a diagnosis
by the occurrence of febrile attacks
in regular succession, and often
absence of febrile movement



between the paroxysms. The distinctive feature being the intermission. In its simple form it is rarely attended with danger to patient when under proper treatment.

When the paroxysms occurs day after day, it is of the quadri-
an form; Tertian when occurring
on alternate days; quartan when
on the first and fourth days; there
are also, quinarian sixth, sextan,
and octan, which occur respectively
on the fifth, sixth, seventh, and
eighth days. The latter is, not un-
frequently met with. Sometimes
two distinct paroxysms occur



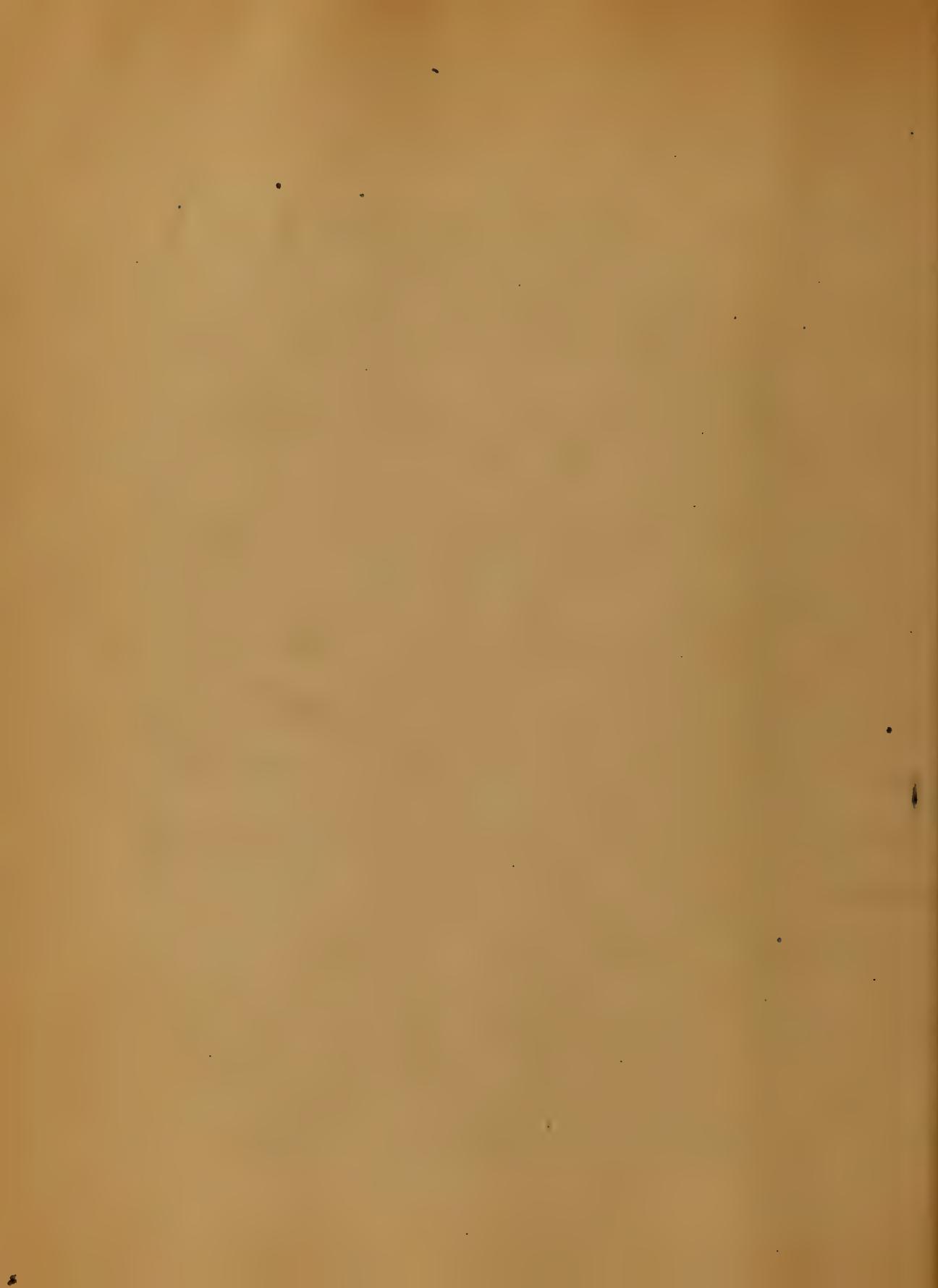
on the same day, and since we
have double quintain, double
tertian, &c., so we may have a
double fever of either type.

The patient is attacked
suddenly, or after having comlain-
ed for some indefinite period of
lassitude, head ache, muscular
pain, and epigastric disturbance.

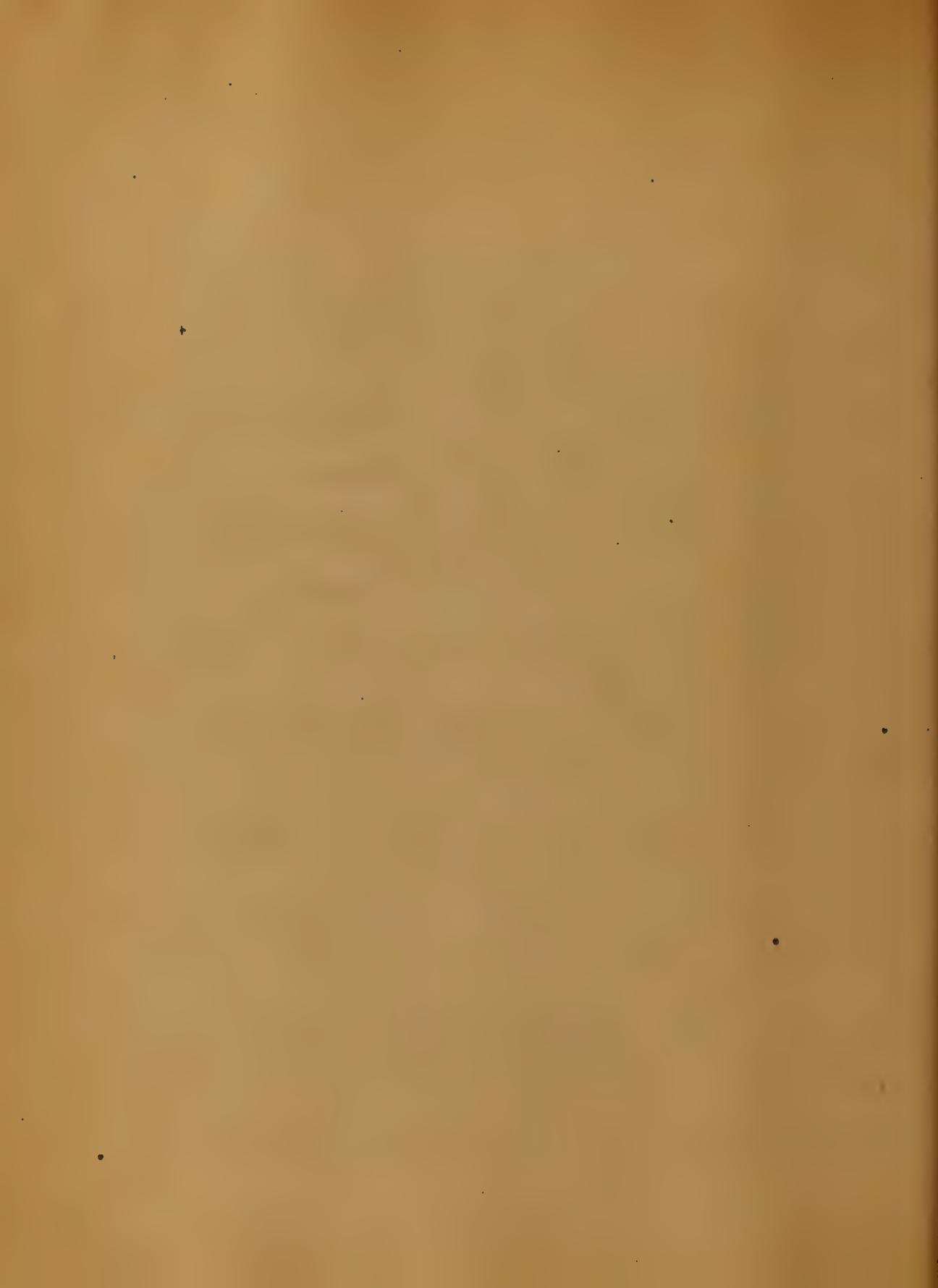
When the paroxysm is complete,
it consists of three distinct periods
or stages: viz., the cold, the hot, and
the sweating stage.

The cold stage is ushered
in with寒 and warning,
followed by sensation of coldness,
often preceding an shivering,

with a chattering of the teeth, and
tremulous movements. The lips
and finger ends often become
blue. The temperature is found
to be above normal, upon applying
the thermometer to the axilla,
mouth or rectum. There is occas-
ionally, vomiting accompanied
with loss of appetite, and thirst.
Depression of spirits, headache,
and drowsiness are common. The
urine has a low specific gravity
and is abundant and nearly
colorless. While perspiration is
absent. The average duration of
the chill is about three-quarters
of an hour although it varies



from ten minutes to several hours. The shivering subsides at last as a feeling of warmth gradually diffuses outwardly. A flush succeeds the fever, the pulse becomes full and stronger, the lips become red, the face full instead of retracted. The pain in the limbs disappears, but the headache is rather increased with a throbbing of the temples. Respiration becomes more free and easy; a buzzing noise in the ears, vertigo and nausea are produced on the attempt to rise. The usual complications attending the feverish state are thirst, a dry mouth, constipation, high colored and

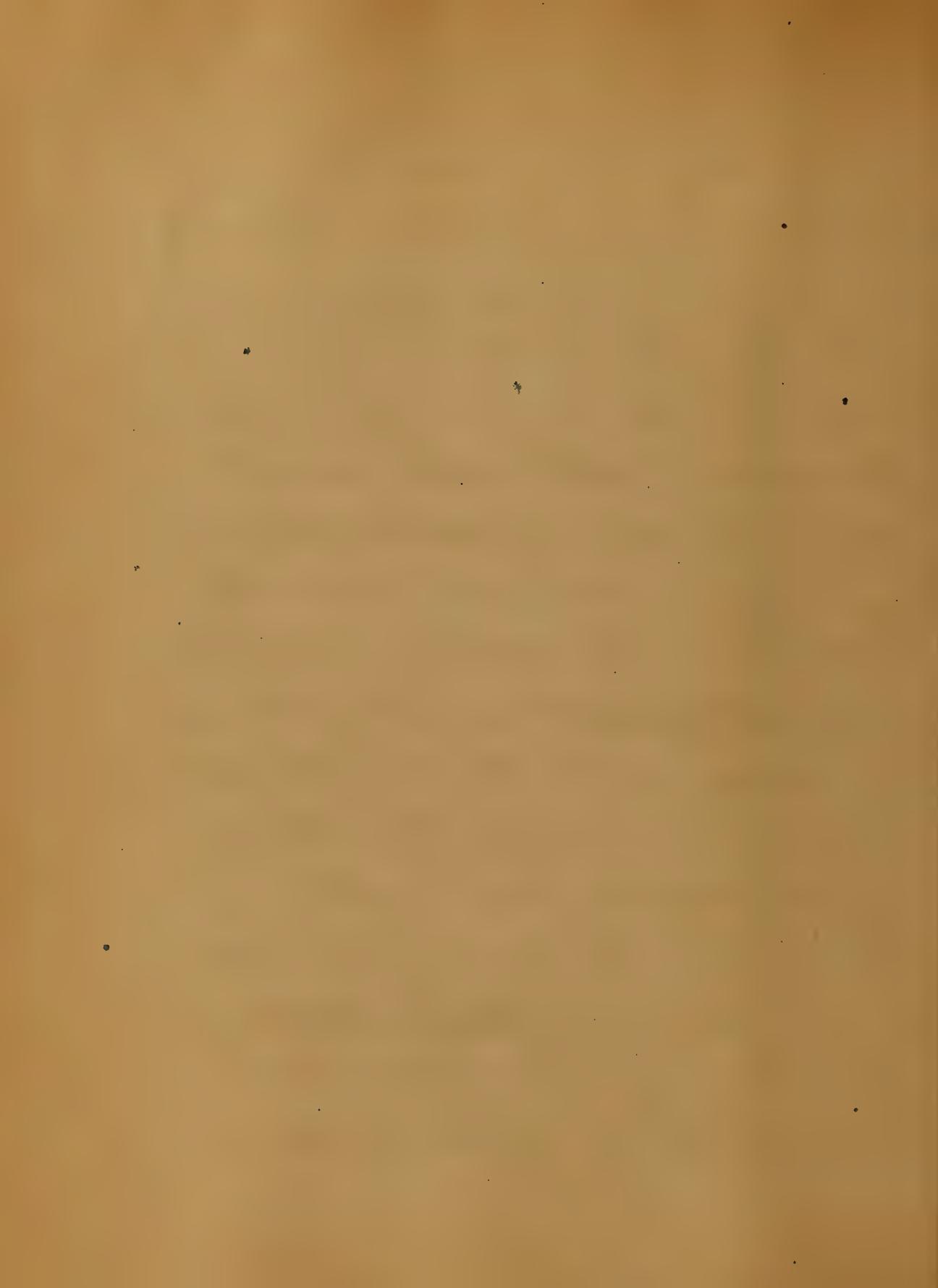


scantly, and acid urine. The temperature sometimes reaches 105° to 110°, but is seldom above 108°. This stage lasts from an hour or two to twelve or fourteen hours.

The hot stage is succeeded by the third, or sweating stage. While the fever is raging, a gentle moisture abhors on the forehead and face. Presently the moisture gradually increases in drops, and finally flows off wetting the clothing and sheets. The fever decays, the tension of the pulse is lowered, the muscular soreness, headache,

and other pains cease; the mouth becomes moist; the thirst is lessened; the respiration becomes easy; and the patient although exhausted, experiences a feeling of comfort and often goes to sleep and sweats profusely all over. The urine is freely passed and deposits a brick-dust-like sediment. There is no definite length of time to be assigned to the sweating stage.

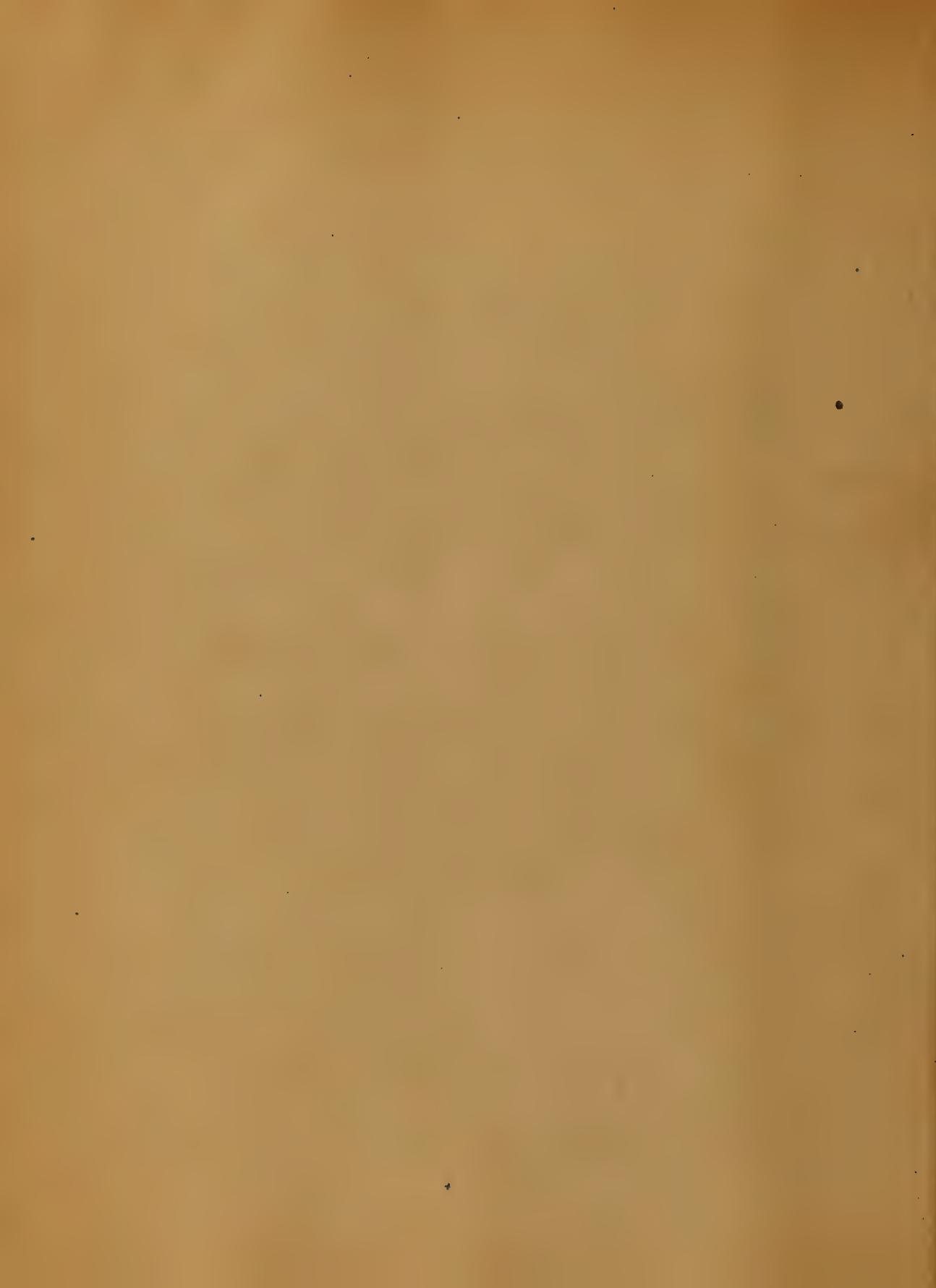
One or more of these three stages may be wanting. There is then only a chill, or a fever, or a sweat occurring daily, or every other day, at the same hour. Or the patient may be seized



with a paroxysm of hair with
the same regularity as in "Bro-
ague". Where the chill is absent
or obscure, and the other symptoms
recurring periodically is what is
properly known as "Cunkt Ague".
Any part of the body or any
member may go through all
of the three stages, the cold,
the hot, and the sweating; the
rest of the body being unaffected.

All complaints are apt to
take on an intermittent form
after the patient has once had
an attack of intermittent fever;
as intermittent neuralgia.

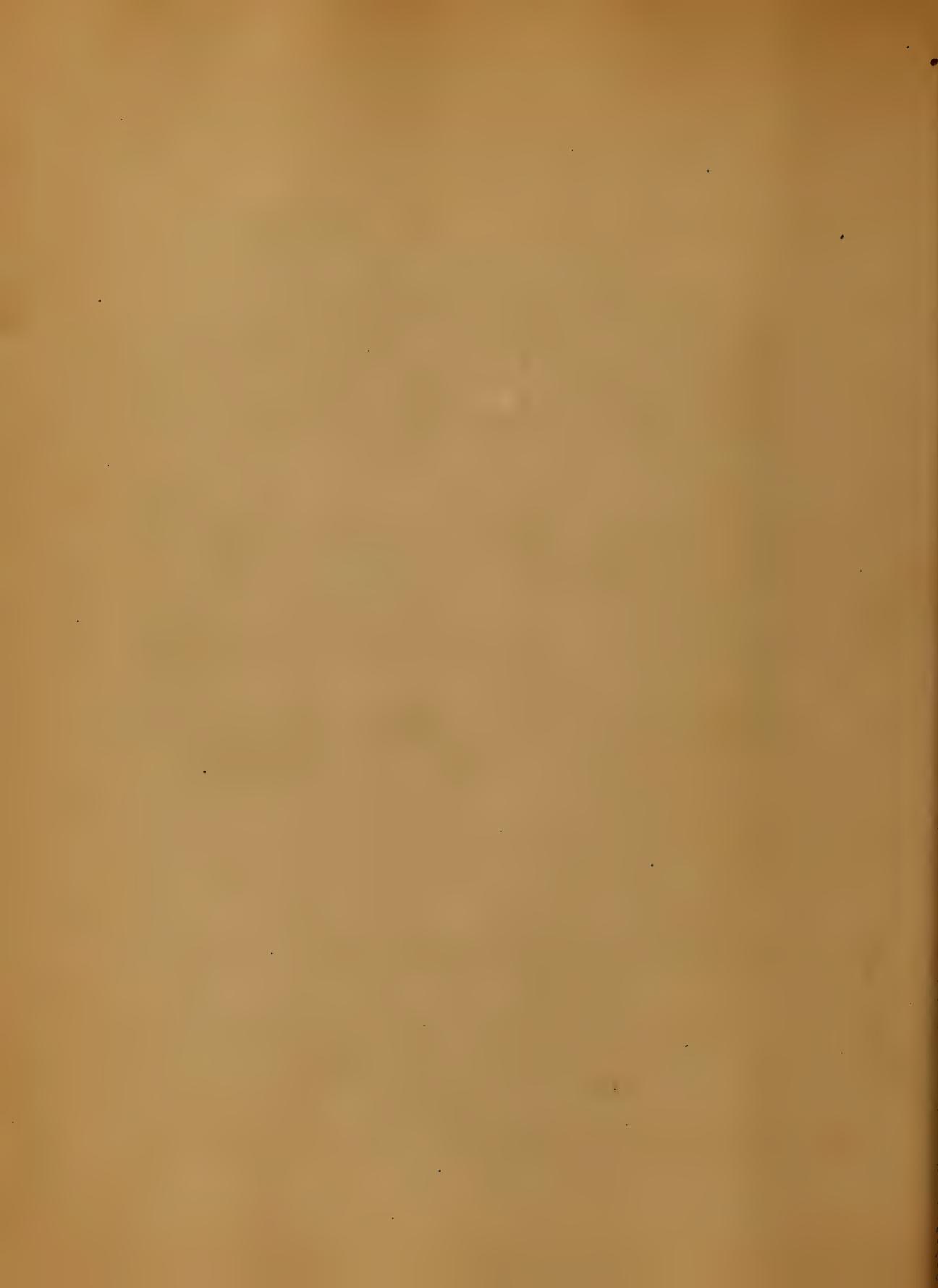
The paroxysms are most com-



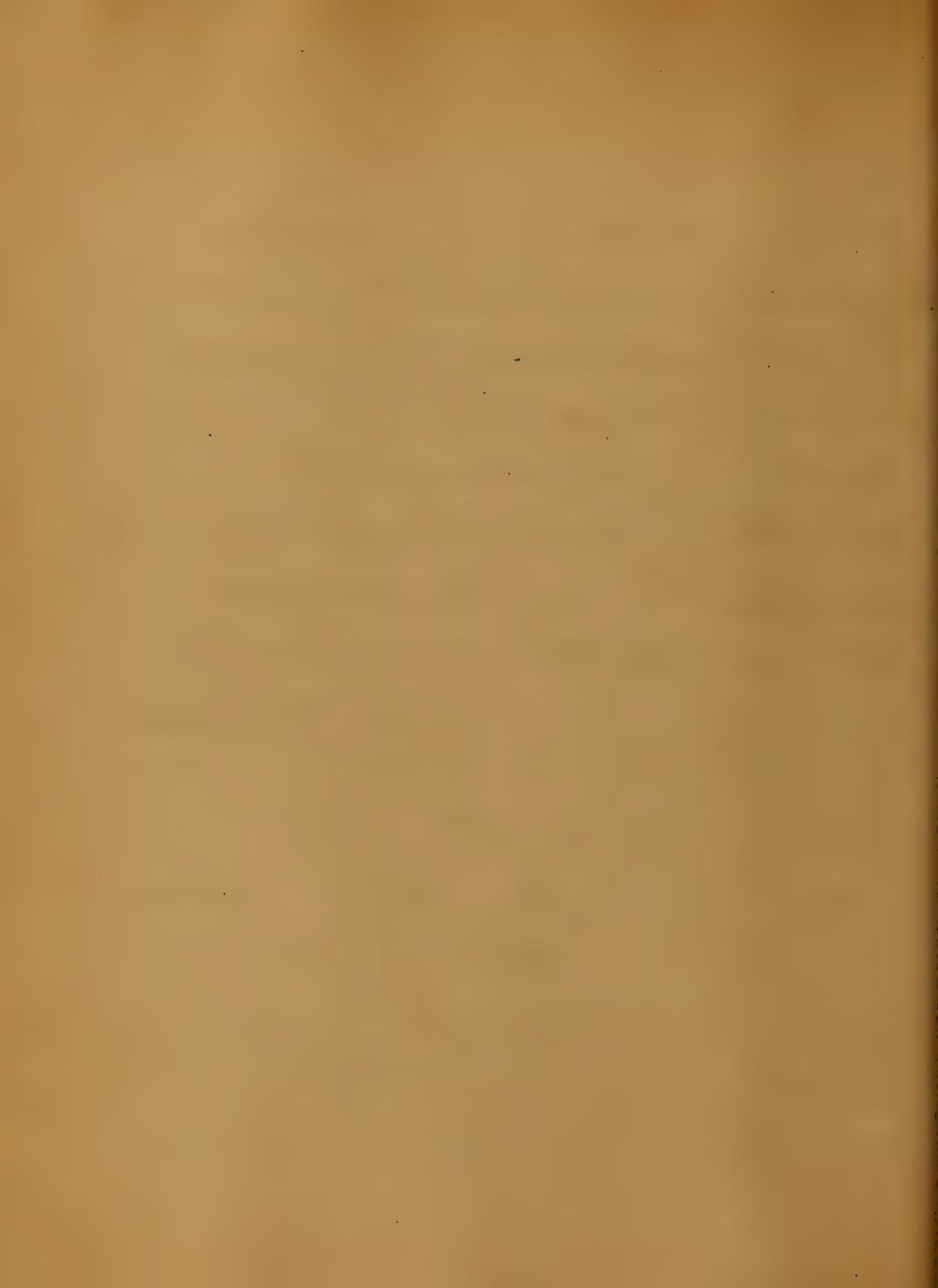
now in the daytime.

An attack beginning with one form, may be changed into another form. An intermittent may become a remitted and vice versa.

Sequelae. - When a case of intermittent has been properly treated, and the paroxysm abated there is a liability to a recurrence of the attack on the multiple day of the first or former attack. These relapses are due to the persistence of the condition which determined the first seizure. Long continued malarial poison lessens the red globules

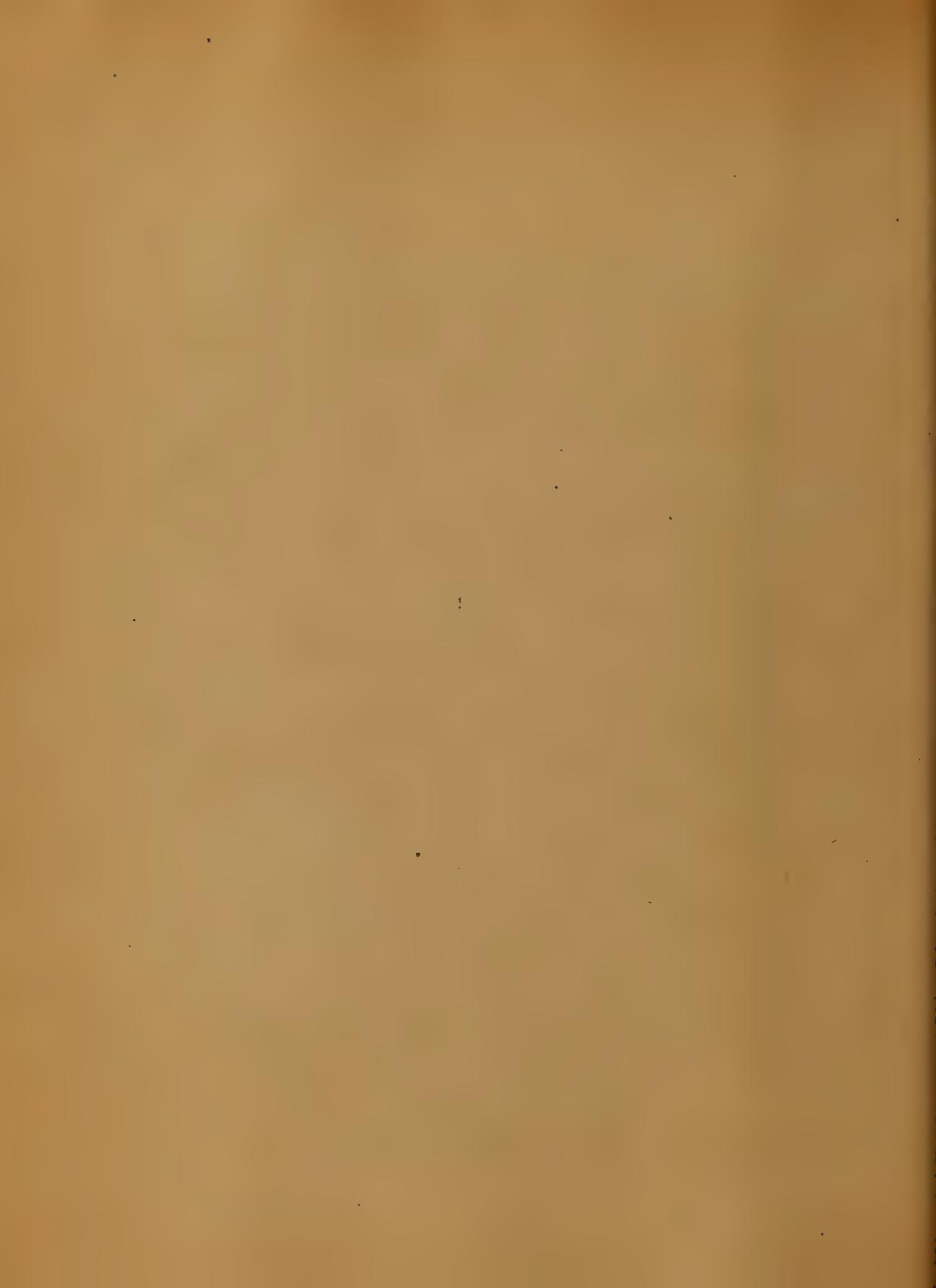


in the blood, while the white are diminished in size and increased in number, the ankles become oedematous; the liver and spleen enlarge; the skin is pained; the body emaciated; the appetite is poor; the digestion feeble. The urine contains albumen and is deodorized with bile-figment; fluid accumulates in the peritoneal cavity. There is a flatulation of the rectum and a venous constrictor which is caused from the watery state of the stool which may cause epistaxis. This condition is brought about by the morbid state of the blood vessels.



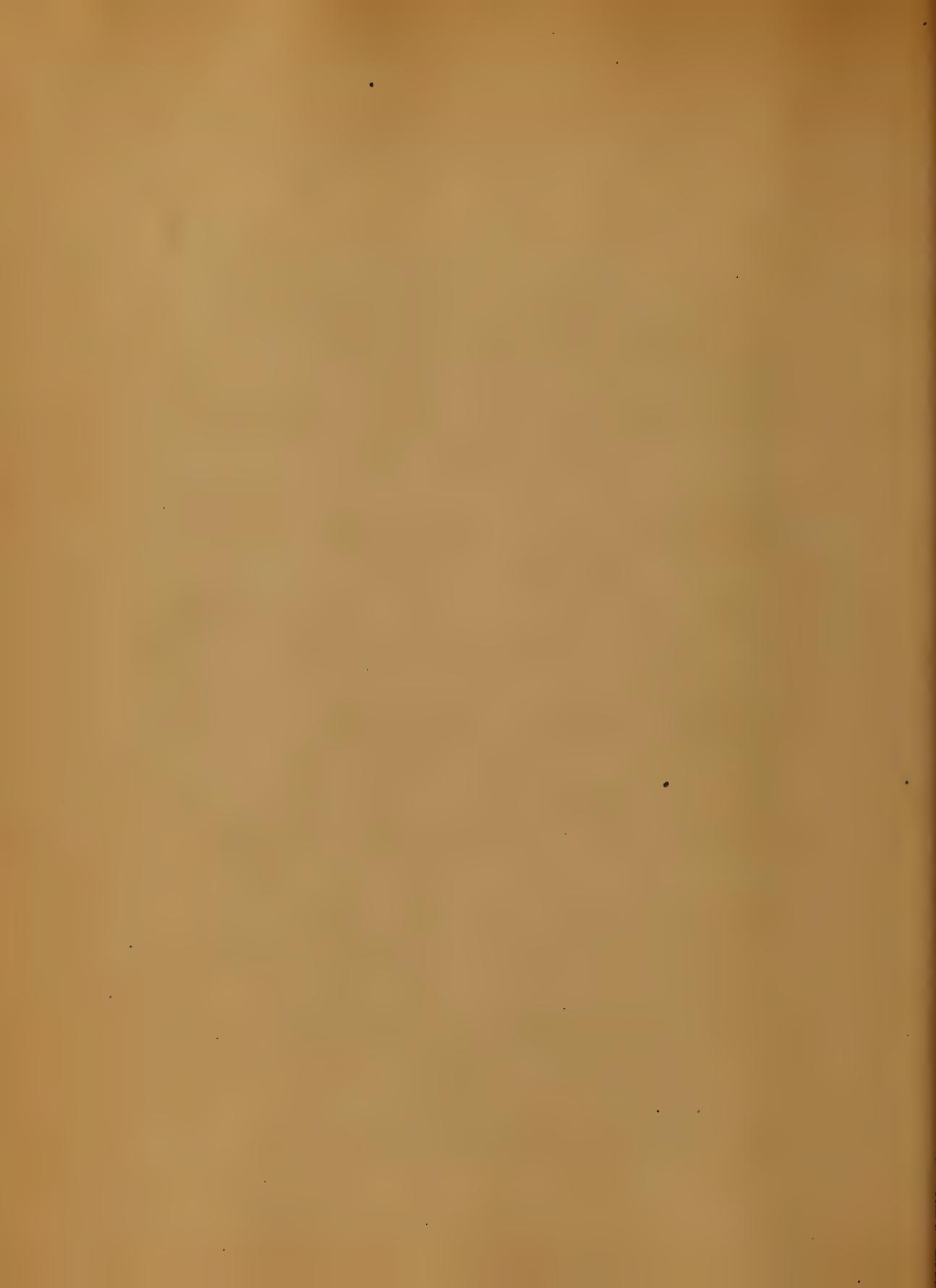
organs, especially to the distinction
in the spleen of the red blood
globules, and the conversion of
haematinic into pigment. Among
other sequelae which may have
their origin in malignant cachex-
ia, are nephritis, amyloid de-
generation of the liver, spleen
kidneys, and intestinal glands;
sclerosis of the liver, anæmia, dropsy,
tuberculosis, neuralgia, epilepsy,
hemiplegia, and mania.

Herbed County. - Melanæmia.
or pigmentary degeneration of the
blood corpuscles, with deposit of
pigment granules in the liver,
spleen, kidneys, brain, &c., is almost



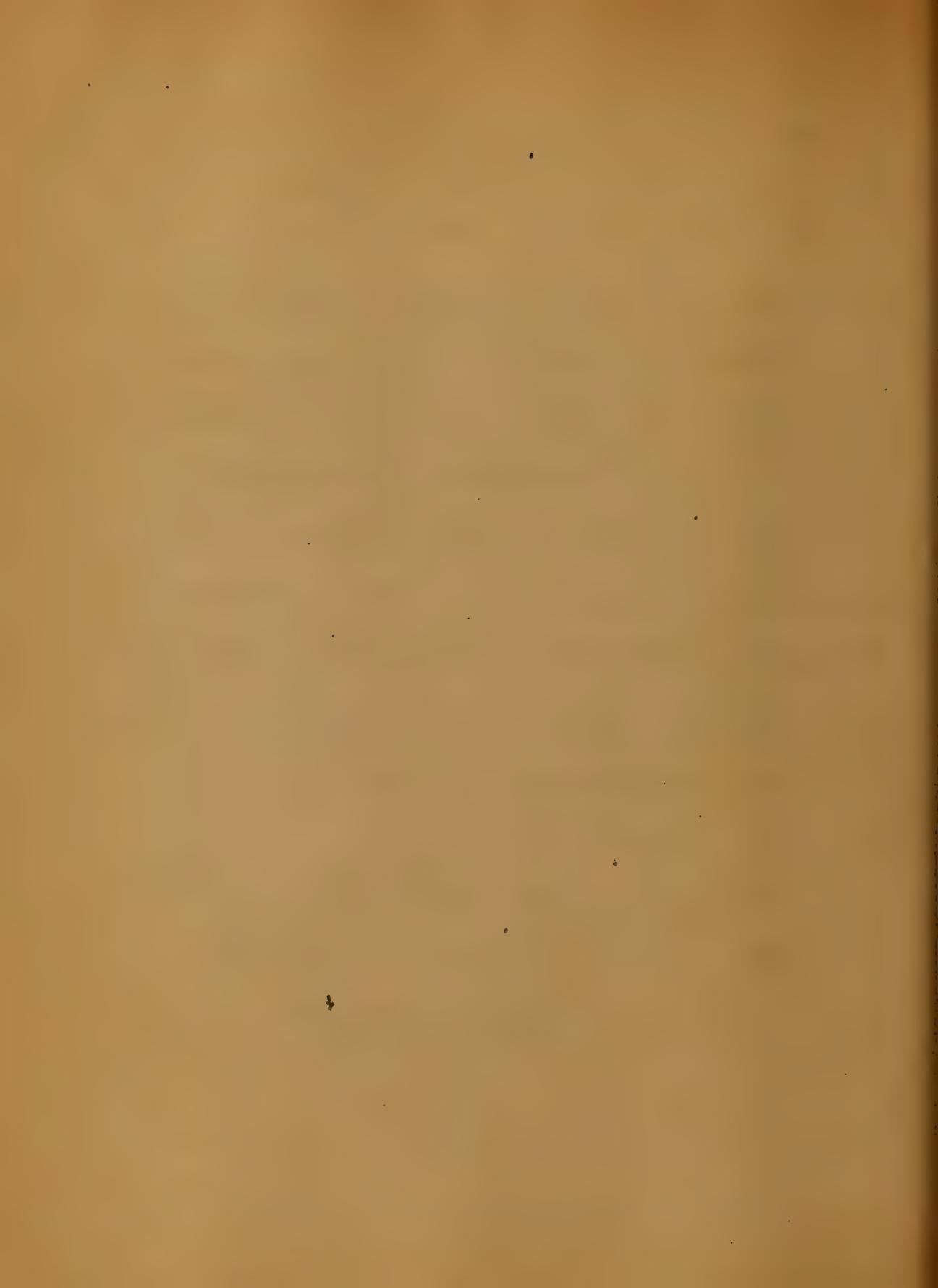
characteristic of the malignant disease. Enlargement and softening of the spleen and engorgement of the liver, with a bronzed appearance of it, are the only other peculiar changes in structure."

Diagnosis. - This fever can hardly be mistaken when you once have a correct account of the history of the case in question. One paroxysm is not sufficient to determine whether, or not it is intermittent fever, because very many cutaneous diseases begin with a paroxysm. But by repeated attacks at regular intervals, the physician is enabled to make a correct diagnosis.



It may be mistaken for typhus, in
which we have all three stages -
with an afebrile interval. It dif-
fers from typhus in its origin,
and course. Intermittent is due
to exposure to miasm; typhus to
wounds. Intermittent is regular;
typhus irregular in its course.
Intermittent is promptly cured
by anti-malaria, - typhus is a
fatal disease, over which quinine
has no influence.

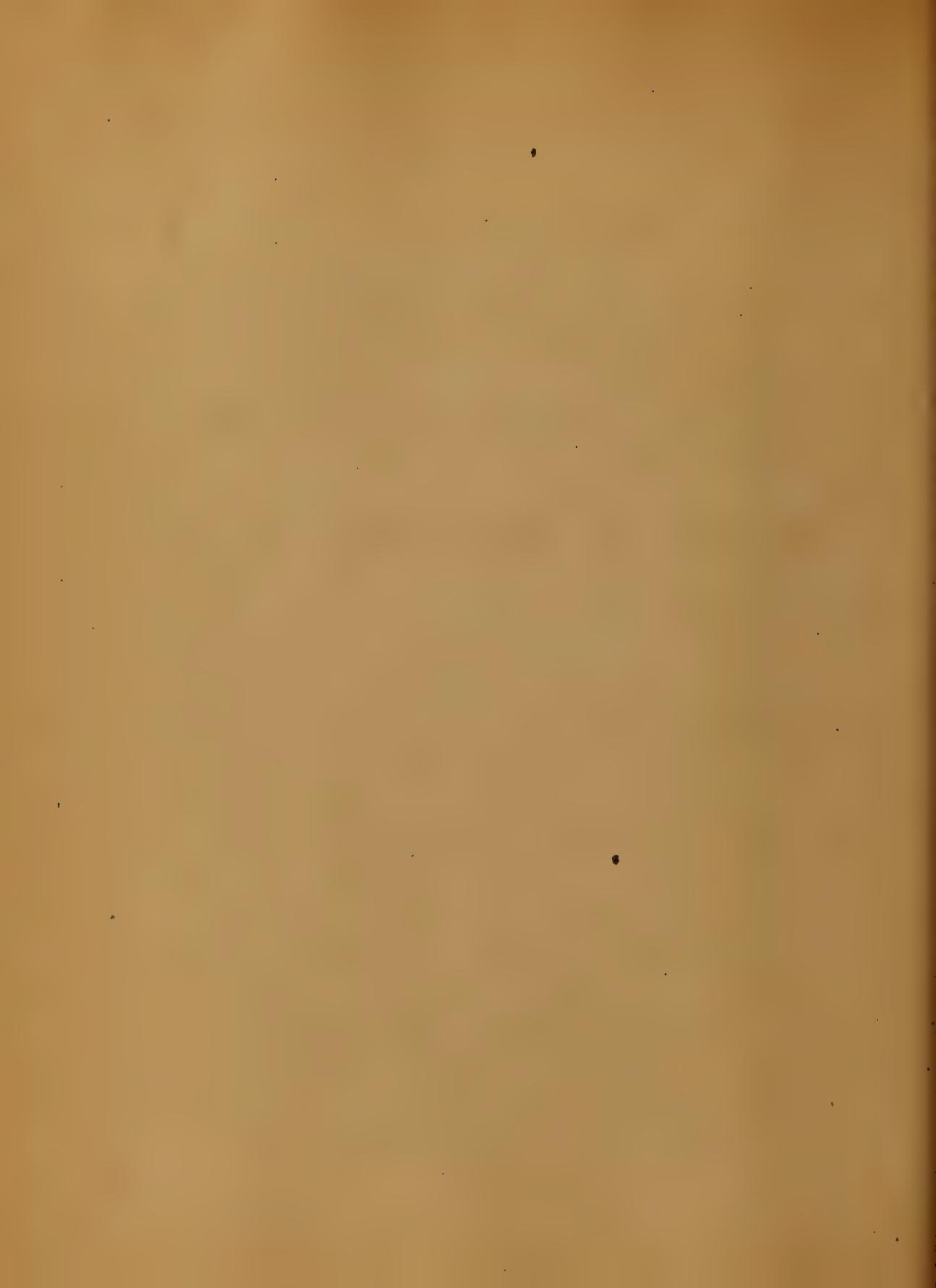
Prognosis. Single inter-
mittent if left alone, will get
well of itself. Since the discovery
of the properties of Peruvian bark,
it almost never happens that death



occurs from an ordinary attack of intermittent. It is a good sign for succeeding paroxysms to appear later in the day. Though the paroxysms are abated, they are liable to recur.

Treatment.—Preventive, abortive, and curative.

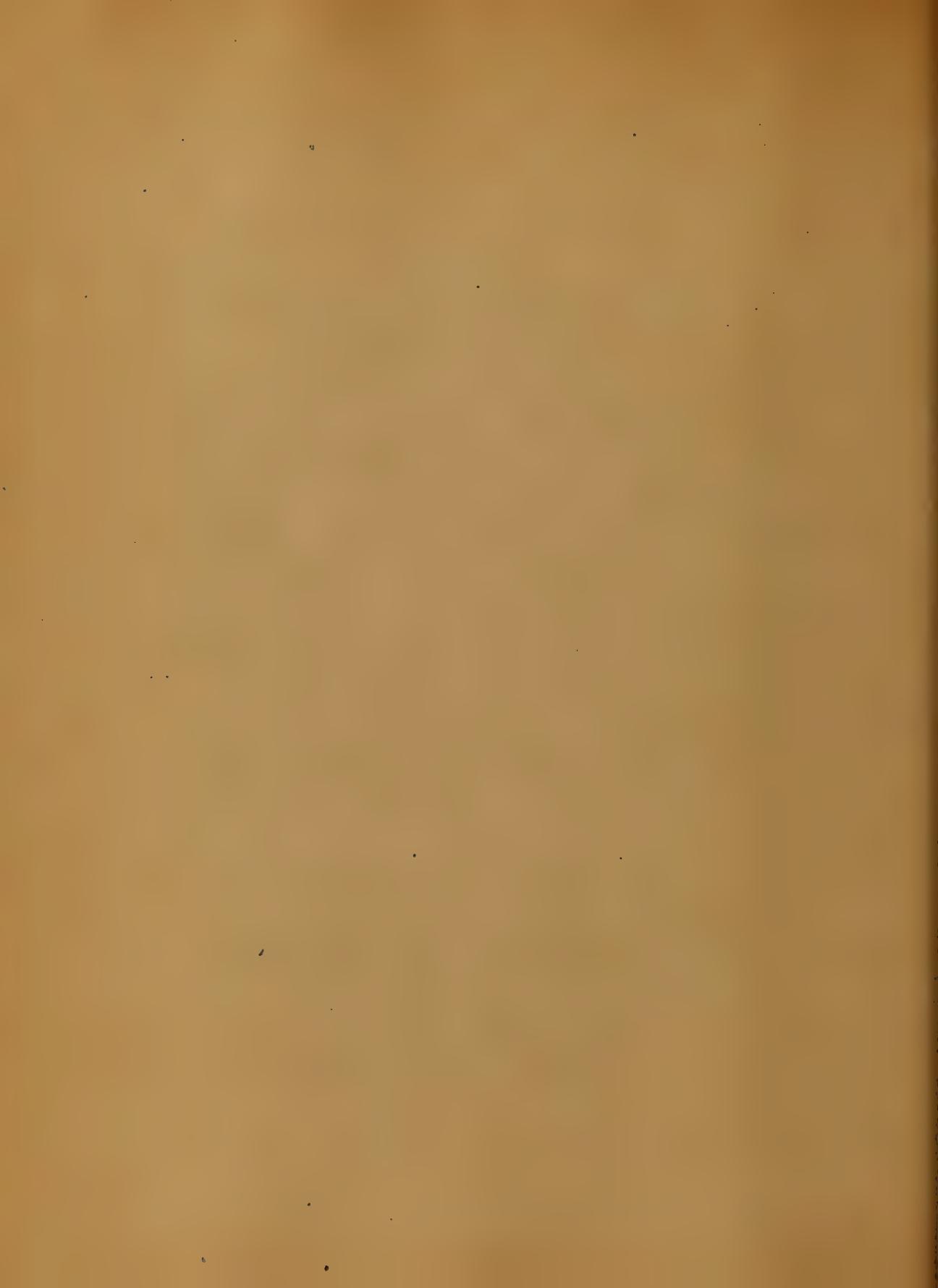
Persons living in malarious districts and those who are subjects of the infection should, before breaking fast, regularly take about five grains of one of the alkaloids of Cinchona bark. The patient should at the same time observe strict hygienic rules. The patient should guard against exposure to early



morning and, in hot air, as well
as against excesses of even, wind
Exposure to heat, fatigue, and rapid
alterations of temperature.

The chill may be abated, when
it is necessary, by hyssopine in-
jections of morphia, or by any
antiphlogistics; chloroform, admi-
nistered by inhalation, or a small amount
fluid in sweetened water, by the
stomach, will usually arrest the
chill.

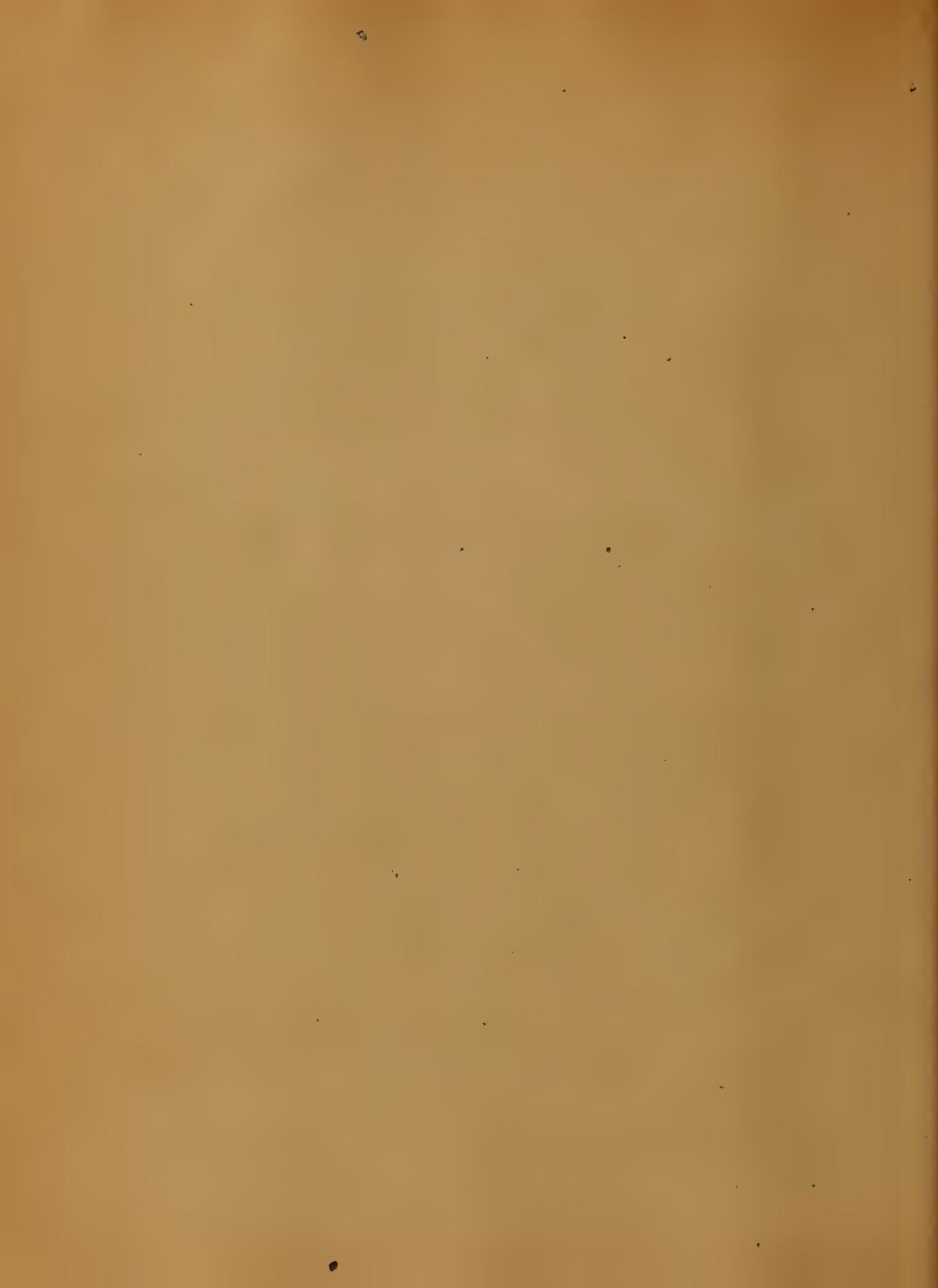
Treatment. - There is no one article
the whole catalogue of the materia-
medica is equal cinchona bark or
one of its essential constituents in
the cure of malaria. It can be



given at any stage will safely, unless it be during the height of the pyrexia. If the pulse be costive, give a blue, full-thick grained, before administering quinine.

During the chill the patient should be made as comfortable as possible by external warmth, and by hot drinks, if they are not too stimulating.

During the first stage of fever, and cold water draughts may be freely given to palliate. It is better not to begin administering camphor, ammonia, or bark until the sweating has fully begun.



Of all of the preparations of
cinchona bark, the most reliable
is the sulphate of quinine. It is
prescribed in variable quantities
from one to thirty grains and upward.
It is in my experience of more
benefit when given in from
three to five grain doses, every three
or four hours. The most beneficial
method of administering it is
in solution, on account of its
being more readily absorbed. It
may be given in coffee or water.
Quinine is also given in powder
and in tablet form.

It often meets with patients so
subject to tasting quinine, as can

give some of the other alkaloids of
the bark, as cinchona, curcuma, &c.
When cinchona is given it should
be in increased amounts.

All other remedies have a
considerable amount of influence
over malaria but none are so
marked and certain as the alkaloids
of Peruvian bark.

Among the secondary reme-
dies, we have opium which, if
given a short time before the
expected chill will often abort it.

Fowler's solution of arsenic (in
ten drop doses, three times a day)
will produce the desired result.

Tincture of dodonea, potassium bromide

Sulphate of copper, nitro acid &c, have also been used with more or less success.

We should endeavor to build up the general health with tonics and good food, and prevent the recurrence of future attacks by administering some remedy on the seventh, fourteenth, and twenty-first days.

The sequelae should be treated as they present themselves.

Session 1879, 80 + 81.

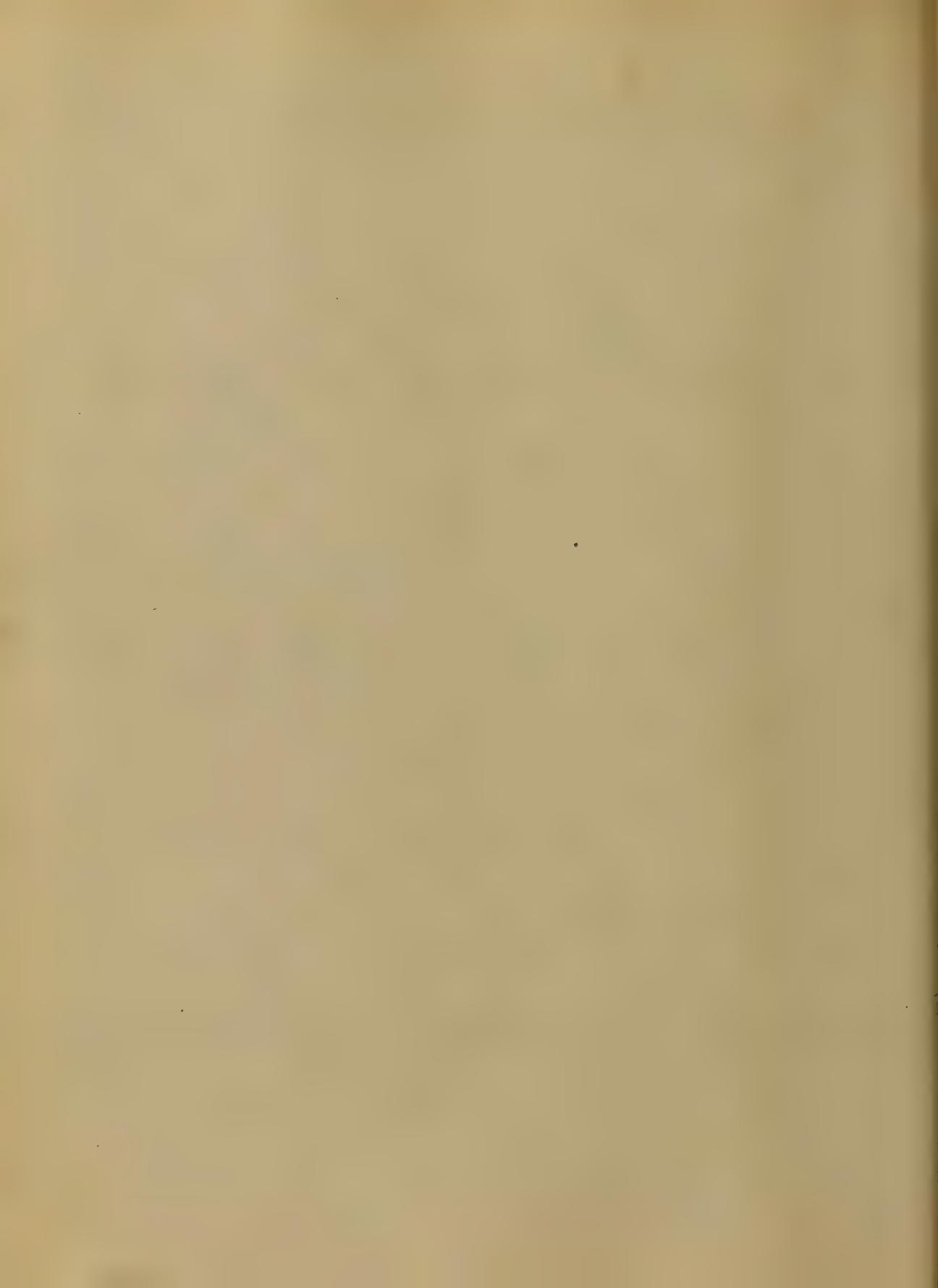
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Thesis On
The
Effect
of a therapeutic agent.
By
Edwin T. Pennington.

To
the faculty of the
University of New Haven

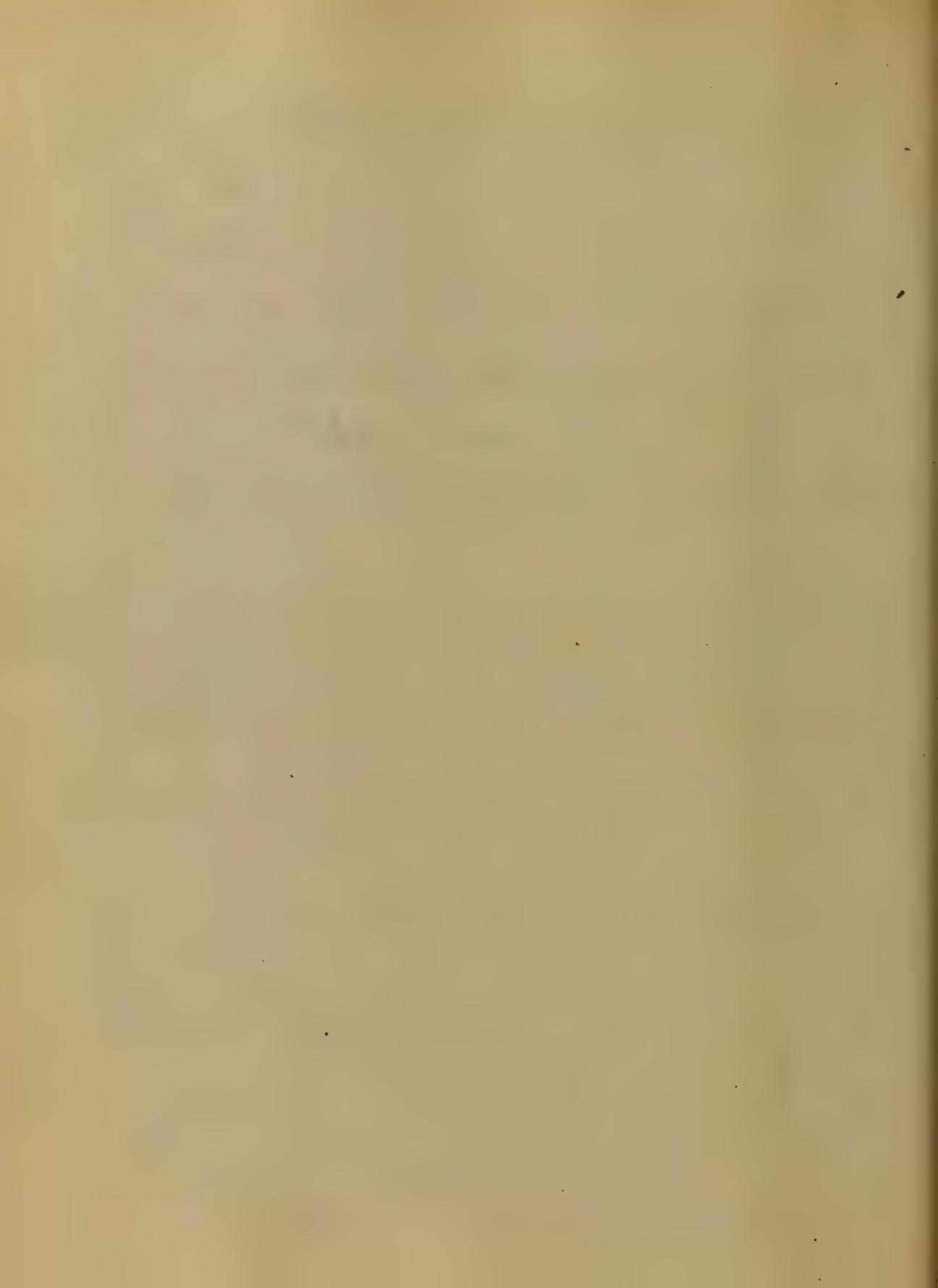
Issues 1877, 80 + 81.
" "



~~Prest as a theoretical agent~~

To Mr. Green, S. Peck & Morris
Prest, and the Faculty of the
University of Maryland, I submit
my thesis for examination on
Prest as a theoretical agent.

which implies cessation from action,
cannot be absolute, but is only
relative. Absolute rest or quietude
is inconsistent with the laws of
atoms rocks, and can never
be attained, unless the result of
universal action, decay and change.
We must have some affirmation
of the contrary, viz., action, in
order that we may attain to
a reasonable conception of the



importance of rest. And as we
discover, and other discoveries have
been made, that the ultimate
particles, not only of water, air
and light, out of the mudous,
and the most beautiful crystals
the eye can behold, are also
impassable in action; it can
also be readily understood, that
in organic life, there is bound
on its particles, whether vital
or physical, a process of action,
and as we largely comprehend
very little does it matter with
us look upon the beautiful
landscape with its green fields,
and beautiful waters, the ever-
changing trees, the covering of
evergreens, and the sandy glades.

3

objects of interest or collection;
or whether we gaze upon the
contours with their rocky crevices,
and ever changing rocks, under
which can be found, rods of red
and precious metals; every where
we far beyond the power of the
naked eye to discern, is the exist-
ence of mineral and metallic action.
Indeed, every now, while this mas-
terless motion is going on, how all
also the year and the going on,
and every hand smooth the recogn-
ized phenomena of physical and
vital force. All these agents, so
far as they relate to the structure
of man, can I suppose I know
in relation to their motion, such
as the heart, spirit and soul, &c.

in contact with my degraded
substance that exists in my system.
This brings me back in my mind
the subject of sin in its original
clandestine and most abominable character,
and looking at it, of the awful
punishment of it. The time
then had come when that man
had to die by the sword of his
brother, as a punishment for his
disobedience; and beside placed
him in the judgment of his
unspiritual knowledge to permit
more fatigue and chastisement to
be followed by his greatest victory
so far, the blessing of a stand
upright, by calm and peaceful steps
and again when he looked to
lost effects during his faint

~~and a strict diet for those persons
which had a degeneration,
to recruit the strength of the body,
and to restore the lost vigor,
and enable him to resume his
daily labors with renewed strength.
Every function of the body, either
physiological, physical or intellectual,
is not only the source of all organic
structure, but the means also by
which every function is enabled
to find expression. Here are some
thoughts and suggestions in
connection with this question of life,
essential to a full apprecia-
tion of us, not only in health,
but especially in disease. As yet I
in the ocean, the polyglotism of
animal organic life, is a prof~~

Matter in its essentiality.
Are the ultimate particles of carbon, oxygen, hydrogen and nitrogen partially organized and partially free, or constantly in motion, awaiting the approach of a catalyst, to awaken the principles of life, and give to their action a specific form of action.
The first process in life then is the generation of cell or primary cell, which in itself soon becomes divided, or as we call it, segmental and is further capable of division and subdivision, until finally the primary cell has subdivided into hundreds, or even say thousands of cells, or every organ and tissue in the body. Consider the case

joined together, others of them
have buds; that is to say, the
brain will produce brain cells, the
liver will produce liver cells, the
lung will produce lung cells, &c.
By this process of all life, assisted
and fed by the protoplasm of
animal organization, we have the
source of it won't cover and let.
The production of all life is still
a condition of health and sleep
and more, in the process of all
life and activity, there is necessarily
also a process of all death. So
we see with the production of all
life, there is also a corresponding
cell loss. Take, for instance, child
hood, or during the period of the
growth and development of the
body, all life is one physical

that physiological, and health,
their rapid growth, it no wise
the engagement of all the organs
and their social growth. The
child is naturally active and
energetic; a thousand agents are
constantly at hand to awaken
its interest and admiration, and
call forth its activity. But it
just as naturally and distantly
seeks its rest, as it is impulsively
active. A constant visitation
system is that of social life, which
under the high pressure of either
the workshops or the school, con-
demands of our boys and girls
the attainments of mature years.
That is, to count the gains in
evidenced with statistics, and so

1

Six to ten hours sleeping in the
school-room and study, is un-
advisable, for it weakens the
will-power, and destroys both body
and mind, and then if you
want to work for a well developed
brain or muscle, without rest and
repose, you simply to work fruit
from a lifeless tree. In other
words, the exhaustion of all life or all
force, is productive both of
decay. With the transition of
life from youth to mature age,
and in all the processes in
older years, the question of the
life or vitality and activity
is always. Each cell is the ad-
mission for the growth of
israel, and in it lies, as the

action of activity - I consider
the abolition of death. In
this auto-physiological process,
before all action, in the
process of their life, & in their
death lies the ground for the
activity and the exertion of my
organ and tissue in the body.
The essential point, the element
of the body in their natural
conditions therefore is that of
unconscious action. So this action,
as I have already stated in the
beginning of my thesis, is one
the condition of all life, and
the infinitude of all conduct
upon this all form, although
only at the expenditure of all
structure. I make also a physical

physically connected with con-
tions and actions. This is the cause
of all the value, the movement,
of the muscles of the body, and
most evidently of all the in-
timacy actions of the so-called
muscles of the heart, as in respi-
rations, inspiration and exhalation.
This general aspect of the impor-
tance of rest, he shall illustrate
for this ego is, we know, a
body, we know the actual cir-
cumstances of health etc
importance of rest; but is it
a matter of surprise, if the war
and wear, incident to the actual
functions of life are not compen-
sated for by judicious rest,
that disease, suffering and disease

inevitable? Suppose to strategy
and knowledge on the best manner
of treating a given lesion,
now so important in this school,
constitutes after all a practical
part of the objective indications,
essential to the proper apprehension
of the case. In one case we
may be the ultimate result in disease
in which in another it will be
high and in yet another low
and third again in the case
of distinction; and in another
the other's variety, when its
ability will supersede, and the
body will be annihilated.
This is too general you say,
but I am so tired of the
old adage and ought to

of pathological condition.
Every organ in the body performs
its function through the activity
of its cells. Hence for a soul patient
it is healthy and in disease, is
generated through the agency of
more cells. The mind acting through
the brain is indebted to its cells
for every thought and motion.
And when the energies of the
activities which control the
most expensive office are
intensified by the incalculable
waste, connected with all forms
of inflammatory, and especially
syphilitic diseases, unless they can
be compensated for by suitable col-
lusion, and the most important
at the vigour of life, must

be seriously impaired. On this principle of causality tell and cetera, whether physical or intellectual, are incompatible with health. And when disease invades the body, can never be compensated for by any system of therapeutics, which has not for its underlying principle, as first and last, and infinitely more important than immediate and continued rest. And according to you, the which is the quality of pain? I say, that so intimate is the association between rest and health, as to make them appear as a superficial view to stand to each other in the relation of cause and effect, and growth.

as a ~~you~~ seems to proceed pari-passu with physiological ab-
An illustration may be made from the child, it is said and is a fact, that in regard to the child who sleeps much, mostly thives. And on the other hand observations are equally true, that the wakeful, restless child, seldom displays the evidence of so active a vivification as does the child on the other hand. Certainly, all will admit, that in regard development is in its highest state of activity, and the reverse are, that the healthful infant passes the greater portion of its life in a state of rest and repose, and on a range

Doctorists treat all plants or vegetables require rest. But how do they get rest which is so requisite for all? In most countries by the rigors of winter, in others by the scorching heat of summer. Why do cultivate so often fail in attempts to grow certain plants? Because they do not pay proper attention to this essential point. Plants in hot countries, for instance, have their rest in the dry season, as for example, the date - the city of the country of Egypt which abounds in the canals of Alexandria, which at certain seasons occurs dry, the date which quickly becomes almost dead.

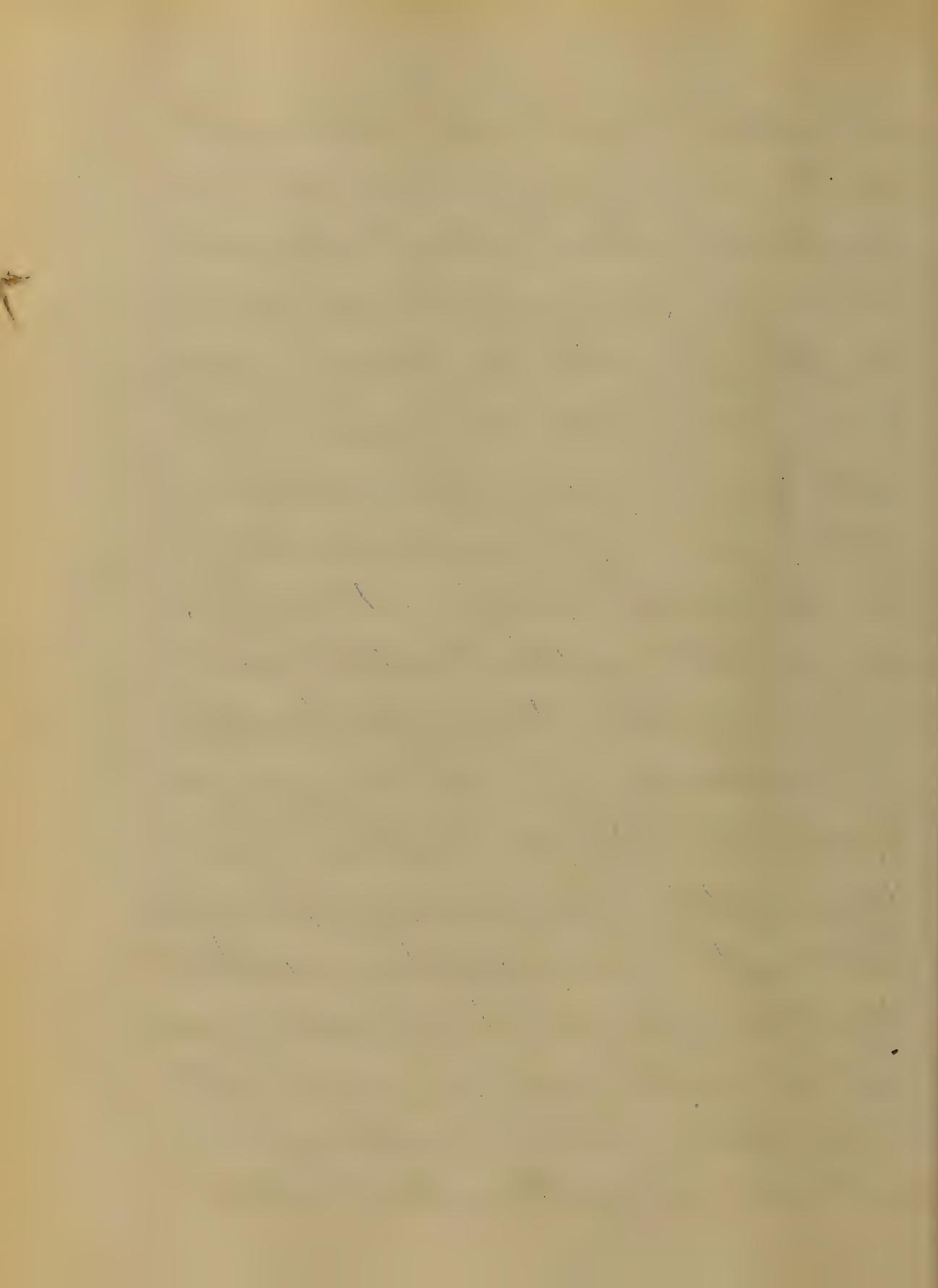
as kick, and are then used
as roads. But when the value
is again admitted, the plants
assume their growth with unab-
led vigor. According to this we
see that most plants (or all other
things should have in case, especially
in disease) save their parts of
growth and rest. So is also the
case with the human being.
In childhood or infancy, when
we have the most rest and repose,
that is the time when we have
the most growth and development.
Why should we not then also in
disease, give rest to favor the
process of repair to the parts
which have undergone deterioration
from health? We all know how

~~regarding rest it sought for by the lower classes of animals, especially in periods of suffering from injuries or disease; now they endeavor to escape from the piping vicinity of man, in order that the injury may be the more speedily repaired. What is here unbalanced to indicate, is that growth has an exact relation to physiological rest, both local and general. Although it is, I think, impossible to explain what are the relations which are associated with aging and growth. These various renewals of life and strength, resulting from rest and rest, practically, the measure of the result, is found only in the minimum of time taken. This~~

not exceed the great bulk of
goutie. It is stated in the books
(a disease of children especially) that
ten per cent of the children who
die in the first month after
birth, that is a period for I
contemplate, and am well calculated
to alarm parents. Thus the question
may arise, Why is the mortality
so great among infants? - So
nearly believe, that may tend
to agree with me, that is because
their food is not adapted (or even
so very families, especially among
the poor) for their frame and
digestion. The flattish and
too raw an infant, with its
stomach overburdened with indigestible
feed, flesh, as does the ignorant

proper food. Certainly most of the
food should be digestible, and the
proper amount of secretion take
place in infancy or in after life,
which favor the more readily digestion.
With the removal of some parts,
and the non-development of
others seems this to claim rest
as its compensation. Rest is the
necessary antecedent to the healthy
accomplishment of both gain
and growth. The same thoughts
and the same hindred conditions
are necessary to the same results.
This study is the natural sug-
gestion of a means toward an
end which should now be best
sight of by the physician and
surgeon. For example, children

what we will do when their just
wash my body, and so in
proportion than those we are
advanced in age; but as soon
as the wind condition subsides
and rest assorts its force, the
wear of a few weeks ordinary
activity, generally accompanied by
an increased tendency to sleep.
In a well authenticated case
which I had the opportunity
of witnessing (with my friend
John Glodell M.D.) in which
the mother was nursing her child
but with so marked involution
that it led us to the examination
of her milk. As we were well
aware that nothing could exist in
that case to produce that state



~~of excretion.~~ A child created
to us the great amount of
concretion secreted, which was
the sole cause of its distress,
and the following excretion.
But after taking the said
the breast as its mother, and resor-
ting to the proper means of art-
ificial feeding. The child very
soon began to improve in strength
and weight. Not that a child in
artificial feeding, would not want
to it water or if circumstances
unless absolutely necessary.
But before the cause was ascertained
the child was evidently
weak and listless, sleeping very
little, which induced a large
excretion, so rousing the child

at all the age of death.
But how marked, almost im-
mediate on the removal of the
cause, by giving rest to the
feeble organs and consequent co-
stitutional rest to the general
system, did the child increase
in weight and general appearance.
The interruption or rest in a
local or constitutional disease
occurring to persons in the middle
period of life, does not cause the
same degree of exhaustion and
wasting, as it does in an old or
child, they bear the loss less
easily, because their constitution
has not to make up again
and development, but that of
repair only, due to their very

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is slower, because they have to bear both repair and development. Their subsequent sleep is not so profound nor so prolonged, nor their rest so complete. Similar cases might be cited, as in an overworked member of any profession, in which there is great mental worry or labor, and in those who are engaged in important calculations, engaged in financial transactions on a large scale. What should be the treatment for such cases? Should they be allowed to continue business? I should say no; their restoration to health should be made complete by mental leisure, by discontinuing their occupation, i.e. taking a long

of exercise, giving rest to the
brain to repair the impaired
mental disturbance. In such cases
he is in fact calling in to activity
the latent or suspended function
of the cerebral waters, leaving the
higher, the intellectual portion of
the brain, work out its own recovery
from overfatigue or exhaustion by
rest and repose. After a time he
returns completely invigorated, im-
proved in general appearance, active
and full of mental vigor.
In connection with the last illus-
trative example, the result of repair
due to rest, I might cite another
well authenticated case of the kind.
Mr. John E., age about 23, served
as bookkeeper in a store. Had a

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robust and healthy looking man,
of a well disposed disposition,
previous to his attack of illness.
But beside (to make the case still
worse) he studied, or was preparing
for college to become a minister.
Before or previous to the suspension
of business, he experienced slight
attacks of mental derangement,
sometimes so much as to attract
the attention of his friends,
but never paid any attention to
it as to treatment or respite
from business in which he was
engaged; But continued business
and studies until at last (unable
to support the equilibrium of his
brain) his mind became so dera-
nged, that we had to suspect

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business and studies & truly, and required constant watch and care. He was taken home, away from his books, put among good society, given rest, and as good care and hygiene as could possibly be rendered under any such circumstances. After a time he returned completely invigorated, improved in general appearance, active and full of mental vigor. The conditions of such cases affected the applicability of these works by their mental and physical exhaustion, by their depression of spirits, and by their want of self-confidence. Yet in such cases the restoration to health has been made complete by giving

rest to the intellectual faculties,
exercise in the open air, and
 abstaining from the real distur-
 bing cause, their business. On
 this principal of repose, therefore,
 depends largely the integrity of
 every function of the body, whether
 physical or mental. All kinds
 of tissues, and organs of the body
 require the alternate condition
 of activity and rest, to keep them
 vigorous and in good health.
 This condition is not confined or
 obtained to structural organs,
 and delineations of functions
 are sure to follow. In reference to
 the etiology of the diseases of
 individual organs, it may be asserted
 that a large proportion of them

disease's originate in circumstances
which deprived the organs of rest
rest which nature was rendered
necessary for the performance of
its healthy function. It is subject
of rest at first sight may appear
to have but a small application
in practice, especially when looked
at through the biased vision of
those who think that in the
treatment of disease or accident
everything is to be treated by
medical or surgical aids; but I
feel convinced that under the
most favorable circumstances
all that we can do to accomplish
is to give rest to the parts, and
enable nature through our own
efforts steadily to play her part.

whilst we, as nature willing, servants, act in the hope that by the use of appropriate medicinal applications, aided, if necessary, by soothing medicines, and by the use of proper adapted diet, we may facilitate his efforts to repair the injury we may have sustained. In fact nearly all our best operations are done for the purpose of making it possible to keep the structure at rest, or forcing nature from the disturbing cause, which, not exhausting her powers, or cutting her spirits though, it pain-maniating. We might say the operation does not cure it, by makes recovery possible.

without the aid of the hand
or head of the surgeon, nature
would have caused the competition
with the results of the injury,
or succumbed to the existing
influence of disease. & first
do not we, if I say that a man
as well by art, nature herself
actually cured the disease, simply
by immediate and continued rest.
as for example, that well authenticated
case of amputation of the entire right
arm, nearly 1st of A.D. One M^r. S.
and presented to us students (Sauvage
Lefèvre and others) in its various stages of
cur. as simply, as I have stated
before, giving preference to the part
or in other words rest, however other

such cases) might be used in which
we have to resort to rest for the
underlying principle for this rest,
as for example if a portion of
bone be passed in upon the brain
we have only to move the brain,
and the brain will repair itself.
through the underlying principle.
It is not the operation that causes
the injury, but by removing the
disturbing cause, we make it pos-
sible for nature to cure the injury.
I might allude also to the operation
of lithotomy, the stone is not the
disease, although it is the cause of
the symptoms which accompany
stone in the bladder. The patient
does not complain of stone, but of
the pain and constant irritation.

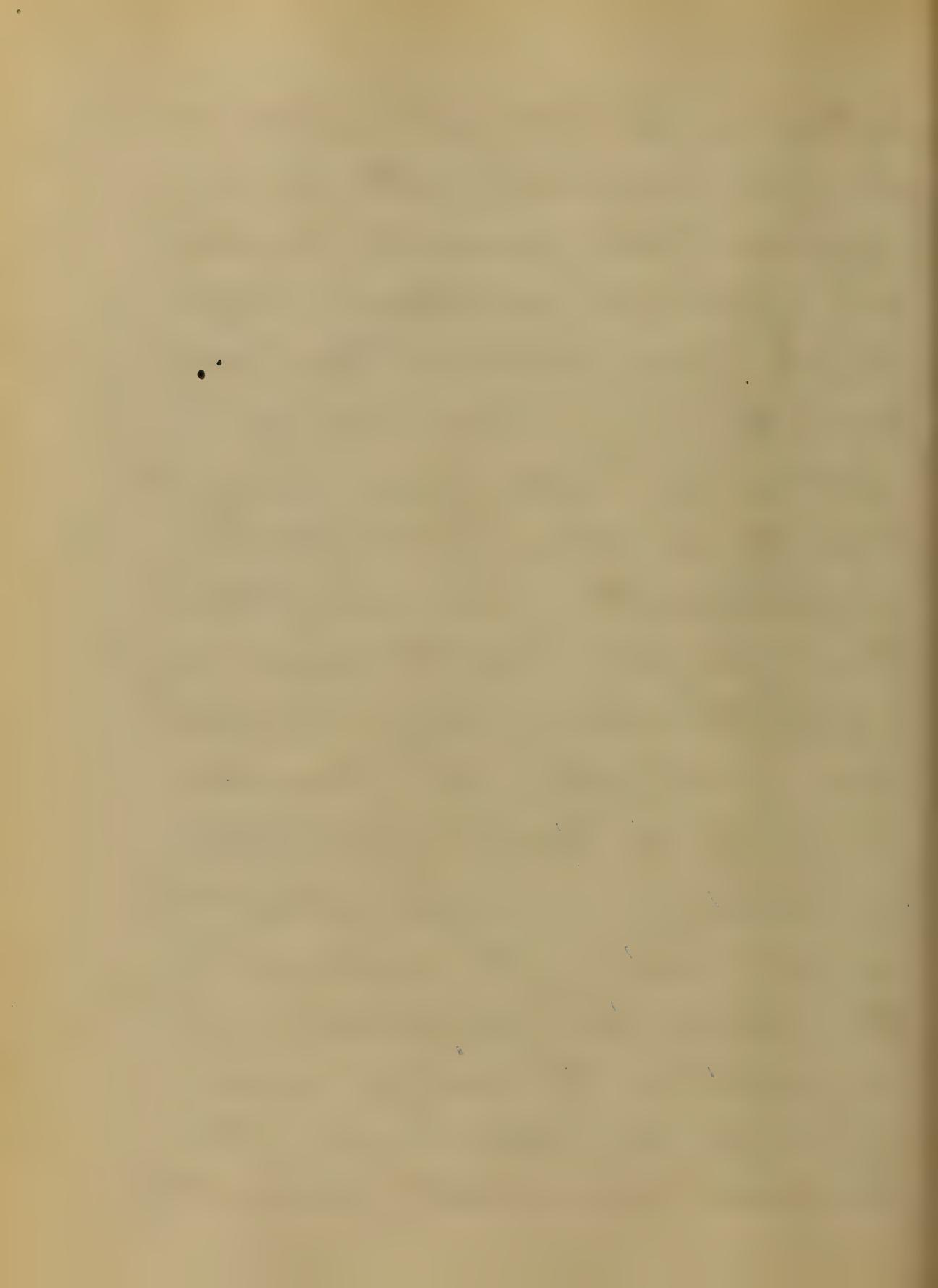
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which the calculi induces within
the bladder. But these symptoms
might be symptoms of some other
diseases, so surgeon can't positively
tell whether it is stone or not
until he has made a physical
examination. Then if the physical
signs are over made out, and the
diagnosis established, treatment
would be simply, to remove the
foreign body making it possible for
nature to bring about recovery rest.
Stone then is a foreign body requir-
ing operation for its removal, because
it induces a derangement of the
structures, producing painful excretion,
and by running the case, the
parts may get though the
instead of the organs. But the op-

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through the medium of rest.
I have here intended to show
that rest is a most valuable and
important therapeutic agent in
the cure of various diseases,
especially surgical in nature. To
illustrate the varied applications
of this principal rest, I first
surveyed, as fully as I can, the
various contraries which
nature has employed for giving
rest to the different organs of
the body, when in disease. Then
the monitor, and rest the soul,
are starting-points for contemplation
which should ever be
present to the mind of the
physician in reference to his treatment.
During all severe illness, when the

patient is tormented with pain or
fever, he occasionally after having
enjoyed a due amount of bodily
rest, experiences sensations - not so
remote from pleasure. His very
prostration may have a share
about it. Rest and repose in general
such times the highest object
of his ambition, when he obtains
them he feels a contentment only
allied to actual enjoyment, but
however, delightful. The transition
from life to death, it has been
a period of moment and did
almost exceed the suffering of
the illness itself at parallel.
Is found in the case of poor
William W. for instance. In the
bed side - accidentally perverted



from circulating freely in one of
our limbs, as it did, even if un-
perceived, but when the vital fluid
again reflows, great discomfort
and pricking sensations succeed.
So in severe illness, there may be
periods of pseudo-pleasure, while
the restoration to health may be
intense in the extreme. Consider
during convalescence how a sense
of contention, I term struggle
and weakness, each of which struggle
hard for the mastery.

~~Rest for hand for two weeks,~~
For fingers, fist and hand;
~~rest exposed, a heavy weight,~~
From labor and from pain.

Rest and peace by no means lost,
For fingers have been sore,
Tis soft paper bandaged hand,
That man should not take.
E.P.R.

having many opportunities for observing the actions and effects of the bands particularly that of the bear population and all the animals being much interested in the life of the bear, I have naturally chosen it for the subject of my thesis.

Brand of Plessis.

Plessis is the name of
the salt we have now
under consideration, and
first described at the
beginning of the year
6000 by the
conspicuous feature
of a powerful galvanic
current this metal appear-
ing at the greater depth
the copper will be pro-
duced. This was
carried by Baland in 1828;
it is not obtained in
large quantity from the
lithium of salt works.

deposited on the bottom
of the magnet, are found
in clusters, the bottom is
soft fine sand or taken
up by other, by the action of
the waves it is scattered to
each end of the beach
and brought off the beach
as we find, when
when compared with
dry sand, the salt water
decomposed by sulphur
is used in the process
of the salt water of
growing the plants. On
little dry sand we can
easily gather a lot.

The Middlebury valley
divides the two main branches
of the Connecticut
and the Green mountains.
The former extends from
the southward through the
valley of the Connecticut,
the base being of granite,
and the middle portion
consists of various folded
strata, and the upper portion
with which it connects
is particularly the
upper part of the Chelone hills,
and then connects with
the eastern margin of
the mountain system.

The carbonated water,
which is free of carbon,
while the saturated
water and the carbon
existing therein in the
solution will consist
of carbonates.

In the second method
magnesia of calcium
carbonate added slowly
to the liquid, barium,
barium and barium
of Plaster are formed
and the carbonate is
converted into magnesia
by heat in the presence
of carbon to be absorbed

is compelled to give up
the voyage.

Lately however, when
a ball can often be thrown
of making no sullubish
burning glass without
possessing any advantage
over the ordinary
ones, Amorphous phos-
phorus is added, to a
proper quantity, of which
water, however, is good
all added and intimately
mixed with the other
phosphorus, the glass will
then burn at a red heat
and is屏ed off from

After an undisturbed period
of hours, and reacted by
it with ferric sulphate
the insoluble
barium sulphate
then filtered off and
the filtrate now con-
tains nothing but the
ferric fumate, which
when treated with ferro-
cious sulphate yields
insoluble ferric sul-
phate and pure ferro-
cious bromide.

The salt obtained is
not only dry as shown
but also free from water.

but in reaction.

It crystallizes in the form of granular yellow prisms and cubes, much like those of common salt, but will be a lot less malleable & brittle than in hot, than in cold water. The crystals grow directly from a bath of cold water doubtless the compound is the same quantity of calcium chlorite & potassium sulphate & also a few milligrams of iron hydroxide, that of the so called ochreide and is lemanic

persons rather agreeable
than otherwise.

The first step in
this regard is the
cattle article, in which
the writer of this paper
and the chloride of sodium
are both of a body, and
easily to be added to
the usual box of
indigo and chlorine,
namely, by interchanging
paper for indigo and
the box with one for
chlorine; or a proportionate
part of the salt by the
cattle, if well powdered.

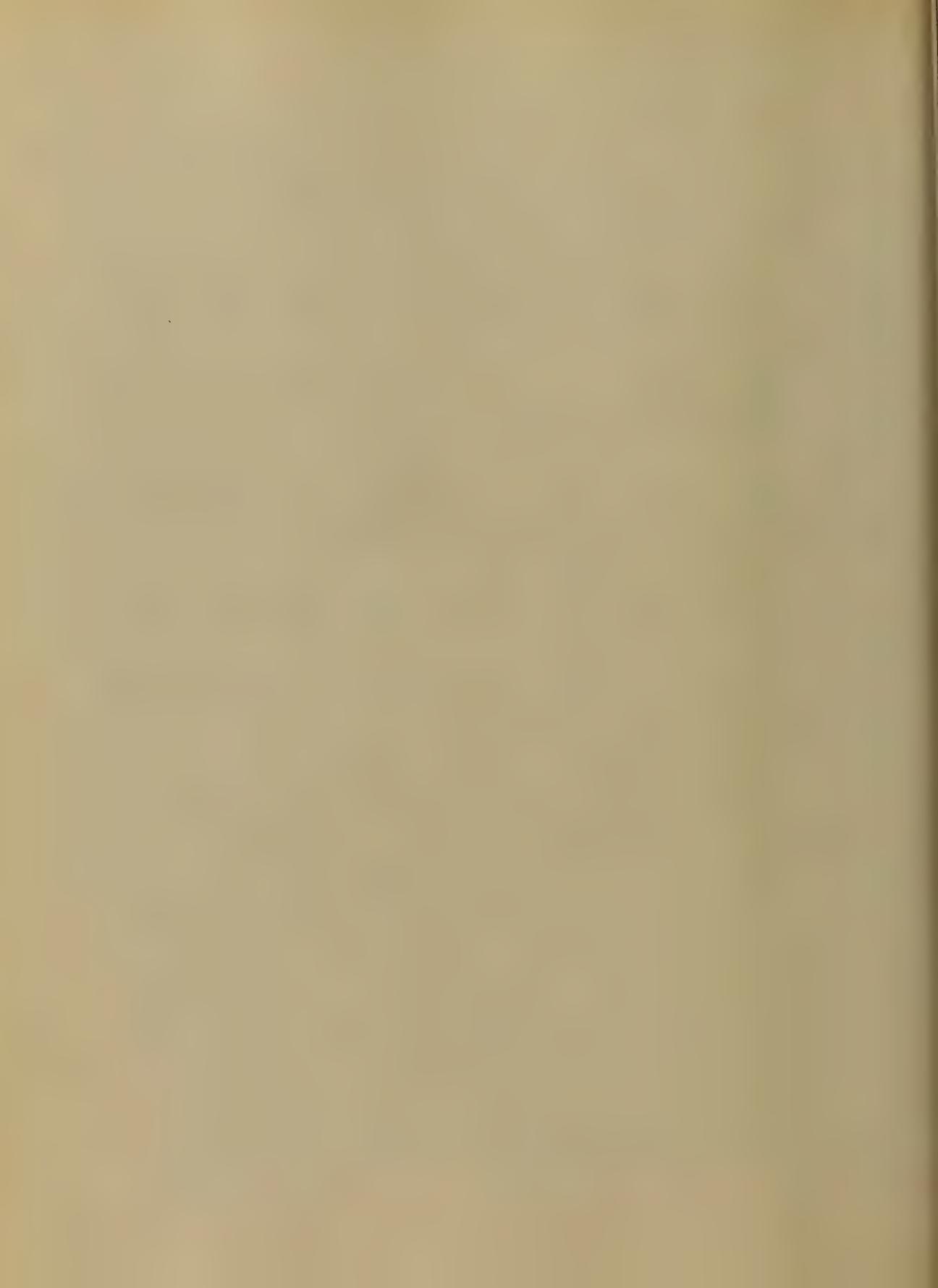
it will dissolve in ammonia water, if a bromide it will not, and in
of an allotropic form may
also be detected by the
chemical of palladium
which precipitates iodide
in the form of iodide of
palladium, while the
bromide of palladium
remains in solution.

Bromide of palladi-
um is an allotropic,
though not equal to
this iodide in this re-
spect, the value of the
value depending chief-

by the steep declivity of the
face of the mountain, and
then the rapidity of the fall
is apparently greater than
will even out the loss
of time from the few
days it took to get off
and be accompanied by
the other members of the
company who had
but which so often as
one passes typicid fire,
shudders off right and
leaving a decided mark
west of him to the south
standing like a wall
in my direction. The sun

also a remarkable leader
in his country, and often
there go down to him the
best dogs in the dogs we
see daily and suffice it to
say that one greatly outclasses
so that he probably could
even be run with out
being beaten and still
was very slow.

The effects of wood
officinalis are very
useful in patients in their
fifth or sixth decade.
I have seen with great
real satisfaction from
the practical effects



that bounded provinces,
including Central Asia,
Turkistan, Afghanistan, So-
gdia and our own Provin-
ce of Kivovia's Diseases all
agree that they have an
enormous produce un-
perceived had off - 6.
Though they have often
reduced following the inci-
sion by it in the country
~~Hamlet~~ in the walls
in their opinion believe
that there are many Western
expeditions for the military
and fine by the same
order. In taking up of

The investigations are
frequently made on the
diminution of the weight,
or movements of the frames,
according to the strength.
This action is not always
easy due to a sympathetic
action on the nervous
system, but usually the
diminution of the
weight of the balance indicates
one of the signs of
tropism caused by the
long action of the action
of the salt, but when
properly diluted it

sudden power of action
by many of its patients
in the practice, where circulatory often
stomach is very hot
confusion of the brain
patients with headache
taking place frequently
continuously. The action
of the heart is slow and
and arterial tension
increased by the heat and
and the circulation is
slower and lighter, and
in the head a more
often. It follows at the
end of three weeks.

Even so it frequently
happened as we were doing
so well, the Master suddenly said
he had been so bad
we must go back now.
If at the same time he will
say it does occur.

Then all goes well
until change by sudden
uncontrollable effects
is brought about, in which case
a considerable amount
in the stock is generally
lost. It often hap-
pens for example to
reject fruit from
special population and

was undertaken.

When being administered
provides evidence of
peculiar taste which
leaves behind it
been given, patients
are affected very dif-
finitely by it, inasmuch
as nearly all who take
it suffer from a slight
or rather than a large amount
acne over the face and
shoulders, in addition to
anorexia, headache,
cerebral suffusion, a slight
numbness, than a certain
loss of the power of the
other organs.

ding general depression,
all of which pass off
in a few days if the
vall be discontinued
and tonics used.

Combination of the above
rule off, diet with phys-
ical exercise & rest
is found to be most effect-
ive a great example
of this may be seen in the
case of a man who was
subjected to a severe attack
of rheumatism, he had
been lying in bed for a
number of days unable to
move except by means of

At present it looks
as if all the Pintado
line's work had been
spelled for ever.

Smith in his history
of children narrates a case
in which half a dram
was given by mistake
to a child of eighteen
months, offering from
experience the very
effect here. He thought
certainly of those few
years. Moreover the
formula does not seem
to have any effect on
the faculty alone.

large doses have been
given to epileptics in no
men during the last 15
years, the children
being born apparently
perfectly healthy.
Has not the most you can
show Mr. Webster's of
either house of represen-
tatives.

Elimination takes place
slowly through the
bowels or walls of
the stomach, pancreas
and intestines, and even
through the skin, but
chiefly by breathing.

from the species of which a large proportion may be recovered since its discovery, bounded of course by those and in a great number of diseases, chiefly those of the muscular and nervous systems upon which its action or lack of it is best manifested. The epileptic convulsions are the most numerous of the profusion they have a great variety of different all the methods of treatment that

with the first author, in
furthering it they remain-
ed limitations. It would
appear as a general rule
that it is only in the
more recent cases of his
final adoption of the
theoretical basis that has
been fully explained,
and the application of op-
erative measures which
which approach in char-
acter more nearly to the
hypothetical, or those without
any trace of practical
experience of the kind
involved in the

One cannot always tell
that a cure can be ex-
pected from the medi-
cine, it is calculated in
some cases probably
with more or less organ-
icism of the brain. Though
it may be a adequate
to cure yet it often re-
ceives almost haphly
of it over the doctor
in diminishing the num-
ber of the convulsions
and by this way im-
proving the condition
of the patient, but the
united will not find

and the question of the
irregularities of the foundations
of the Fair Hall may
always accompany the
topic. It is a curious
fact that attacks of epilepsy
are often apparently and sus-
piciously well and generally
without much benefit
and as those of Henry
their grandfather.
Cases of epilepsy due
to some physical trouble
are perhaps the
more curable than any
other form we have to
deal with.

I, & others are by some
supposed to have a great
effect upon the in-
mates than I do.
The other part both of
the physical & mental
and of the surface, when
under publication, in
connection with the
chemical species and
the methods of their
preparation, is said,
it is a great discredit
to the country. — 50
It often takes time & trouble
Many of us were under
disturbances, as flesh

wings of the fowls, round
about the middle of the
heart, on stiff white thread
wings, in the left nostril
are quickly followed by
the bivalves.

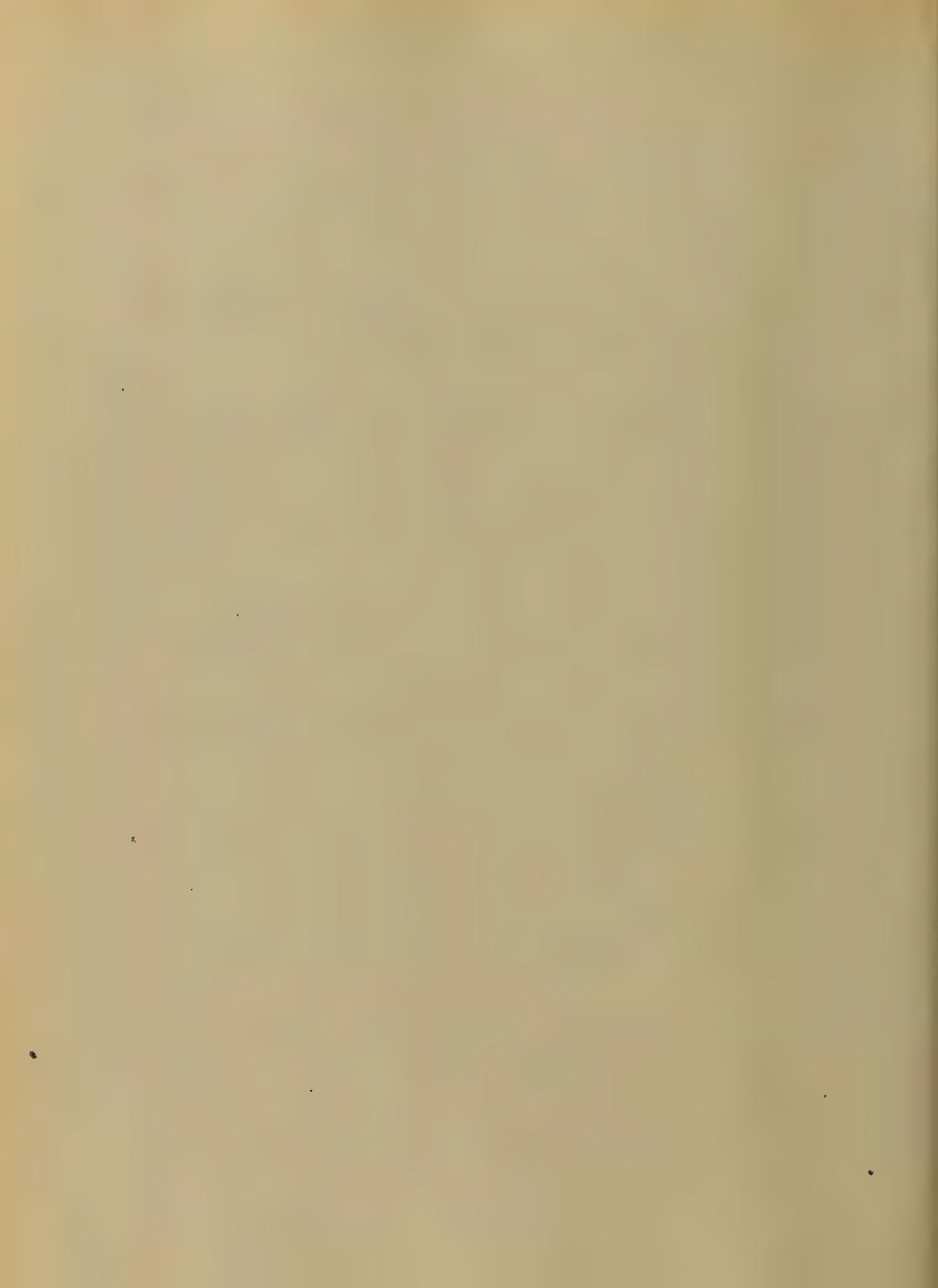
Some portions of the
respiratory organs, with
the lungs, trachea, oesophagus,
and heart, often enough
from irritation of the
stomach intestines,
whereas many others
of the intestine are provided
with a covering of a
yellowish, yellowish-green,
brownish-yellow, and

had to be made of
pillars, it would
be inclined to suspect
that such a result
would be claimed
without any power
of the mind to make
enough but probably
only from its ames-
tholic or psychi-
cancer.

In regard to the power
of the mind to make
animal cancer and death
animal soul a
cancer and then record
like a good deal of dis-

population, & I take it, &
and all together, there is
now that it is generally
agreed, that the present
nearly the approach to
the ultimate condition
that it is possible to reach
the more forcible will
be its application of
feel. Such a condition
will then be reached
more or less rapidly
but still an interval
will be left for the development
of the use of the knowledge
acquired by the progress
already obtained.

dedicated to a study
of the effect brought
about in a number of
well-known authors as follows:
I state that they have
met with good and
satisfactory, no unusual
obstacles and several
theses produced by the
lumière of the Bohemian
and only it does not
concern us if he concerned
feeling that he would do
the act of self-purification
but has done so far as
he is yet able to do and
likely lies in a number



role of Paul in the absurd
and grandiose farce
in which he has been
generalissimo, while by
infringing the law he
has sought to do away with
the constitution and
the country for ever. It
has been found hard to
name his crimes or
obstacles to justice
when they had so
good a field available
produced by disre-
ctive influence on
the legislature.

The thing decided in

which it may often
at present be unable to do
or minimize, it can only
be of benefit to seek
from others the effects
and if possible the
possibility of removing
material amounts of the
gas etc., & so reduce the
heat causing by the
burning fuel and after
the same is removed
allowing its action and
thus diminishing the
intercaval trouble
greatly. On the other
hand in removal of all

which required him and
me to find some much
better remitt.

The effects you may of
frequently see will im-
mediately be in action if
the sympathetic in the
gas be followed by the
comics. I think, a good
use of the former
particularly that of
ammonium carbide
when also in the
apparatus will effect
that other practice
as have not been so
inefficient as that we

the walls are never
wet in this season.

The river generally has
a heavy load of
congestive drift and often
quickly rises and left
a violent flood upon the
meadows, finding a
more rapid outlet through
the valley of the, & affluents.

We have now treated of
nearly all the more im-
portant uses and ac-
tions of the salt we have
chosen for our subject.

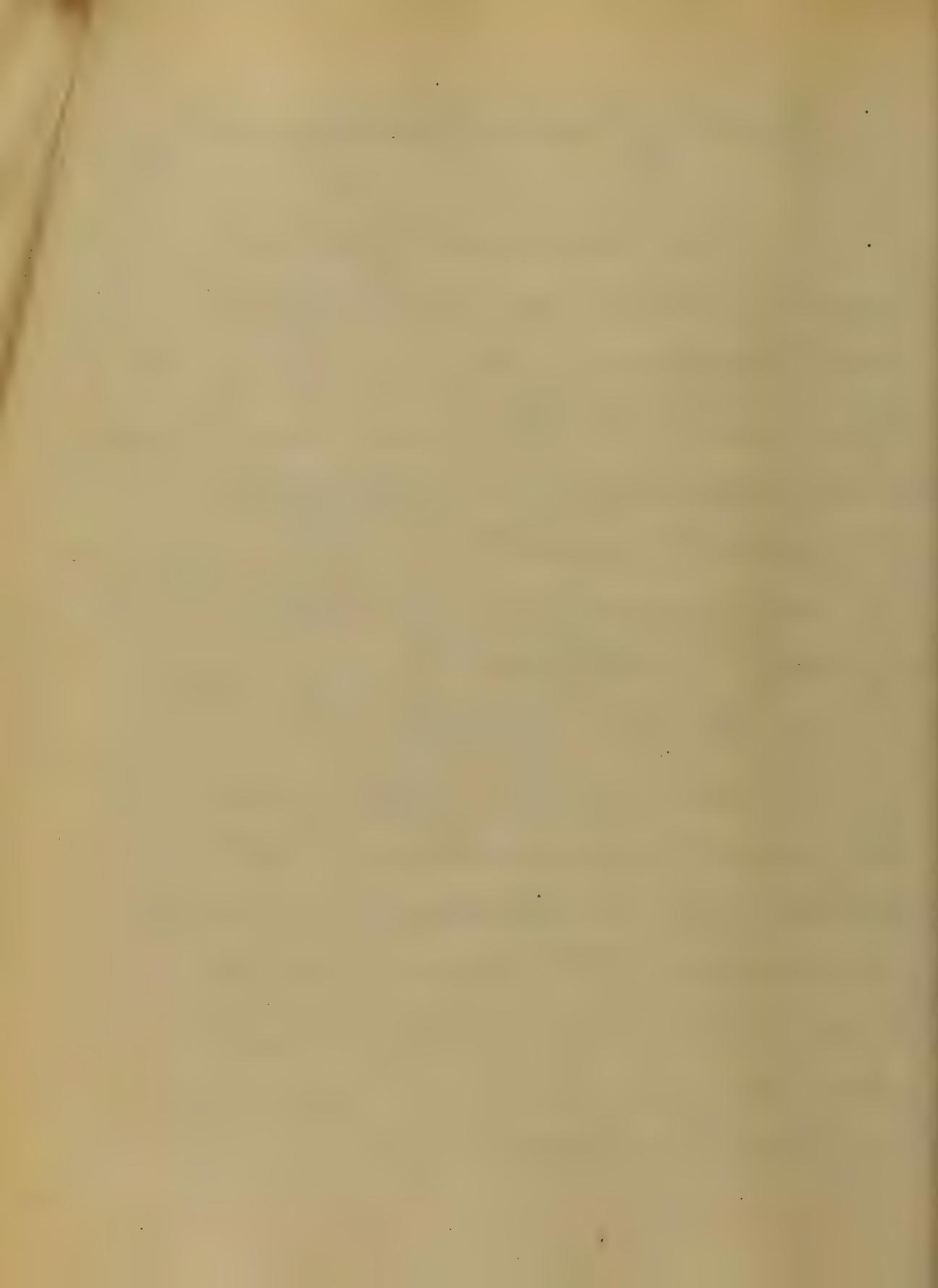
but to go deeply into
all its effects on the
system, in order to a-
rrive at such time and
order, as will render them
safe to be used, and
accord with every expecta-
tion, and be con-
fident that they may prove
acceptable.

Respectfully,
John J. Walker

Jan. 20. 1840

Cerebrospinal meningitis

The term cerebrospinal meningitis is used to define an acute, diffuse inflammation of the pia mater of the brain, and spinal cord, with deposit of a fibrinous purulent exudation. The diseases are very numerous, viz., cerebrospinal typhus, spotted fever, congestive fever, etc. The infectious character of the cause of the affection whatever that may be has been well shown by the numerous recorded epidemics of the disease, which have prevailed at different periods, among the various nations of Europe, and in this



country. The first epidemic of which we have any reliable information occurred in Geneva, and prevailed from February to April 1835. Then followed, in quick succession, the epidemics of Grenoble, Vesoul, Dorest, and Liffe.

After a long interval of comparative freedom from the disease, Europe, again experienced its ravages in the year 1842.

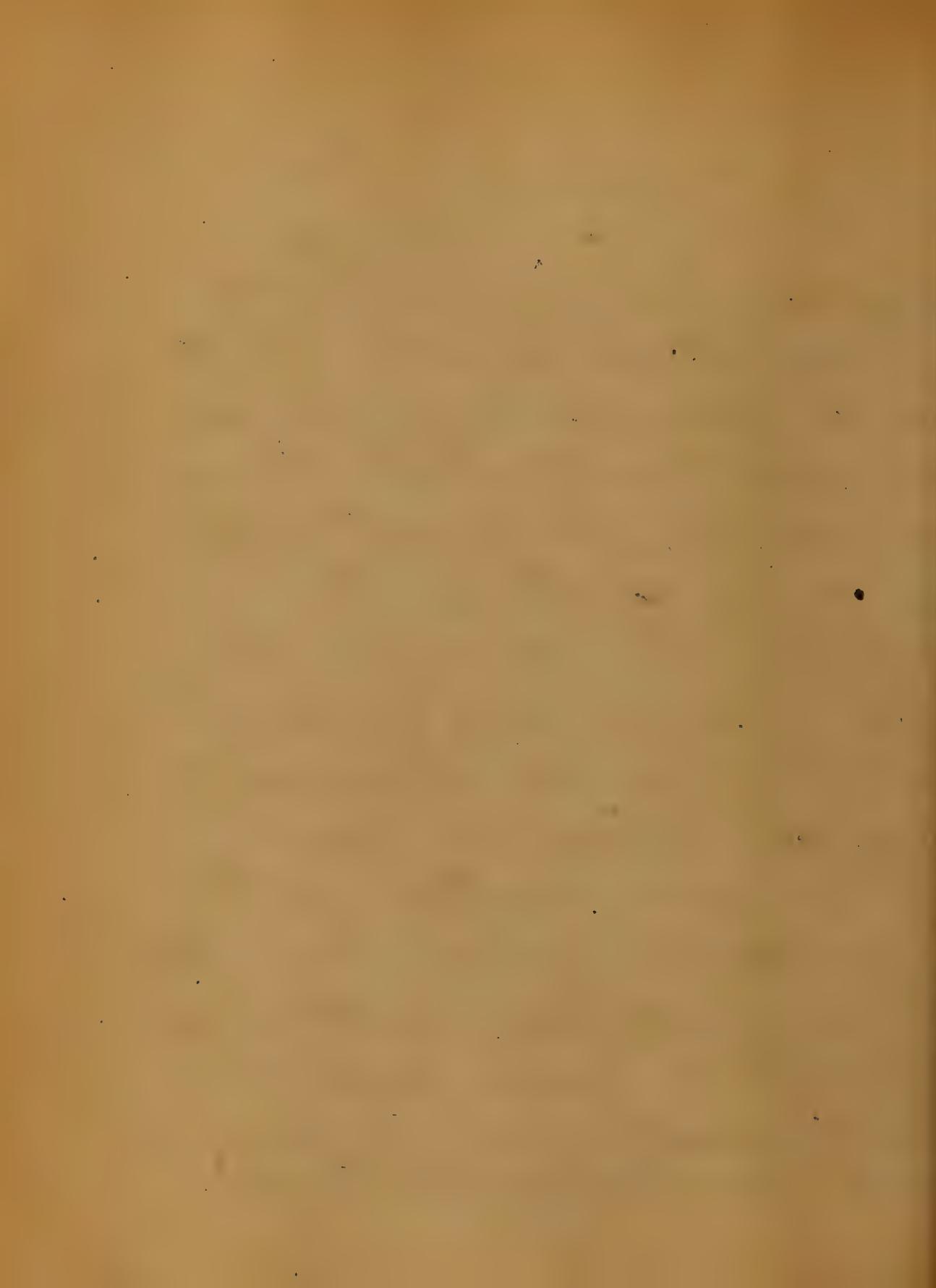
The epidemic first made its appearance in France, and thence spread rapidly over the various countries of the continent, bringing death and dismay with it. Passing over the channel, it visited the British

bles, and finally appeared on
this side of the Atlantic. The
etiology of the disease is very
obscure. Notwithstanding the past
twenty years have presented
abundant opportunities for the
study of the disease, and although
all the data gathered in regard
to the origin and spread of
the different epidemics have
been carefully, and thoroughly
investigated, still we are
nearly entirely ignorant of
the original source from whence
it springs. The inflammation,
and exudation which first
strike the eye, would almost
lead one to regard the

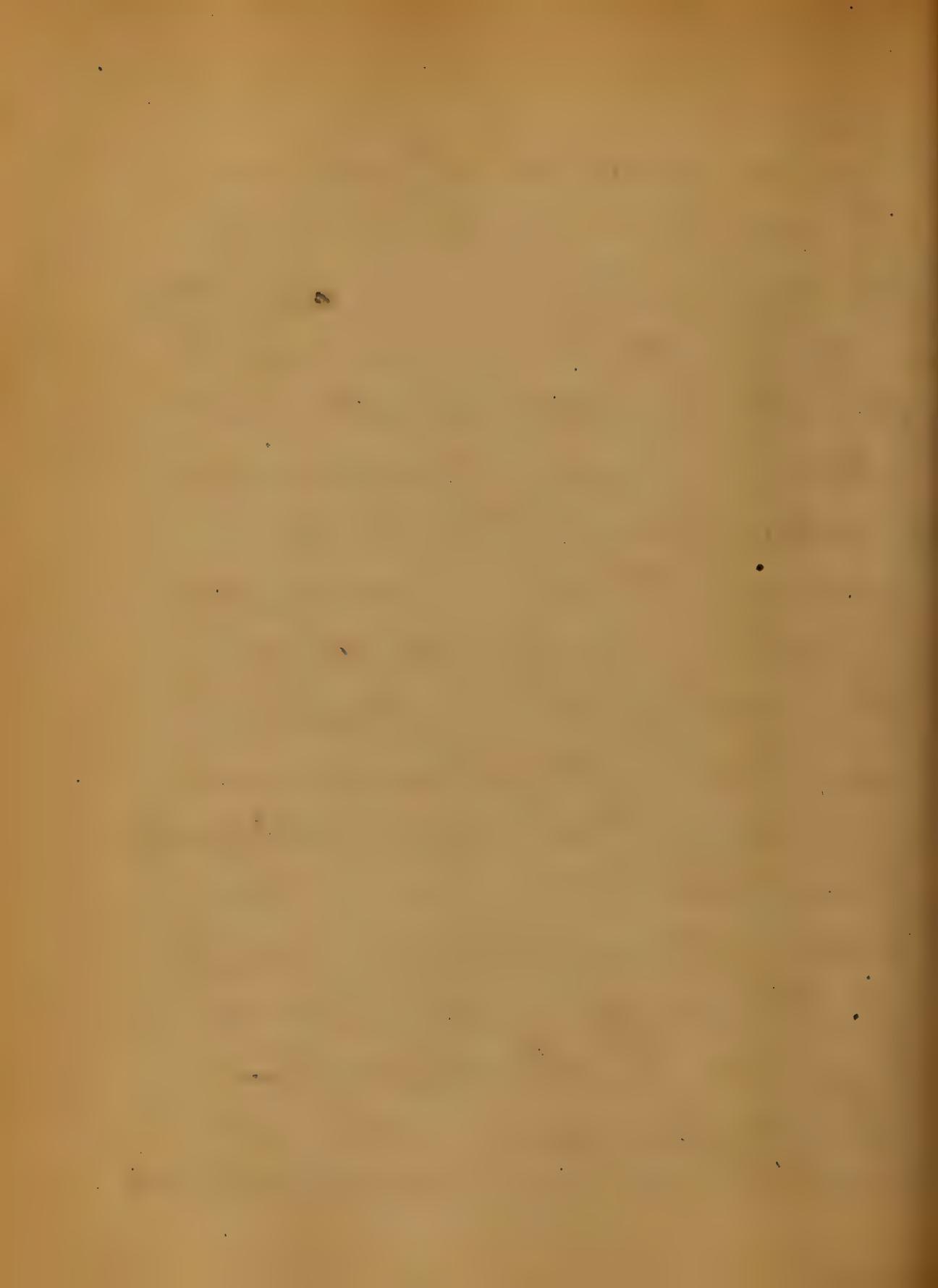
whole process as a simple inflammation,
but when a more careful examination
is made, a different view is entertained.
After a first consideration of the
nature of the affection, based upon
the following constant conditions;
namely, occurring, until recently,
very rarely, and then most often
sporadically, the disease has
since spread as an epidemic
over entire countries - over districts -
over two continents; sometimes
progressing uniformly from one
place to another. Sometimes
ceasing in this country, to appear
with increased severity in
that; the symptoms and
lesions being alike in



the mild, moderate, and severe cases, only in degree differing; eruptions, and enlargement of the spleen, alterations in the blood, and muscular changes being all common to most infectious diseases, and all being found continually, and prominently in this affection, the conviction of its epidemic character, forces itself upon one. Some eminent English, Italian, and French physicians maintain with considerable logical force, that it has no individual identity, but that it is a disease identical with exanthematous typhus, or the so-called cerebral typhus.



There are facts which go to prove
the nonidentity of the two diseases;
for instance, Typhus is distinctly
contagious, that is, communicable
from the patient to his attendant,
or to any one who approaches within
a certain radius of the bed;
moreover the cause of meningitis
appears in country districts of
the most healthy situation,
where a case of Typhus has never
been seen. It can also be satisfactorily
shown, that there is no relationship
between the infecting principle
of this disease, and that of
malaria. In the first place,
the affection seems rather to
avoid, than to seek, malarious districts,



7

and on the other hand, shows a decided preference for dry, sandy, elevated places, such as the high plateaus of Franconia, where epidemic after epidemic raged with the greatest virulence; Secondly, it does not prefer the season of the year, when the malarious principle is most active, viz. summer, but rather selects the cold months of winter; finally, when it does appear in a malarious region, its malignancy is not exaggerated, nor is the intermittent character of the fever, and inflammation increased. Recently, the connection between epidemic meningitis and malaria was irresistably disproved by Boncain.

who noticed that the Pela epidemic did not seek out the malarious portion of the city; that during its prevalence, and after its disappearance, malarial fevers were entirely absent; moreover, that quinine did not seem to have any effect upon the disease. The affection generally occurs in winter, and spring least in summer. The observations of many German physicians seem to show that great variations in temperature and moisture are more influential in the production and support of the disease than the extreme, unvarying cold.

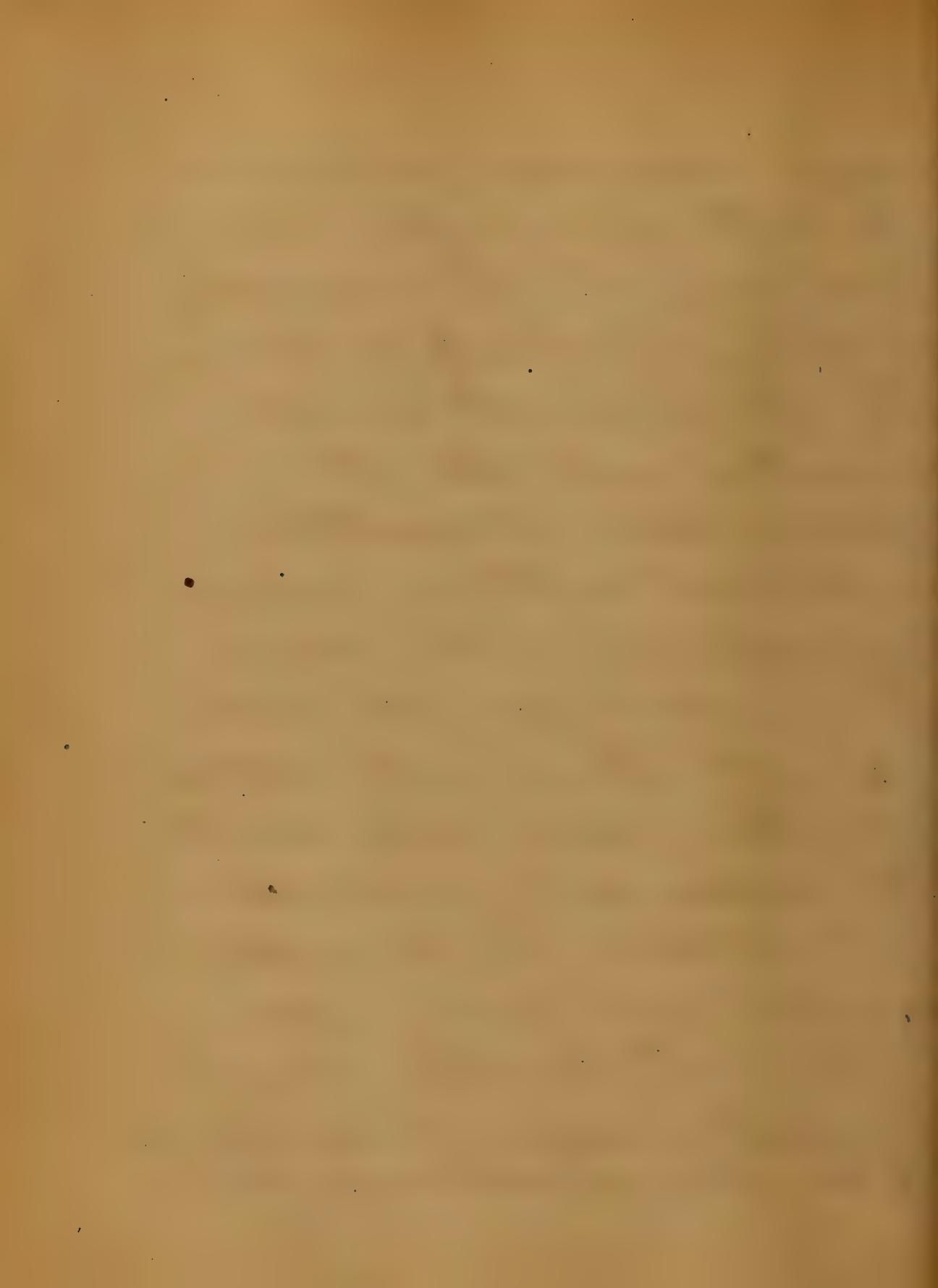
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of winter. As regards individual predisposition, age is of much importance, sex of very little. The statistics of Sanderson show 164 cases among males, and 157 among females. Age, however, influences not only the individual susceptibility, but also the severity of the disease. Childhood suffers most, the first two decades of life receiving the disease most frequently and most violently, but no period of life is exempt from its fearful visitations; still it is not very often met with after the fortieth year of age. The mortality from this disease

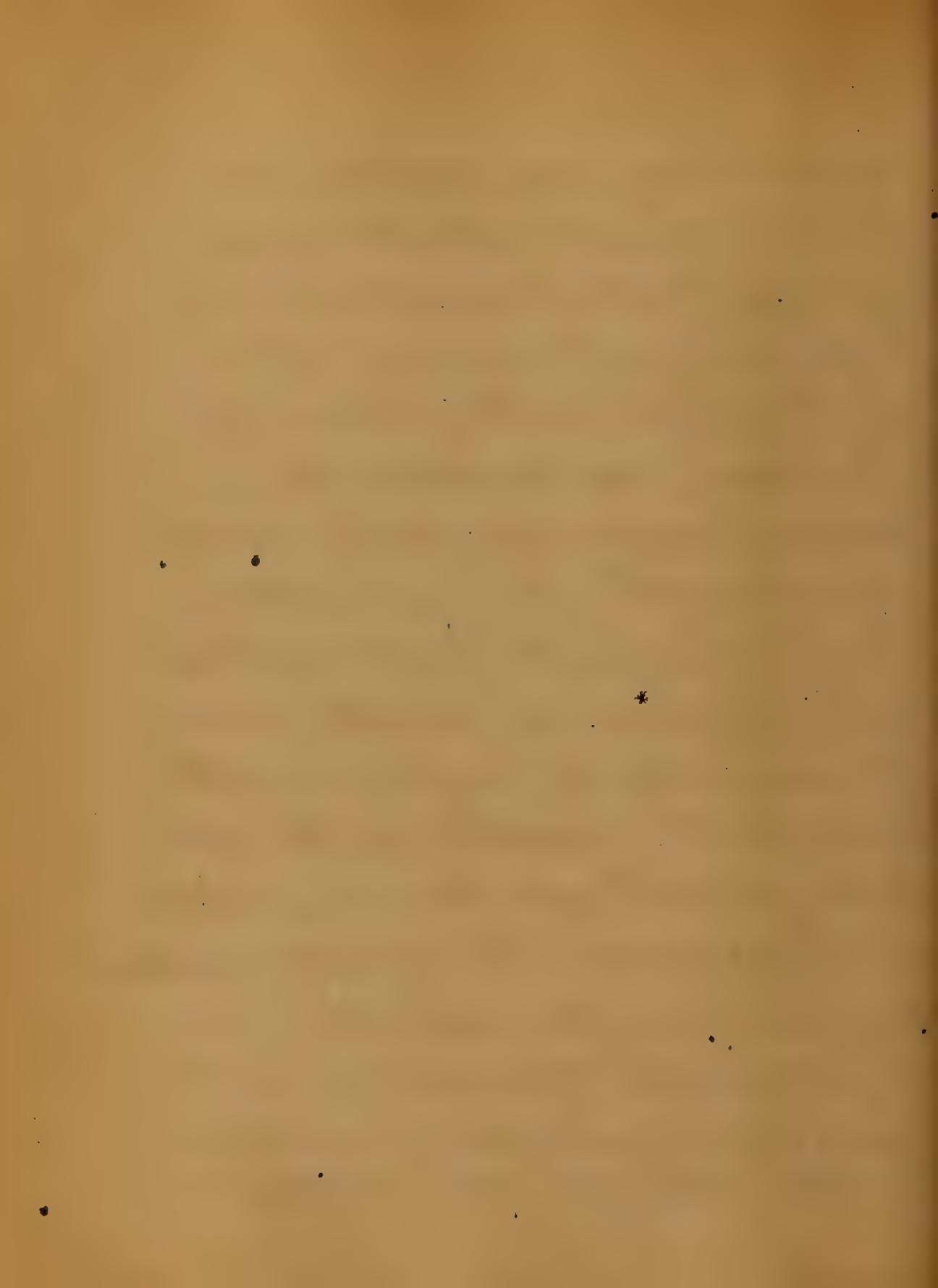
is very great. The proportion of deaths was sixty per cent, during the epidemic observed by Tordes; and Ames gives the same proportion in the Alabama epidemic. From the statistics given by those who were present during the different epidemics, there would seem to be a gradual diminution in the proportion of deaths from each succeeding epidemic of the disease. This goes to prove one of two things, either, the treatment instituted now is superior to that employed in former epidemics, or, the epidemic cause is wearing itself

out, whichever it may be, I hardly venture to say, experience alone, I suppose, will solve the difficult question, but if it were possible to form a correct judgment from reading alone, I would rather support the supposition of Stille, viz. that, the morbific cause of meningitis, at some future day, will not be the active and intractable one it is. The external influences of life, which favor the outbreak of the affection, are bad hygienic conditions, which furnish a proper nidus for the development of the morbific germ, such as, poverty, poor, and insufficient nourishment, and damp

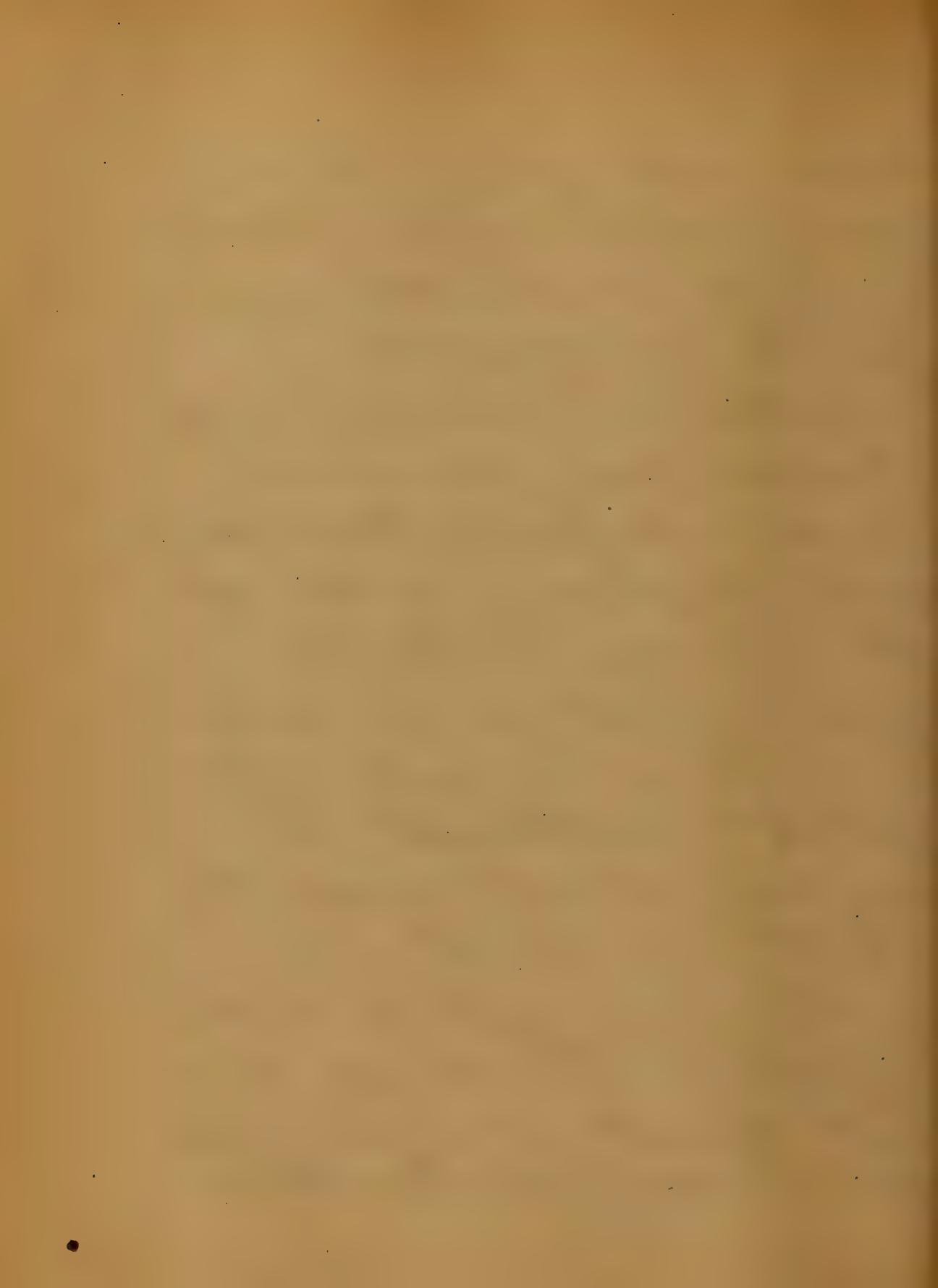
unclean, overcrowded ground floors. The better classes suffer but little from it. The overcrowding of sleeping apartments by filling the atmosphere with animal excretions, and often, the decomposition of vegetable and animal matter, are perhaps, efficient causes of the disease. It is a well known fact, that frequently the private citizens of a town would escape, while the soldiers in their barracks were attacked. The overcrowded workhouses of France were often hotbeds of the disease. During the prevalence of some epidemics it has been observed, that only certain



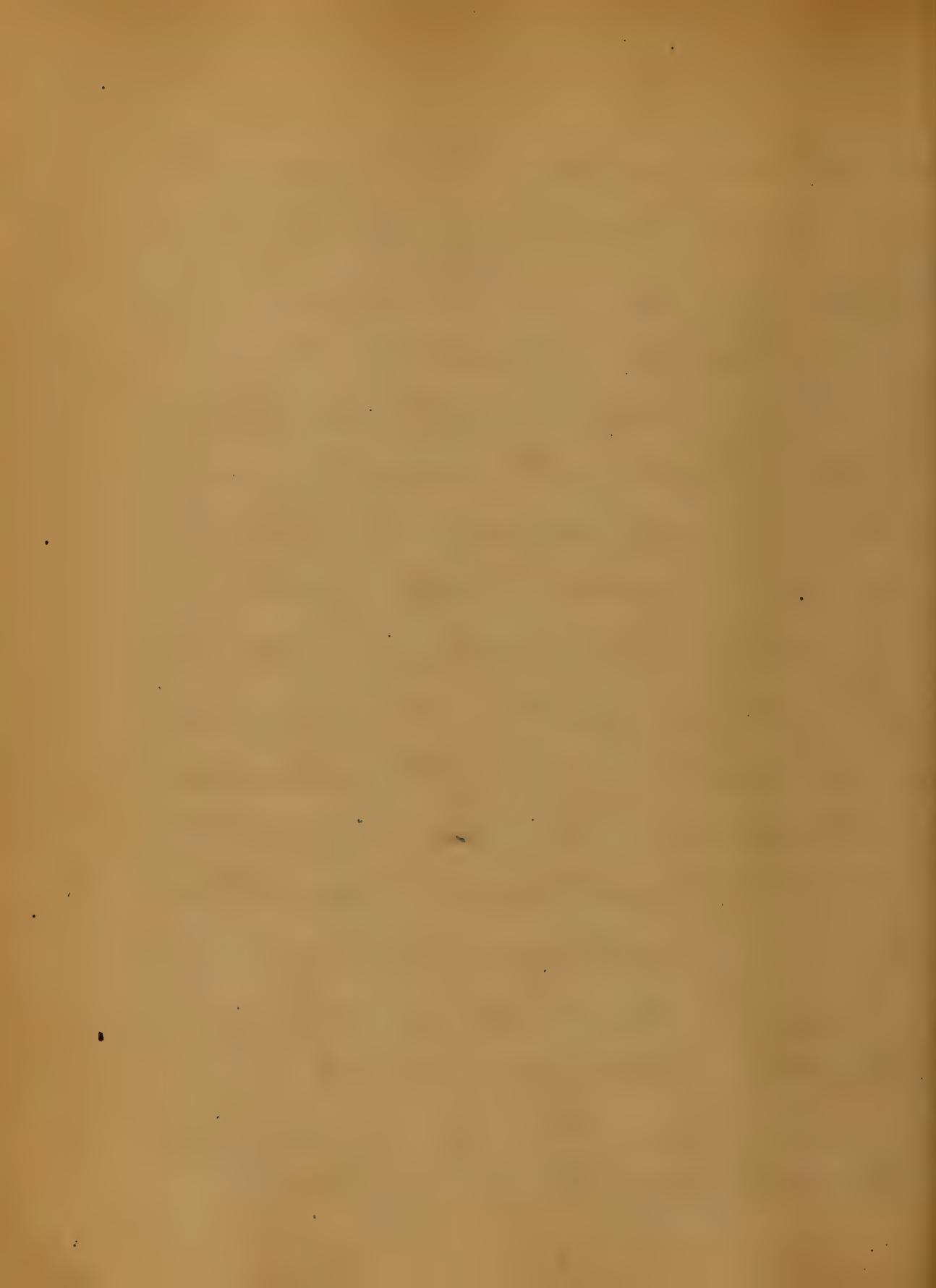
rows of houses were affected with the disease, and when the cause was sought out, it was either found to spring from the bad condition of the streets, or the filthiness of the houses, and sometimes the personal uncleanliness of the inmates. was responsible. It would not be proper, however, to conclude, that bad hygienes are the sole causes of the disease, they only prepare a suitable soil for the vegetation of the fatal seed; for although the same condition of things remains, the affection sometimes ceases, and even does not appear in places much worse, as far as laws of hygiene are concerned. Bodily condition does not seem



to have much influence, since a great proportion of those attacked are hearty, robust children, and yet there does appear to be a susceptibility to the disease shown by persons suffering from chronic diseases, and especially those laboring under a longstanding affection of the air-passages. Whether the poisonous material is a miasm or a contagium has not yet been settled by pathologists. The majority of writers reject the strict sense of the term contagious as applied to this affection. The disease does not spread in regular order from one person to another.



as this term implies, but according to the views expressed by many able French physicians, who have had ample opportunities for observation in a number of epidemics of the disease; "We have to deal with a morbid germ, which primarily arises in the human body, and infects healthy neighbors, only, when it has undergone a certain, still unknown, modification by means of cultivation in suitable intermediate individuals." This theory is worthy of deep thought, since it owes its birth to men of great research, and experience. Measles almost always begins abruptly, without any distinct prodromal stage. When there are prodromata, they will consist of headache,



exhaustion, anorexia, nausea, and flying pains. Previous to the onset of the disease, there was an interval of several hours during which the patient felt perfectly well.

The initial symptoms always present a violent character; a severe chill, extreme malaise, which drives the patient at once to bed, raging headache, and excessive vomiting, which recurs whenever the patient raises himself. In severe cases there occurs at once coma, or delirium, convulsions, and the characteristic stiffness of the neck, which in a few hours may develop into a tonic contraction of all the extensors of the spinal column. In moderate cases there is only the

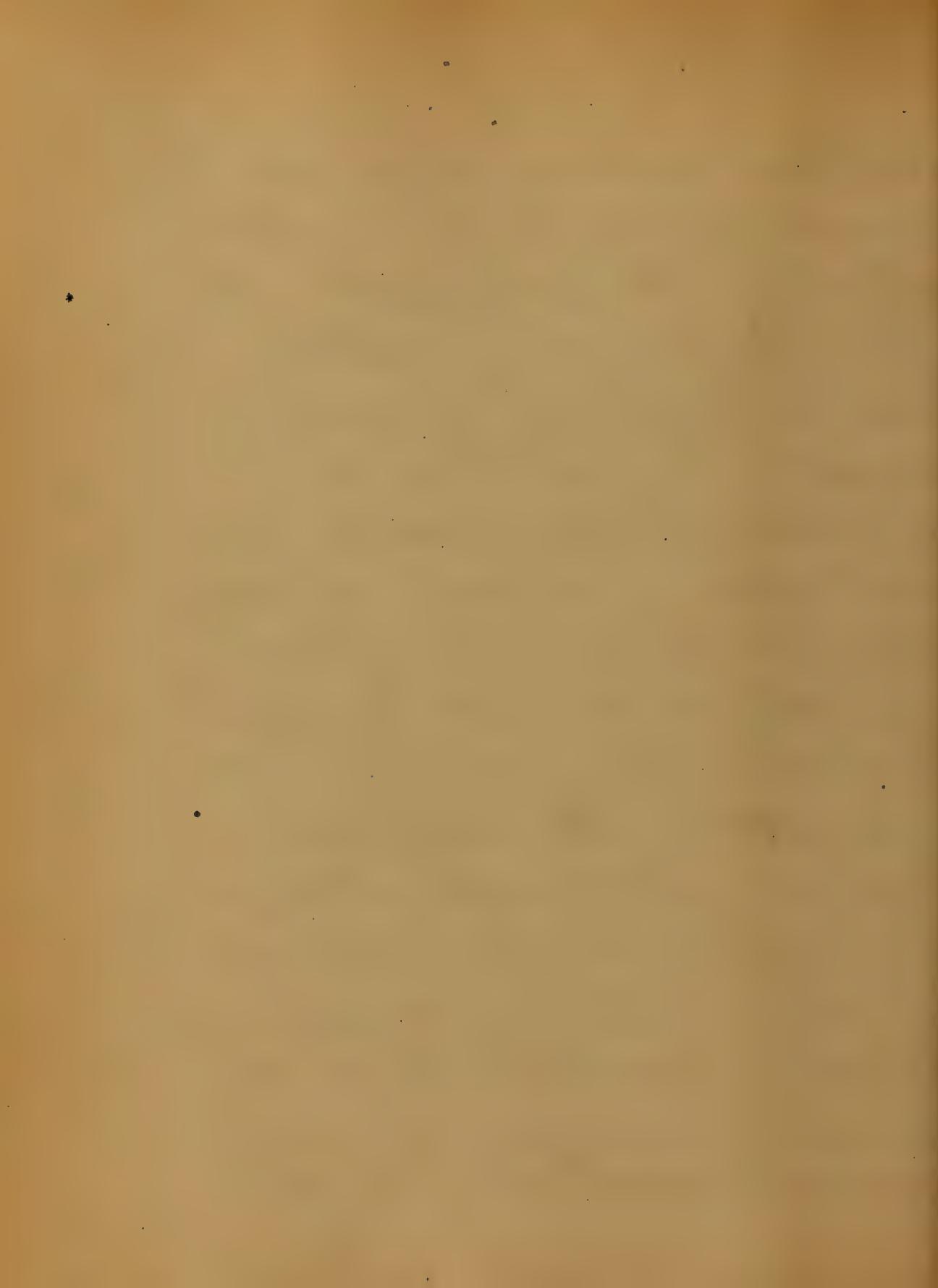
stiffness of the neck, without complete loss of consciousness, but some somnolence, with great restlessness.

When spoken to the patient will answer generally correctly, but not very intelligibly. His most common complaint is of the headache, and even when unconscious, he shows the intensity of his sufferings by the agony which every feature expresses. The disease develops rapidly.

The fever is most often moderate, irregular, and has no typical character. The pulse is either normal, or slightly accelerated, but undergoes great changes in frequency. The pulse is not a reliable guide in this disease. During the delirium, and

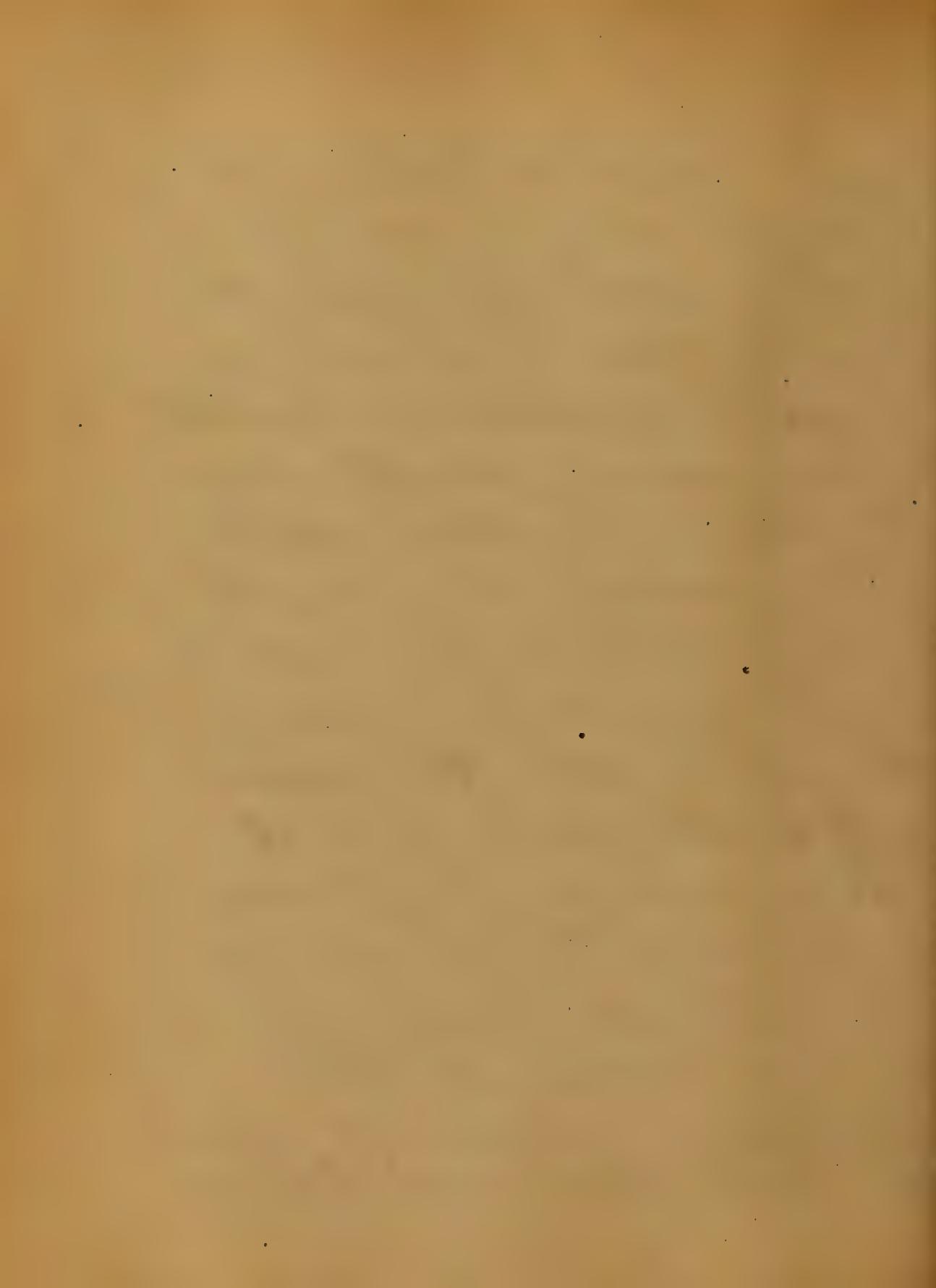
while the restlessness still continues, the skin becomes hyperesthetic, followed by the same condition in the soft parts, and finally in the joints, so that every movement the patient makes, even raising the bed cloths, will elicit a cry of anguish from him. Now come on various cutaneous eruptions; herpes upon the face, and sometimes upon the extremities, arranged very often symmetrically on both sides of the body; then erythema, roseola, urticaria, and pustules. From the third to the fifth day, the tongue becomes dry and cracked, the appetite, which sometimes continues till now, fails, constipation exists, but now and then there is

diarrhoea, and more rarely involuntary evacuations from the bowels. If the attack is to terminate fatally, the symptoms of nervous irritation cease, while those of depression increase. The patient lies in complete unconsciousness, the urine and faeces are voided involuntarily, the pulse becomes very rapid, and towards the end too rapid to count - small and barely perceptible - the temperature is very highly elevated, there are convulsive muscular movements, paralysis of the cranial nerves, paresis of one half the body, general convulsions, ending in coma and death. On the other



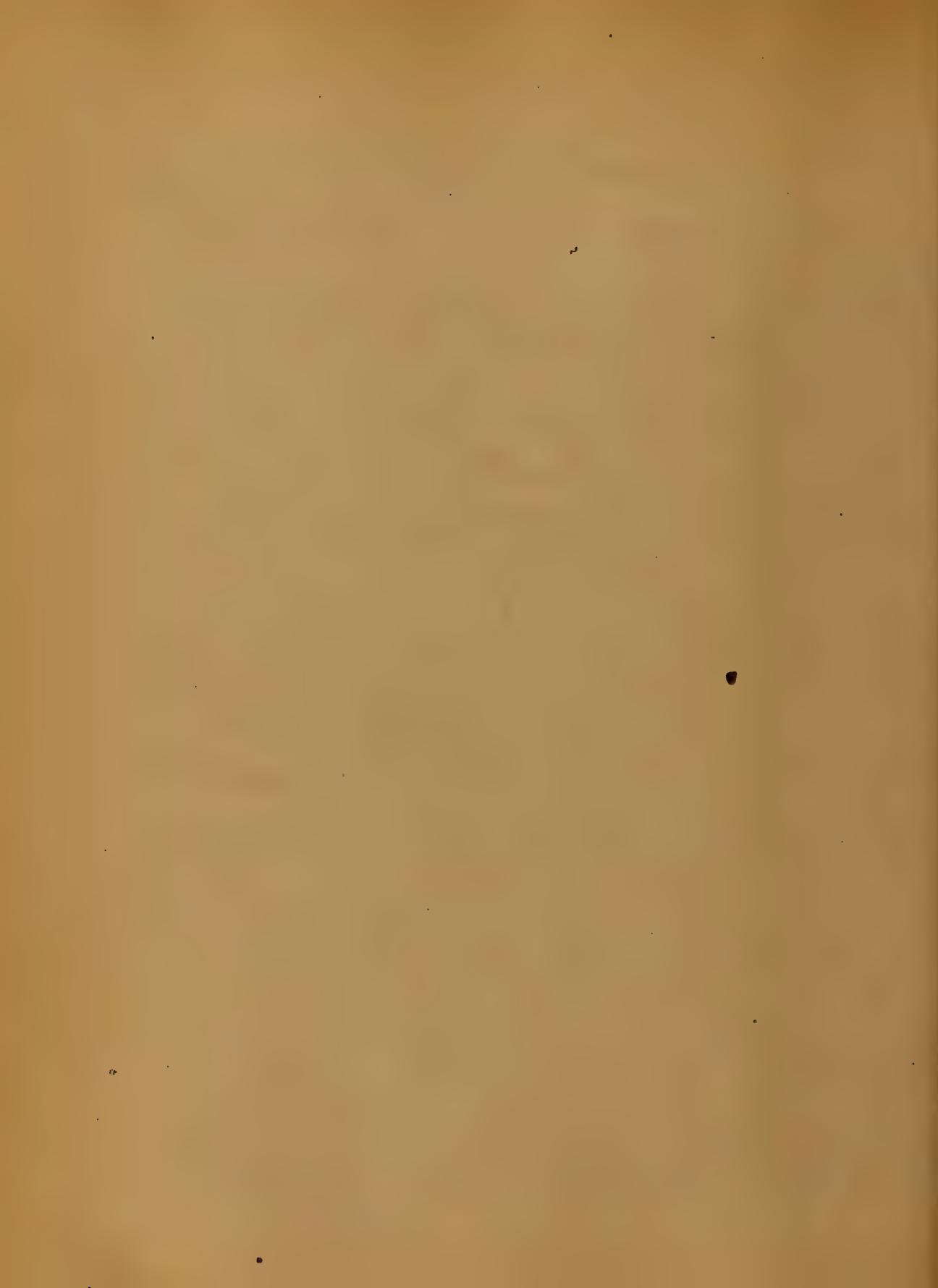
hand, if the case is to end favorably.
The bifurcations of depression do not
occur, or if they do, they never do and
subsides. The patient continually
complains of the terrible pain
in his head, also of the pain in
his spinal column and extremities;
The eyes will not bear light,
nor the ears noise; the sounding
subside after five or six days;
the headache and stiffness of
the neck gradually diminish,
finally, convalescence is generally
declared in favor one to two weeks,
but it sometimes delayed beyond
this period. The crises of meningitis
are very constant. They are found
in nearly every attack, and will

vary in the degree of development.
The emaciation in cases of long
duration is great. Rigor mortis lasts
for a long time. The calvarium is
frequently congested in a punctate
or linear manner, especially along
the sutures. The dura mater is
often exceedingly tense, smooth,
on its external surface, and in
parts, here and there, united to
the vitreous table. It is sometimes
dotted with specks of blood.
The inner surface is suffræmic,
and adherent to the arachnoid.
The arachnoid is sometimes
found quite normal, at others
suffræmic, and frequently, after a
protracted illness much thickened.

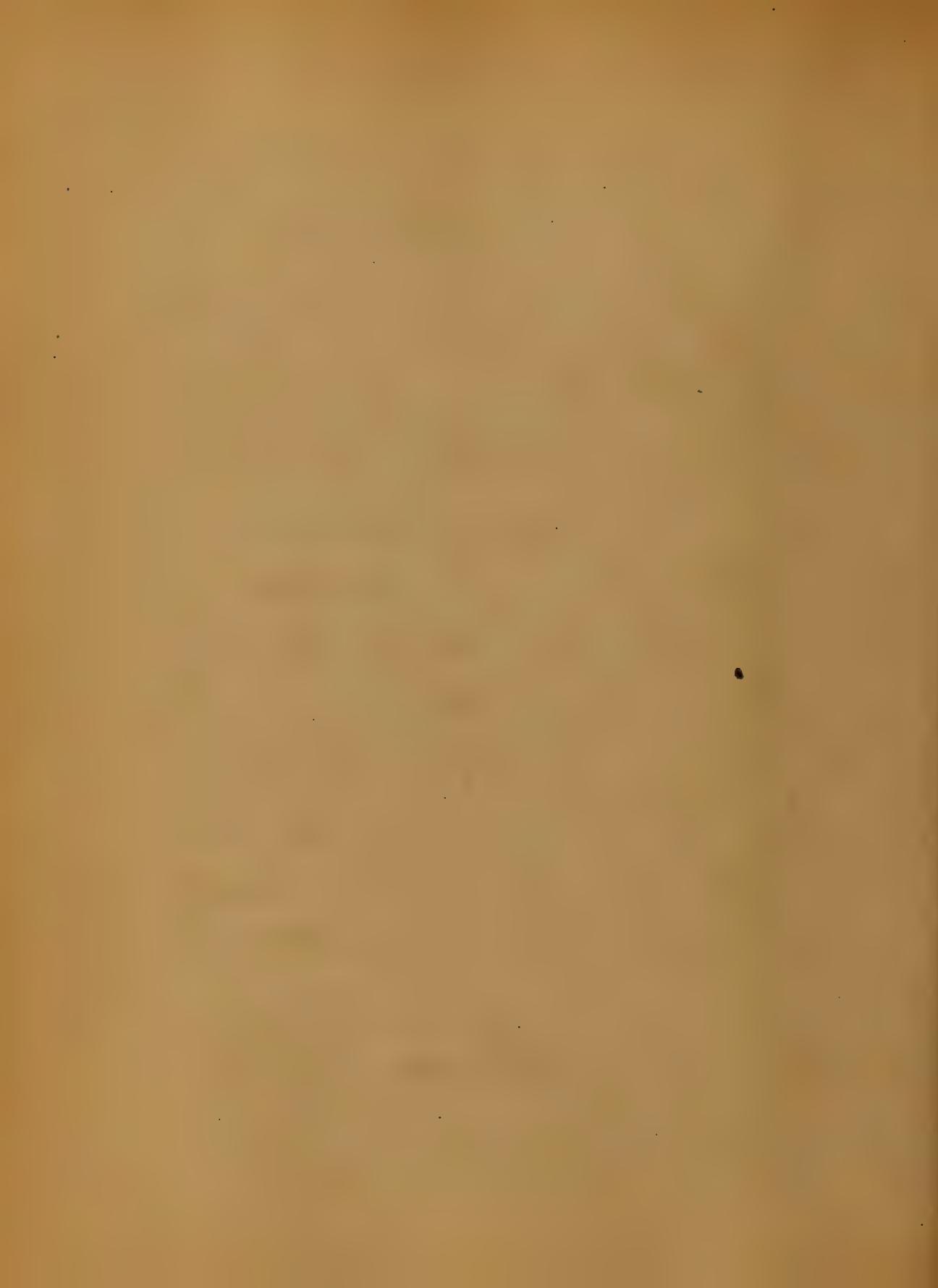


The pia mater is almost always hyperemic, with scattered spots of capillary extravasations. It is also often thickened by the inflammatory exudation. It becomes so intimately adherent to the brain, as to present some difficulty in its removal.

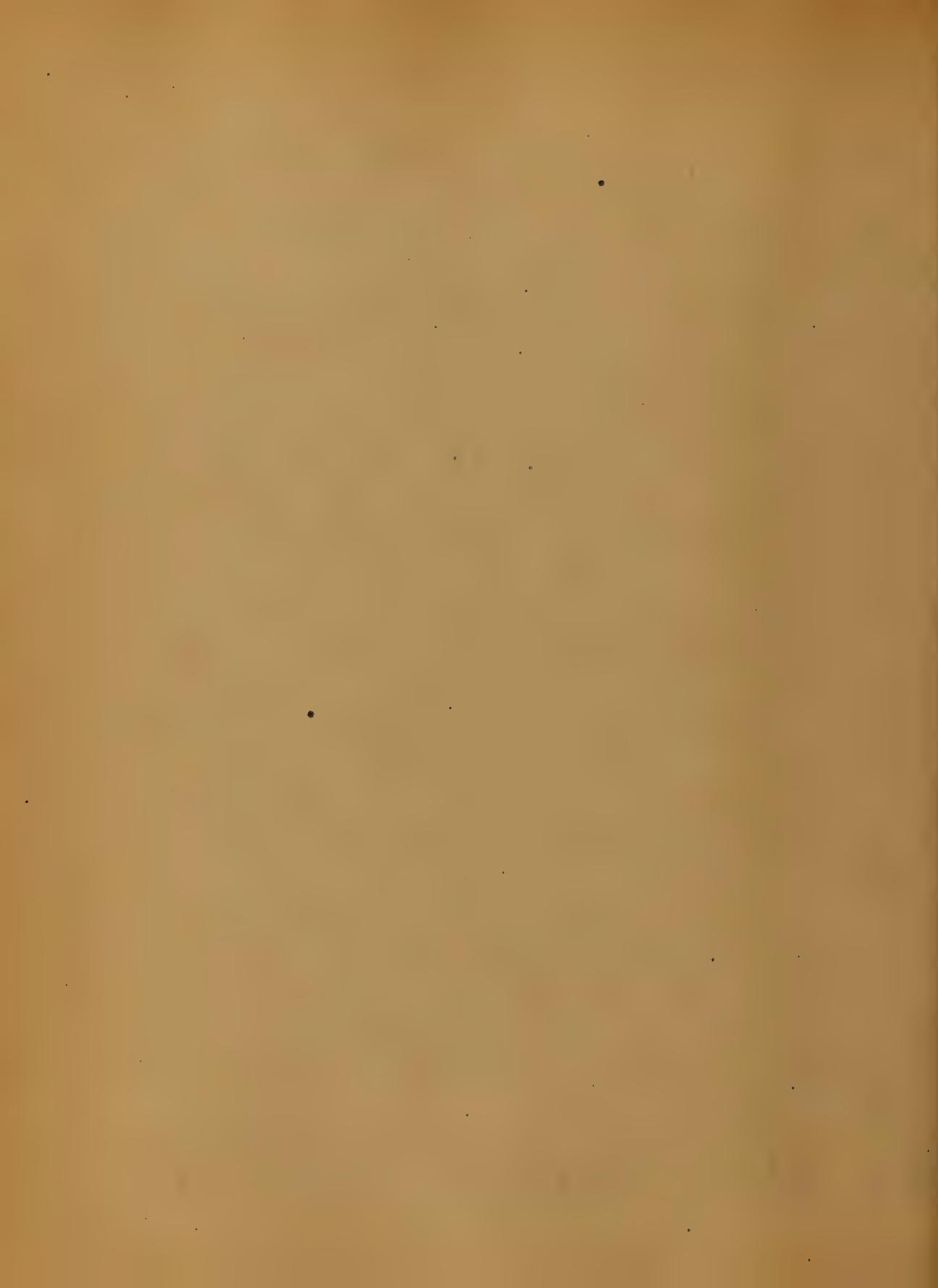
In the sinuses, are found thin fluid blood, with loose or firm post mortem clots. The more acute the case is the less fluid exudation is found between the pia mater and the arachnoid. In the fulminant cases there is no exudation at all, and the only changes found in the pia mater, are microscopic, which consist in a dense infiltration.



of cells, more numerous along the course of the blood vessels. Where there is free exudation in the subarachnoid space, it appears there in from the first to the second day of the attack. It presents the appearance of a cloudy serum. When the disease has lasted from two to three days, the exudation is distinctly purulent and of a gelatinous consistency. Sometimes it has a bloody tinge. It is deposited upon the convexity as well as the base of the brain, and shows a preference for the course of the vessels, the folds, and depressions of the brain. The fissure of Silvius, between



the pons varolii and the chiasma,
also upon the pons and cerebellum.
The membranes of the spinal
cord are found in much the
same condition, save in one
respect. The exudation, which appears
as a cloudy serum upon the brain,
becomes here a thick fibrinous,
which still later changes to a uniform
stratum of pus, deposited in layers,
chiefly in the lumbar region,
very little comparatively in
the cervical region; moreover,
it seems to be confined nearly
exclusively to the posterior
surface of the cord. The roots of
the spinal nerves are often buried in
pus. The brain substance is congested,



with punctiform extravasations, which in places have undergone softening. In less acute cases the brain substance is very smooth and level, but on section has an oedematous appearance; more rarely the substance is of a tough consistency. In many cases the ventricles contain a turbid serum, or perhaps pus itself. The plexus is much infected, and very often covered with a layer of fibrinous tissue. These conditions are not very frequent in the third and fourth ventricles. The neighborhood of the ventricles has very often undergone softening.

Frequently, when the disease has been more than usually protracted, the quantity of serous effusion becomes so great, as to cause eccentric atrophy of the brain, flattening of the convolutions, and sometimes by great pressure oedema of the brain and spinal cord. Rarely, there is a caseous degeneration of the exudation between the membranes. In the substance of the spinal cord the same changes will have taken place, only less marked. Very often the other organs of the body exhibit changes. Sometimes it is the lungs which suffer, being simply suffocative, or

they may present secondary atelectases, and even pneumonic infiltration, tubar, or lobular. Often the pleurae and pericardium are inflamed, and covered with a purulent exudation. The heart sometimes is flabby, and contains dark, thin, serous blood, with loose post mortem coagula, or more rarely firm fibrous dots. The liver, spleen, stomach, kidneys, large and small intestine with the urinary bladder, are less often affected. The auditory apparatus is frequently injured, the eye not so often. Generally the organs of taste and smell are either preserved, or entirely

destroyed. The disturbance in the functions of the latter sensory, is probably due to the pressure exerted by the exudation upon their respective nerves at the base of the skull. The lesions of the eye most frequently met with are, according to Knappa, "Choroiditis, with consecutive detachment of the retina."

In the ear, Collets says, fululent inflammation of the labyrinth and tympanum occur most often. The diagnosis of meningitis will present no difficulties if it occur primarily and during the prevalence of an epidemic. The acute onset,

with, or without prodrromata, the symptoms of violent disturbance of the cerebro-spinal system, especially, the furious headache, rachialgia, vomiting, contraction of the cervical muscles, general hyperesthesia, alternation of somnolence and delirium, eruptions, particularly, herpes facialis, all, are sufficiently characteristic symptoms, even for one who had never seen the disease.

The diagnosis presents obstacles only when it appears seldom, and sporadically, then it will lay most often between tubercular Basilar meningitis and typhus fever. In a case of tubercular

basilar meningitis there may be considerable stiffness of the neck, the same headache, loss of consciousness, great restlessness, with similar irregularity, and moderate height of fever; but the tuberculous nature of the affection can be distinguished by the duration of the prostration period, which is nearly always present, by the less furious onset of the attack, by the very slow pulse, together with the absence of convulsions. Finally, by the marked tendency to tuberculosis, as well as the family history of scrofulous and pleuritic affections,

A differential diagnosis between meningitis and typhus fever presents not a few perplexities to the inexperienced practitioner. In the outset the symptoms so closely resemble those of meningitis, as to render a positive diagnosis impossible. Correct diagnosis may be made, if after repeated observations, we still find the characteristic fever, the absence of enlargement of the spleen, and the appearance of herpes facialis, a symptom of the greatest rarity in typhus fever. Specific prognosis cannot be made in individual cases. One might

Say the fulminant cases will die, while, in all probability, the mild and abortive cases will recover. In severe, and moderately severe cases a

prognosis must be withheld for the first few days, until further developments. The disease is most apt to prove fatal to infants, persons of middle age, and to those advanced in life. Many competent writers state that the proportion of deaths is greater among females than males. The mode of dying is often obscure in these cases where coma and death follow quickly; when the disease

is protracted beyond a few days,
the patient generally dies of
asthma. Through our ignorance
of the etiological laws of the
disease we can recommend
prophylactic measures only
in a general way. The linen or
other articles that may be used
by the patient should be disinfected
or better still, burned. Persons
who are much alarmed during
the progress of an epidemic
should be advised to leave
the infected neighborhood,
as the only sure means of safety.
There is no active treatment
of the disease. Bloodletting
has been largely practised, but

in the majority of cases without
good result but I think we can
very readily account for this
seeming failure of the measure
by the indiscriminate manner
in which it has been employed.

Firstly, when the patient has
a pulse denoting great heart
power with considerable
febrile movement, the indications
are not only in favor of blood-letting
but urgently demand it.

If those simple rules were more
strictly adhered to, blood-letting
would take its proper place, as the
most valuable remedial measure
we have at our command to
combat the pyæemic influence.

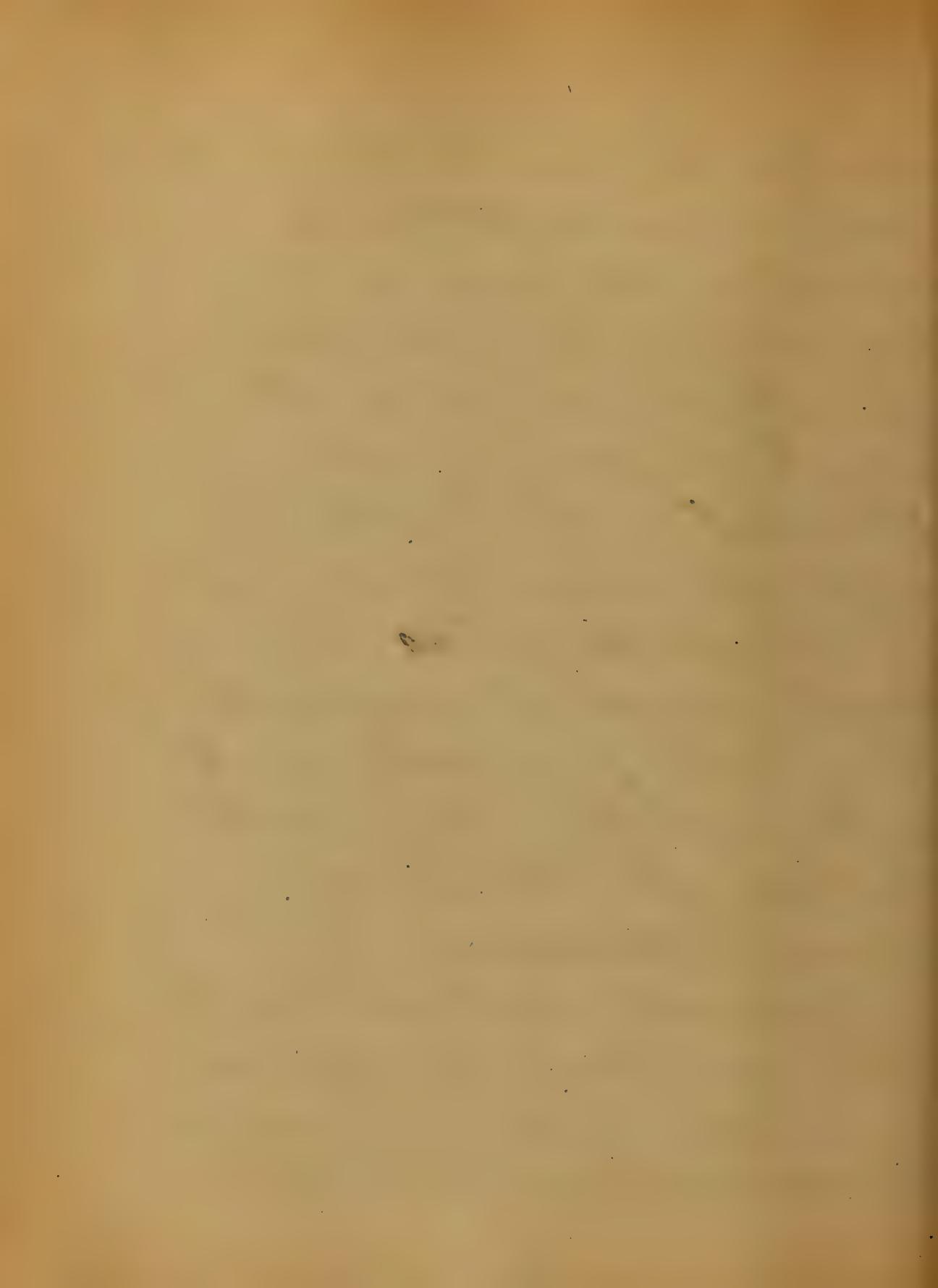
of the disease. Leeches applied behind the ears, and wet cups to the back of the neck, are the most appropriate situations from which blood may be abstracted in these cases. Local abstractions of blood, even when often repeated, give almost always a decidedly beneficial result. They are especially indicated at the exacerbations of the inflammation and fever. The diminution of the intracranial hyperaemia is seen by the relief of headache, restlessness and delirium, even sometimes by the return of consciousness. The application of ice bags to the head is of prime importance; very often

it quiet's the tooth's word, sooth's the
pain, and sometimes brings sleep
to the wearied sufferer. The best
time for their application is during
the exacerbations of the disorder;
and when there is marked
diminution in their severity,
the ice bags should be withdrawn
for a while. Mercury in the
form of calomel, or mercurial
ointment is part of the usual
treatment. It is given for the
purpose of allaying both the
inflammation and checking
the exudation. Since the remedy
is used in conjunction with
other measures, it is not easy
to ascertain its efficacy, but when

used alone its power to effect good
was by no means established.

Calomel is often given in large
doses with jalap to act freely
upon the bowels, and in this
way to produce an active
determination of blood to the
intestinal mucus membrane.

To prevent stomatitis, the
mouth is washed every half
hour with pure water, and
with a solution of chlorate
potash, about twenty five
grams to the ounce. The
emphysematic treatment by cold
baths, and large doses of quinine
is indicated in few cases, inasmuch as
there is usually a moderate fever.



and more especially, as death is
not due to high temperature.

Cannine may be used with great
advantage in those rare cases
where temperature does high.

Narcotics are of paramount
importance through the whole course
of the disease. The incessant
headache, restlessness, and
sleeplessness, are alone sufficient
to demand the administration
of opium or its alkaloid
morphia; and it acts
most efficiently when given
hypodermically. If there a
speedy effect is desired we
may give to adults large doses
 $\frac{1}{3}$ to $\frac{1}{2}$ grain with no fear

of evil. If it be used immediately after local bloodletting, the most furious delirium often gives way to quiet and sleep, lasting for some hours. Morphine is justly regarded as one of our indispensable resources in the treatment of epidemic meningitis. Ether sprayed upon the back of the head and neck, and also chloroform liniment applied with friction, are useful palliative measures. Inhalations of chloroform, or ether have been recommended by some writers; some have spoken favorably of large doses of chloral. In protracted cases the administration of

iodide of potassium will be
of great service in producing
absorption of the exudation.
The diet must naturally be
regulated according to the
degree of the fever, when
the fever has ceased, a
nutritious, but fluid diet must
be adopted, in consequence
of the fact, that great emaciation
and prostration take place
in cases of this disease, even
when the patient has been
confined to the bed, but
for a short time.

Respectfully,

J. Horace Hoffman

35

in following the textbook
order of writing upon this dis-
ease, as I am not writing for
the purpose of teaching others
but feel that the effect of the
faculty in requiring a student
to write a thesis is that they
may determine whether or
not he has gained from
books and lectures, such
practical knowledge as will
justify them in giving him
a diploma which it is permitted
to practice and study his pro-
fession.

The first and most

important duty at the bedside
is to make a diagnosis; not so
important is it to name the
disease as to measure action
& form an opinion of the
condition of the patient
what great systems of the
organism are deranged?

Then what that derange-
ment is whether functional
or organic.

This of course will
with action or application.
Knowledge of the principles
of the profession gained at
college.

But theoretical knowledge

is not all that is required; without it the practitioner would be but an empiric, but with it, and nothing else, he would be only a bookworm better suited to the study than to the bedside.

What then is this additional prerequisite? Good common-sense, the power of sound judgment; if he have this, he will neither pronounced too quickly, nor trifled too long.

Now in no case is the application of sound judgment more required than when the

patient has lymphoid fever; especially if the case is sporadic.

If the disease is prevailing in the neighborhood, or if the family have other members down with it, or just recovered, the diagnosis is plain, in fact the family has already made it before the physician is summoned: but if there has not been a case for months, there is more difficulty.

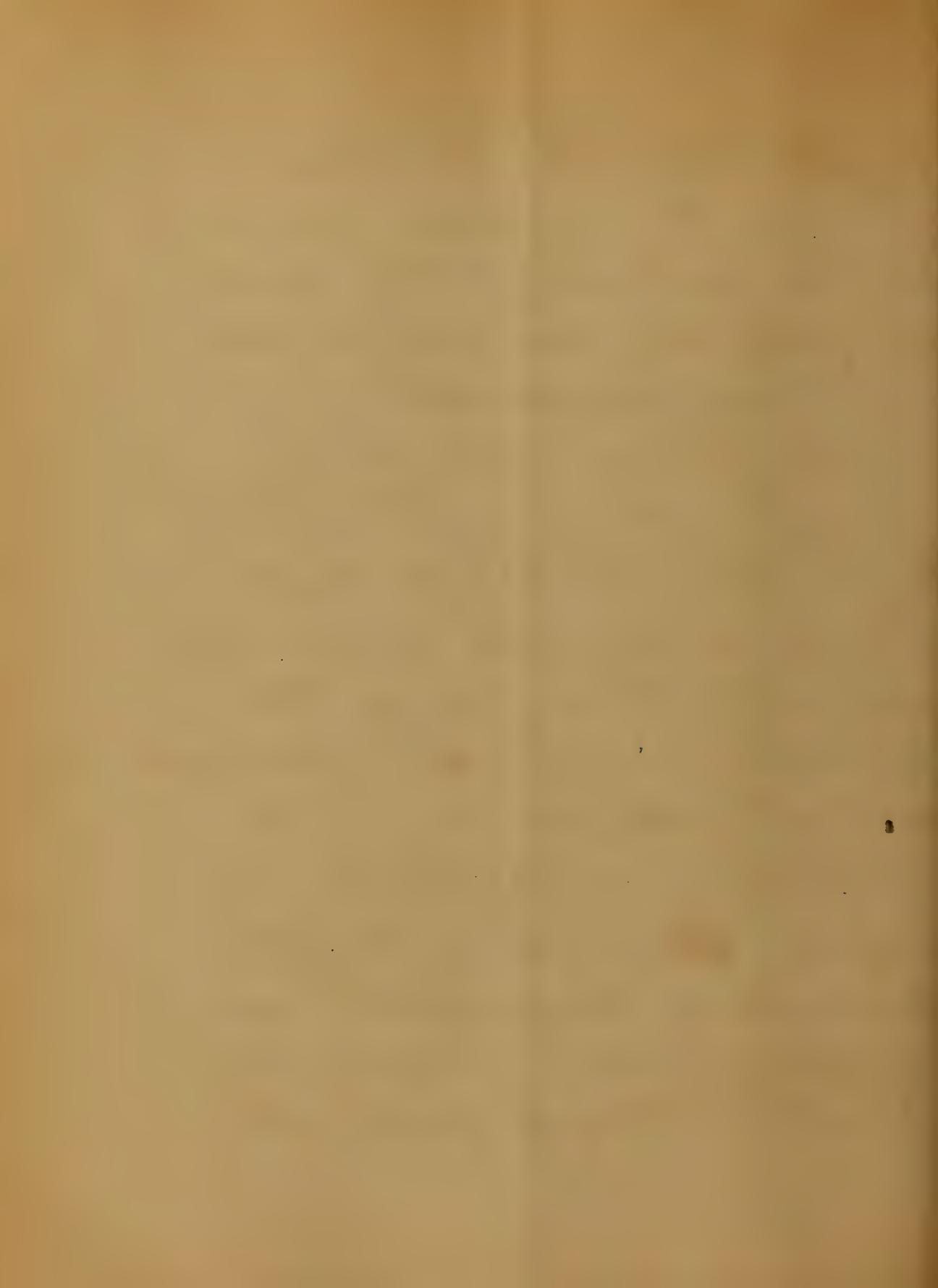
We can not be influenced by season as with bilious & malarial fevers, for unlike them, it is common to all seasons: we cannot be guided by place, for it is not limited

by latitude; we can not
be governed by former phys-
ical condition, for the robust
& healthy are made ill frequently,
as frequently as the weak
and afflicted. Then we must
go into the history of the case
before us.

When we find that
the patient has been feeling
badly for several days, on arising
in the morning was a dizziness
of latitide, causing great effort
to keep the mental powers
coordinated; with difficulty
he attended to the business
duties of the day; & when

right returned the bed instead
of giving the medium for re-
solation and relief to the worn
out faculties was only a cross
and a disappointment

The patient after feeling
for a few days that there is "some
thing the matter", concludes
that he is "very sick" and importu-
nately for himself and the
physician whom he afterwards
calls, he takes "some medicine"
which is most frequently an
active cathartic and after
discovering his mistake in
supposing that he was only
a little bilious he sends for



the doctor. We then find him with a furrowed tongue, dull frontal headache, aching in back and limbs, great debility, but at this stage very quiet.

The symptoms at this stage resemble those of Typhus from disease enteric fever has lately been distinguished

Prof. Hood has the credit of calling the attention of the medical world to the enteric complications and features of what we now know as typhoid fever

Da Costa shows that typhoid fever may be confounded

at its beginning with General debility, Typhoid conditions Enteritis Peritonitis Theningitis and acute Pulmonary affections

Now I will try to say how I would reason upon a case before me in diagnosing between Typhoid fever & each of these several conditions

General Debility. Has the attack been weeks or days in progress? Are you much more prostrated to day than yesterday? Are you mentally confused? Are the bowels loose? Is there tenderness over the abdomen? or can we find small red

Spots resembling Fleabites on
the abdomen? If the nervous
system has shown sudden
depression? (If all the
direct questions are answered)
affirmatively — the case is
not General Debility.

But is it only a Typhoid
condition? Now there are
many cases in practice called
Typhoid fever which have
nothing in common with
genuine enteric fever except
its continuance into the
third or fourth week.

Typhoid fever is a convenient
name to call a protracted

disease and is one frequently used
for its convenience, but the physician
however willing he may be to
satisfy the friends by a direct
answer to the question "What
is the matter?" feels it his duty
to himself & to his patient to
measure the condition before
him.

Have we other symptoms
beside vital depression?

Has he been suffering with
some other disease that has
undermined his vitality?

Has he diarrhoea, lymphangitis,
epistaxis, an eruption, and
special manifestations of disturbance

of the nervous system? Now all these symptoms bear no direct relation to adynamia, & thus serve as valuable distinctive marks.

Here too we may examine the urine, and the temperature also bears some testimony.

If there is in the first week a difference of 1 to 2 degrees in the temperature between morning and evening, & 2 to 3 degrees in the second week with 3 to 4 degree difference in the third week, it is not symptomatic of a simple Typhoid condition.

Then is it Enteritis? Now an

enteritis the abdominal condition is the disease; in Typhoid fever the abdominal tenderness, diarrhoea & flatulence are only symptoms which in addition to the slowness of the attack, the confusion of the mental coordination, the eruption, & epistaxis, only help to make up a diagnosis.

Peritonitis: Now what I have already said upon Enteritis is applicable also to Peritonitis; we have Enteritis generally & Peritonitis frequently with Typhoid fever, but we never have

Typhoid fever as a symptom
of Enteritis, & Peritonitis, but these
diseases when coming alone
are generally much more
prominent than when only
symptoms of Typhoid fever.

Meningitis — is a disease of
the brain Typhoid fever is
a disease of the whole system
involving the brain

When there is
Meningeal inflammation there
is greater violence of the brain,
symptoms & absence of the
abdominal & cutaneous
symptoms.

Acute Pulmonary Affections
I must confess that I can not
see why Dr Costa should mention
acute Pulmonary Affections as
likely to be mistaken for Typhoid
fever; There is in a large majority of
cases of the fever, a cough, depend-
ent upon an affection of the
bronchial tubes. But the
bronchial inflammation is of
a much more moderate
type than that in acute
Bronchitis; sometimes too in
Typhoid fever the blood gravitates
to the most dependent parts of
the lungs and the resonance
over the lower lobes is impaired.

But there is a vast difference between this & the congestion of Pneumonia.

Even if we do not take the other symptoms into consideration, I think we could discover the difference between the excessive action of the Pneumonic fever and the slow burning of Typhoid.

Moreover in Pneumonia, there excessive pain, not always present, but generally enough to be distinctive whereas in Typhoid fever we seldom if ever have pain & difficult respiration & when the first week has passed in Pneumonia

Bred hepatication occurs the rusty-colored sputum would scarcely be called cordis.

But here I suppose the fact so often stated by practitioners of experience; that diseases so often run into each other, that is cases are so apt to take a medium course in disregard of textbook descriptions and the embarrassment of young doctors may be applied as a reason for calling our attention to the diagnostic differences between acute pulmonary affections & Typhoid fever

If so there would be some

trouble in my diagnosing Typhoid fever from Typhus. Only a few years ago eminent physicians considered both the same disease, but claimed that what we now call Typhoid fevers were cases of Typhus which presented abdominal symptoms to excess while in the remainder of cases the cerebral symptoms predominate.

Typhus fever very rarely occurs sporadically. It is a highly contagious disease almost always met with in an epidemic form, & generally, among those whose systems are

depressed or blood impoverished.

The eye in typhus is much inflamed
the bowels instead of being susceptible
to the action of cathartics are from
the beginning constipated &
there is a vast difference in the
description of the eruption from
the eruption of Typhoid

So that Typhus is from extravasation
of blood into the capillaries of
the skin, called Spotted fever

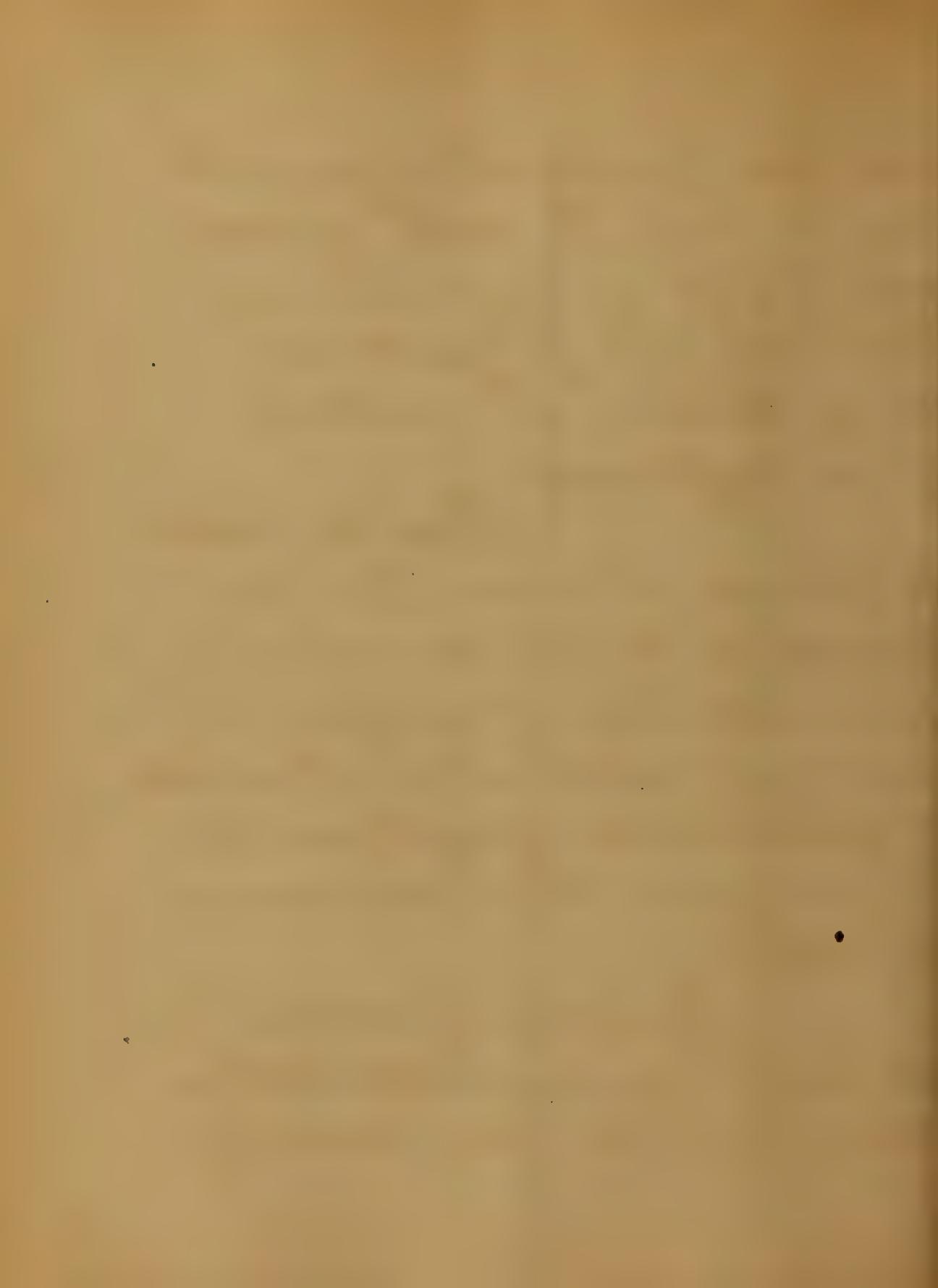
The attack of Typhus is
generally sudden while that
of Typhoid is generally insidious

The duration of Typhoid is
generally several weeks while that
of Typhus is somewhat shorter

not often prolonged beyond the second week for death is most apt to step in before this and discharge the physician, and relieve the patient of his sufferings

But the greatest difference between the two diseases and that on which I rest most hope of making a proper diagnosis, is, the prominence of abdominal symptoms in the one and their absence in the other

Typhoid is essentially an enteric fever, for Post Mortem examination has revealed



the morbid state of the glands of Peyer, the enlargement of the mesenteric glands, ulceration of mucous coat of the intestines &c while in Typhus there are no constant Post mortem appearances.

The points of contrast as above stated are so manifest that it seems impossible to mistake the one for the other.

But when I come to remember it is possible to have diarrhoea in Typhus. and constipation in Typhoid & the eruption may be curiously mixed. I tremble at the prospect of being called

upon to pronounce but hope
to be able to depend more upon
conditions than names and
thereby make the proper applica-
tions of remedial agents.

Having now dwelt
at some length upon the
diagnosis we will speak of the
causes:

The conscientious practitioner
wishes always when possible to
discover the cause of disease, that
not only by its removal the
effects may cease and better
the chances of saving his
patient, but, that society may be
protected from the ravages of man's

greatest enemy

Many theories exist, relative to the cause of Typhoid. Some make the cause identical with those producing Typhus. But it would seem reasonable that a given cause or Malusius Morbi acting upon like constitutions would produce like results, and if there is not something in the subject determining the disease to the abdomen, when the effects of crowd and bad ventilation produces illness. Typhus would always be the result.

But we find Typhoid

in the open country as well
as in the crowded city in the
palatial residence as well
as the dark cellar, (sporadically,
and in epidemic

He must conclude
then that whenever the
system becomes vivified
from any cause and the
morbid poison is taken
from decaying animal or
vegetable matter the disease
will appear

The writer knew of a
case that was doubtless produced
by inhaling the vapor or odor
arising from rotting potatoes

The Anatomical lessons of this malady have been most closely studied as bearing on the controverted questions of its nature and pathology.

"There is scarcely a single organ of the body" says Prof. Wood "in which signs of inflammation are not sometimes found after death from Enteric Fever."

The brain we would expect to find more or less engorged or injected with blood. The lung would be more or less engorged especially in those protracted cases having more

of a typhus cast.

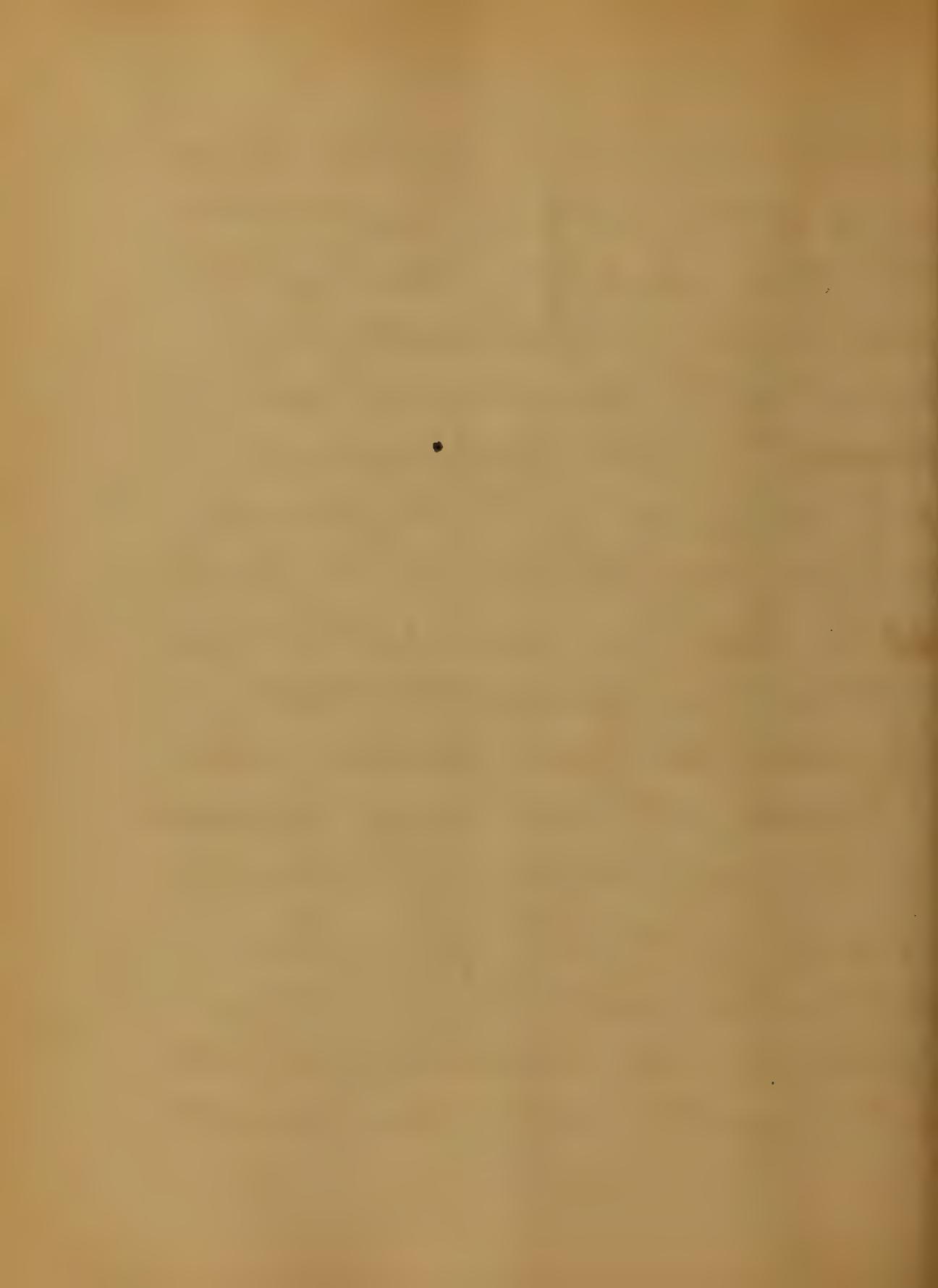
Wickson says "The heart is usually softened and flabby; the blood is dark and not prompt to coagulate and much fibrinated.

Flint says "The internal surface of the Stomach" in a case described by him "presented several patches ecchymosis and there were in others punctured redness.

But it is to the small intestine we look for the lesion alleged as peculiar characteristic and diagnostic of this form of fever.

This consists in an affection of the elliptical patches of aggregated mucous follicles in the丈膜

denominated the glands of Peyer.
It is said by some investigators
that these patches become first
prominent & thickened; they
are elevated somewhat and
beneath in the submucous
cellular tissue will be found
a layer of yellowish white smooth
matter as firm when cut as cheese.
This is what Speculators call
"Typhosis" or Typhus deposit of Vogel.
Whether this last is only Typhosis
or not I can not say sufficiently for
us is the fact that destructive
ulceration takes place in some
cases and is threatened in all
and should be kept in mind.

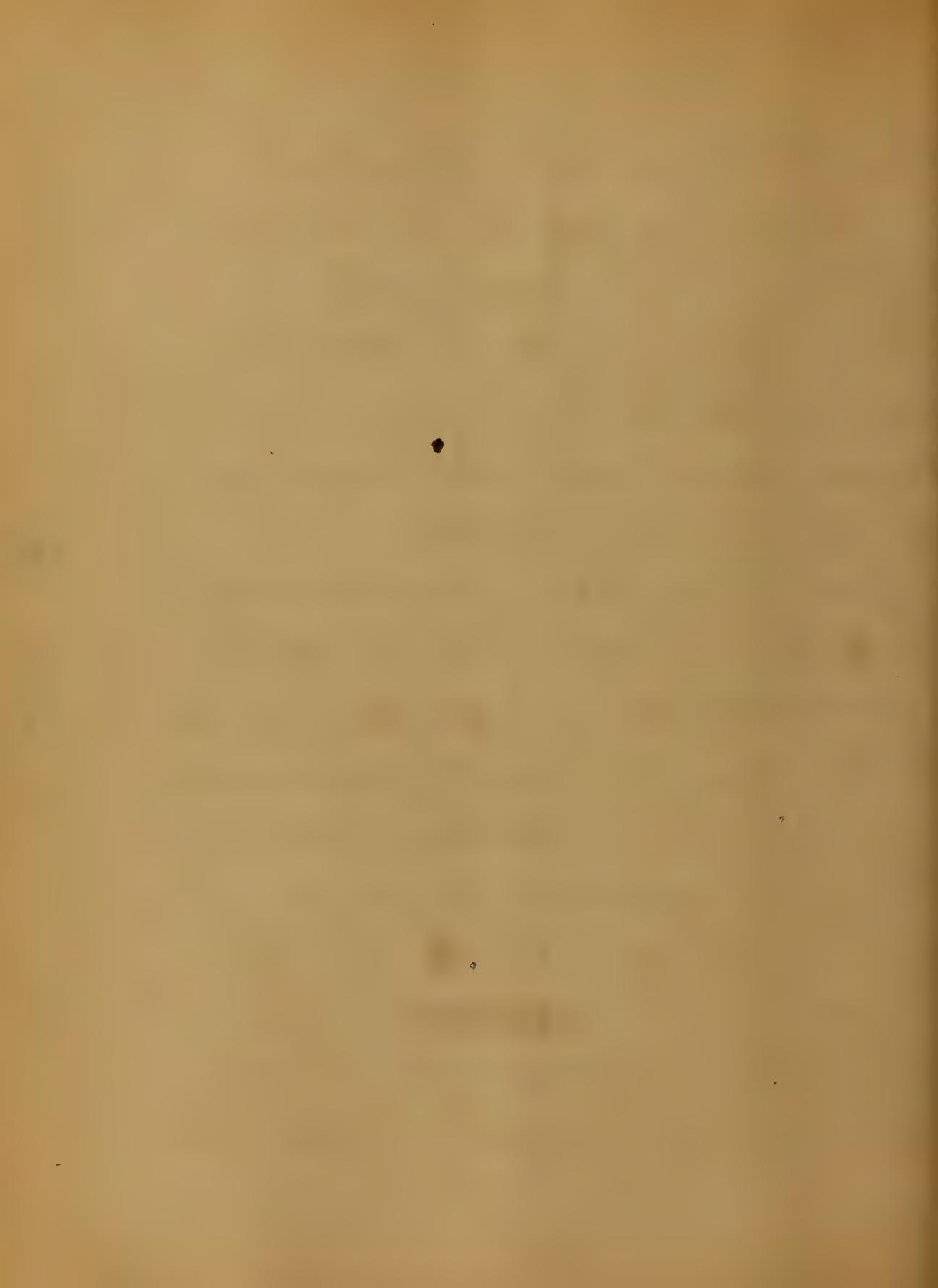


from the onset of the attack?

This brings us to the consideration of the treatment.

Those who have paid strictest attention to the pathology of this disease advise us to abstain from all active medication.

Wickson of Phila speaks of cutting short the disease with emetics and cathartics, but judging from the evidence of more prominent men he has mistaken something else for enteric fever or he hasn't cut short the life as well as the disease of his patient. It is a disease that has to be guided to a favorable termination



if possible. If diarrhoea commences early no cathartie is indicated but generally 1 gr of blue mass followed by tea spoonful oil begins the treatment. Then 1/2 gr blue mass & 1/2 gr Specac. frequently enough to clear the complexion during the first few days will prove of advantage.

I think I would give Spt. Nit. Ether. frequently whenever there was much heat of skin and if bowels sufficiently loose, would give moderate dose of Pulv. Specac. Comp. at bed time ~~each~~ night. Thus I would treat along.

on the expectant plan watching always for the dry cracked appearance of the tongue, which about the middle of second week announces the beginning of enteric ulcerations and calls for turpentine which I would give in mucilage of gum Arabic in quantities to suit indications

Many Authorities advise the administration of acids these with or without quinia will form a part of the treatment of nearly all cases at some time of its

duration

Support is sometimes demanded early in the attack and from the long strain upon the vital energies I would think it best to keep up strength as much as prudent but all these considerations must be modified by the circumstances of each individual case

F. P. Cohen

1881

A Thesis
On
Typhoid Fever
Submitted in
particular
to the
Faculty of Medicine
of the
University of Maryland
by
R. H. Den
Cumberland
Md.
1881

Typhoid Fever.

In accordance with the
requirement of the College
for the degree of Doctor of Medi-
cine at the University of Mary-
land School of Medicine,
I will endeavor to write an
Essay on Typhoid fever.

This disease in past medical
literature has a great variety
of names. Other names than
typhoid, at the present day,
are eilemic and pythoemic
fever, the former relating refer-
ence to the characteristic intes-
tinal lesions and the latter
to its supposed causation con-
nected with putrescent matter.

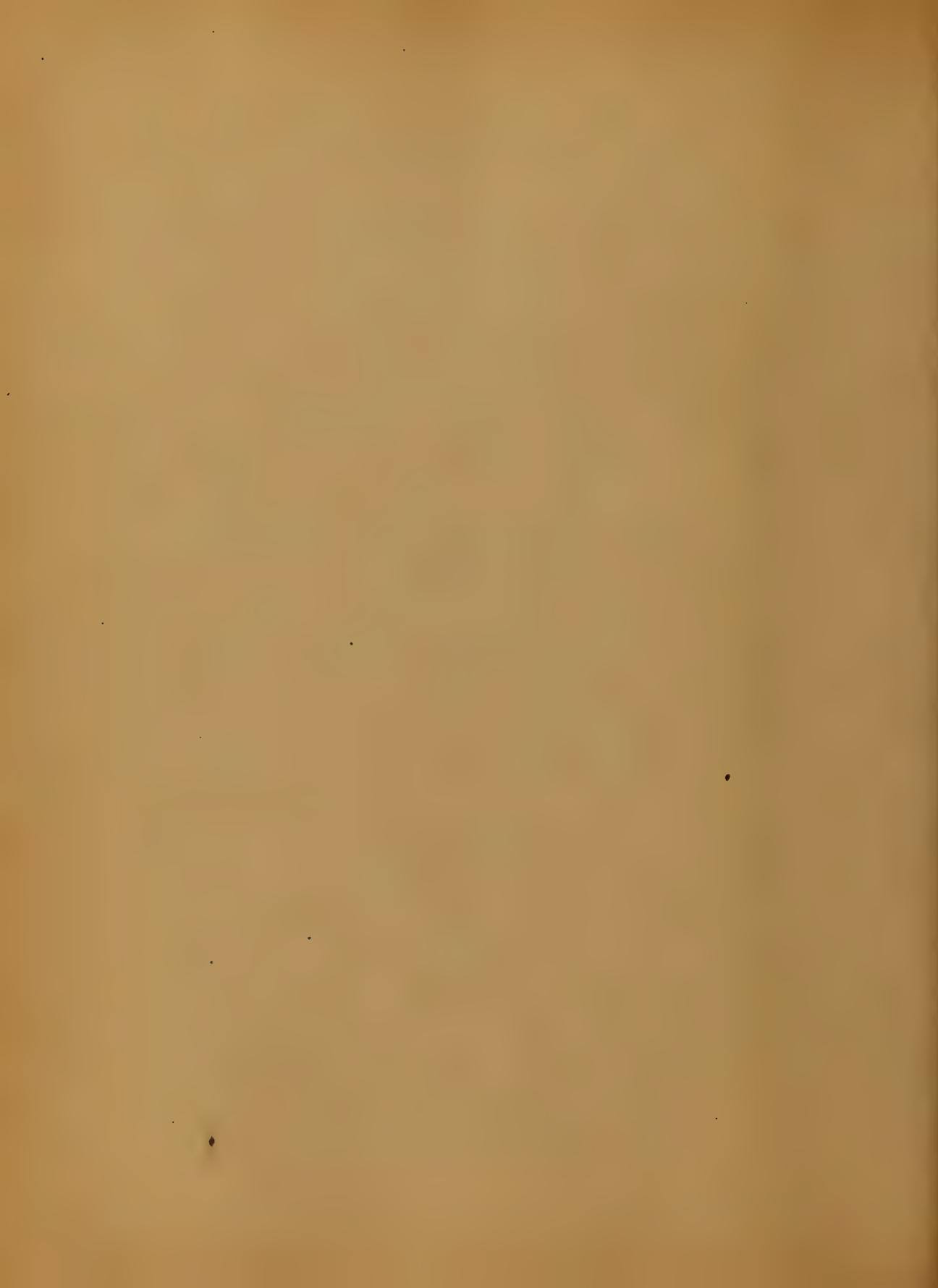
By some writers it is believed
according to Lippman, that nerves
and blood-vessels continue to fever;
but I suppose the name of
Lippman, although it appears frequently,
will probably continue in use
for time immemorial. Their
appears to be no evidence given
as to the first of the following
in regard to the value of the disease
now under consideration.

However I will not enter into
a discussion as to the suitability
of a name, but I do
propose to the most interesting
topic of my subject.

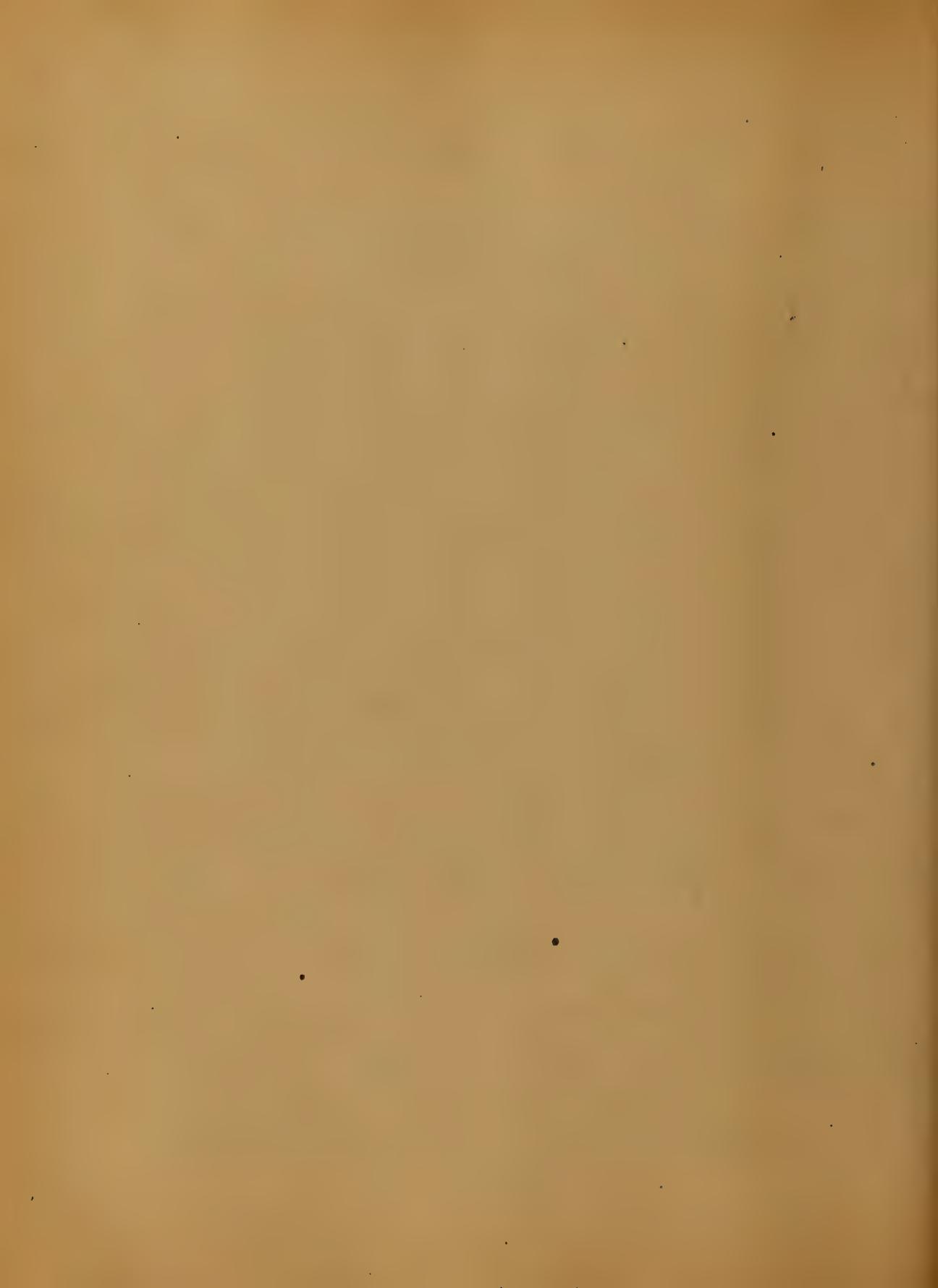
The disease of which I propose

Chevre, is a feverish disorder
characterized by a violent, dry
affection of the air-passages
and similar glands of the
intestines, gastric irritation,
disturbance, and a peculiar
cuticular rose-colored rash.
It is generally of a endemic
kind, but may occasionally
take the form of a genuine
epidemic. It seems to have no
special connection with poor,
overcrowding, badly ventilated
houses, but seems to attack
the denizens of town and
country, rich or poor, with
singular impartiality;

Sex is either signs a
child or young person
age of fifteen to twenty six
years, and such were likely to
it. No two of me adult
age, nor do I see to
exist as to the cause of typho-
nus. I suppose they any
other common disorder, if it
will occur in the entire
absence of all known or
supposed known causes.
No locality is it, all
climate avoid it; from the
Arctic regions to those border-
ing upon the tropics, from
the Atlantic to the Pacific ocean.

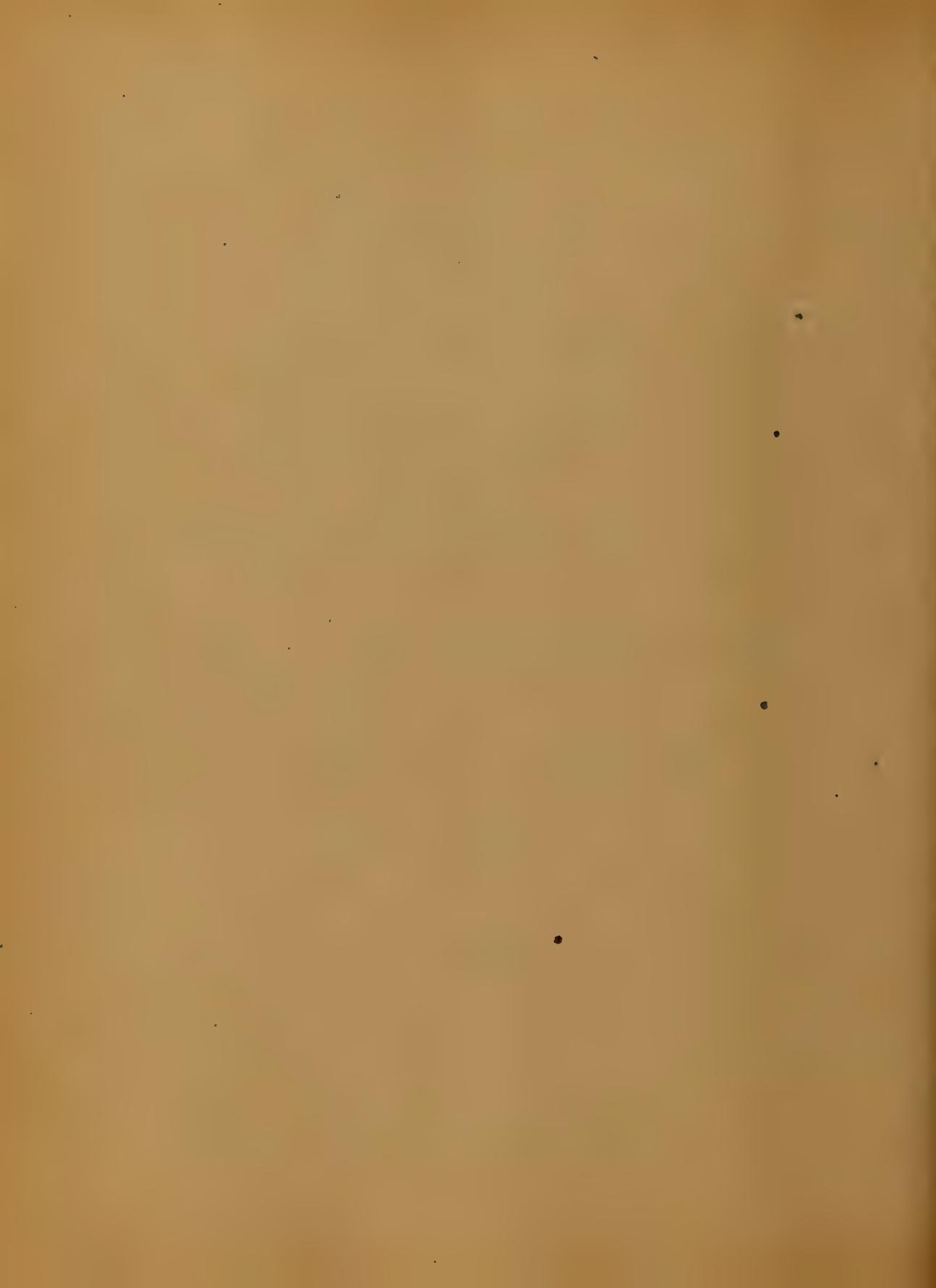


The "scarlatinal fever" of the
mud-skin in the far west was
found in the autopsies made
by Dr. Hare and by present
the lesions of the spleen
and other mesenteric glands.
I shall not attempt to give the
cause or causes of scarlatinal
fever, since the most learned
and experienced of the pro-
fession differ so widely
in their opinion concerning
its true cause; although I
must confess I am
strongly inclined to the opin-
ion that ill causation gen-
erally depends on a morbid



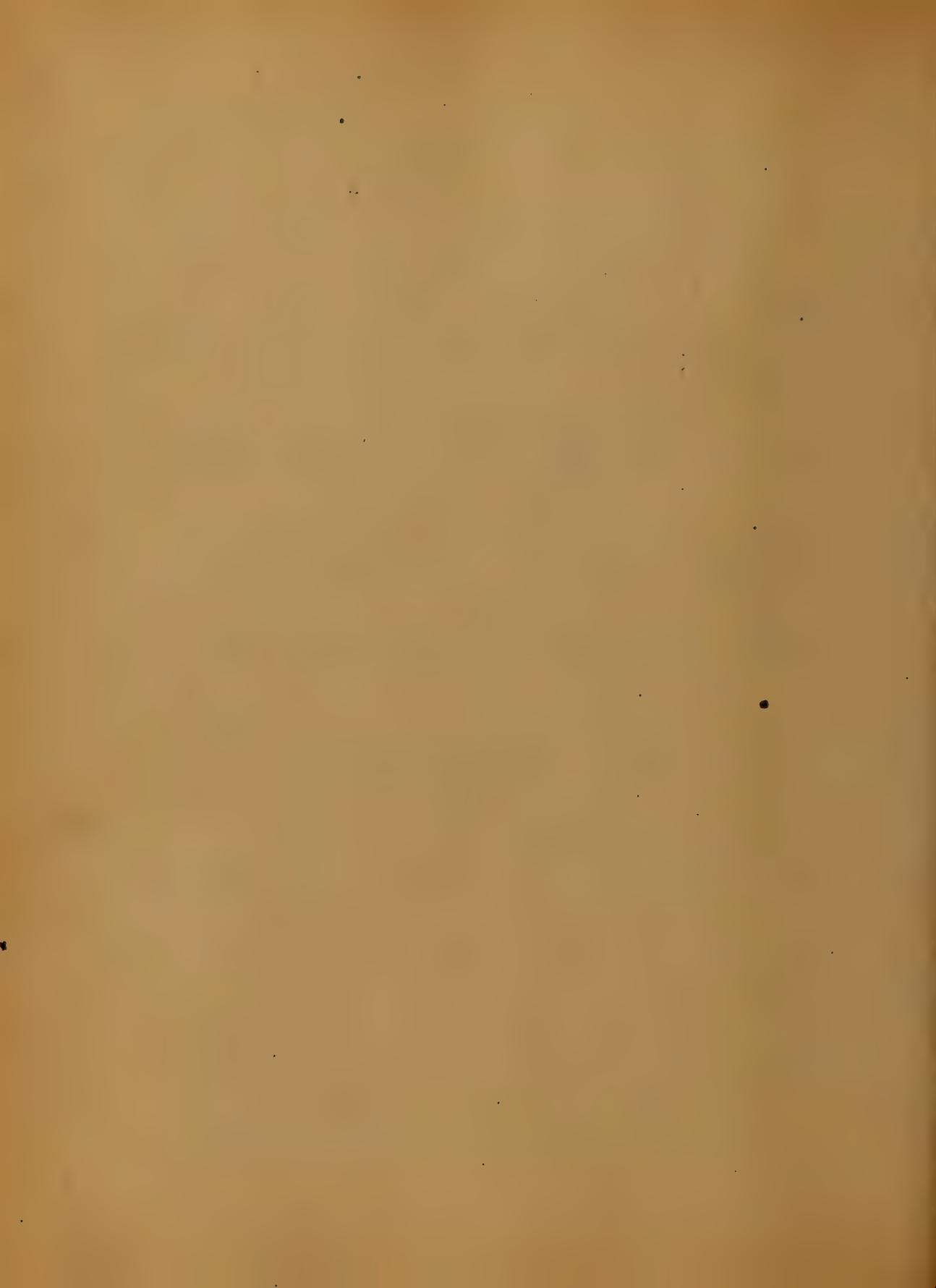
age & derived from human
fecal excrement, which in
some way conta in at the
water used for drinking
purposes or other articles of
food, or by feline gases which
escaped from cesspools, dexter
ive drains &c.

Prof. Richard McHenry, M.D.,
in his valuable work, "Health
and how to protect it," in
speaking of sewage and cess-
pools, says, "There can be no
doubt as to the pernicious
influence of the containing
liquor." And in a still
place he says, "Rags & other



and can now be made to
incur it, and contracted a
form of continuo fever with
with a tenie disease and attack
upon a being exposed to it
are liable to typhoid or en-
emie fever". But my former
preceptor Dr. W. F. Fraige,
does not believe in the above
for it is a article which ap-
peared in the Medical and
Surgical Reporter of Phila.
vol. XLII, No. V, he says, "I have
no faith in the newer gas
theory etc".

It is to . The course and
the form of the disease is often



not easily detected with
precision. At first, it is noticed
in by a chill, and frequently,
however, it comes on slow
and insidiously, and increases
gradually, so that it is often
impossible to fix the precise
time of its commencement.
The first symptoms are
slight, and gradually increase,
the patient taking to
the bed in from five to ten
days. Symptoms prior to
going to bed are, anorexia,
nausea, epigastralgia. Chief
sensations, lassitude of the
body, weariness and general

malaise. Epistaxis is rare, &
in about three fourths of the
cases, which when accompanied
with a bronchitis, cough
are almost pathognomonic
symptoms. During the first
eight or ten days of convalescence
rest to the bed, the patient
complains chiefly of head
ache, sleeplessness, and
lassitude. Diarrhea is
more or less prominent, and
the stools have a greenish
or brownish color. The abdo-
men is tender, and yields
a tympanitic resonance on
percussion. Tenderness on

plesure in the right iliac
region, and gurgling is often
heard on pressure. The spleen
is generally found enlarged
on percutting, & is susceptible
to an enormous size.

The flesh of the face is of
a purplish tint, often covered
a dusky hue of the complexion
with a heaviness or
dullness of expression which
is very striking in some
instances, in others but
slight. The pulse is increas-
ed in frequency, and sometimes
somewhat quickly, or even
doubled and fibrillated in other

cases especially if once it
is frequent and thready,
beating from one hundred
and ten to one hundred and
twelve per minute. The
temperature rises gradually
evening at the end of the
first week 103° or 104° in the
evening, & drops one to
two degrees lower in the
morning. An attack of disease
in which on the first or sec-
ond day the temperature is
found to be 105° is not to be said
fever; the same applies if
from the fifth to the tenth
day the temperature falls

below 103° in the axilla.
The manometer does not
necessarily fail and the sharp
rise of the peritoneum is not
a sure sign of perforation.
At the end of two or three
hours if often noted when
 103° is always favorable. If
remained at 104° to 106° the
case is a doubtful one.
Sudden increase of the pera-
tone indicates secondary
water complication - as
peritonitis. Peritonitis may
cause the temperature to fall.
At the beginning of the second

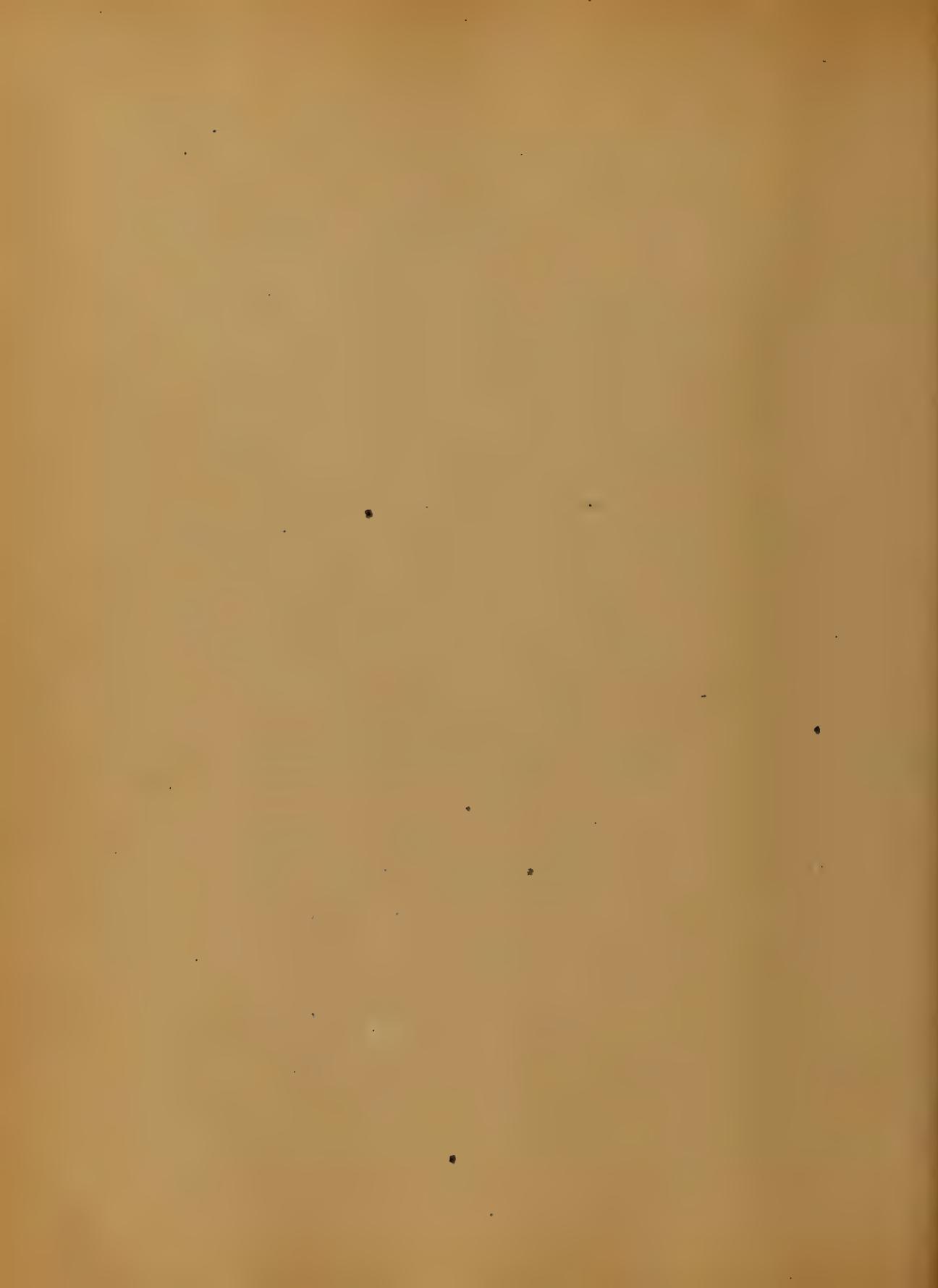
over the nose and left
ear-spots (Jaunes nowes) is
apparent, growing few in
number, but may be no spot
mostly seen on the adder,
but may press to the back.
The spot near the tail dis-
appearing or present, depend-
ing whether they are from
half a line to about one
half in diameter. The pati-
ent lies down, perhaps
muttering, at a distance of
day, but if you go too near
and distress him at night, he is
easily aroused, creeping again
into semi-concealment. Tell your

in most cases it coated with
a moist fur, but another coated
or incrustated with a dry
and powdery crust or
fissures, mostly transverse,
and the edges are edulated.
The pupils are generally
dilated. The abdominal
symptoms continue, and are
more marked than during
the first week. Soreness is often
located on the teeth and
if not there occurs on the lips.
The urine throughout the
attack, is extremely scanty,
high-colored excretions
like a cloud of urea, effervescent

in the cecidies or a some
times contains albumen
in severe cases, or a rise of
a non-specific gravity.
Retention of the urine may
take place, although there
is a constant dribbling; or it
may be passed with the feces.
Evacuation in the bed, not
from paralysis of the sphinc-
ters, but from a differenc.
The stupor over this time
is more marked. Subsidiary
le disease - passing about the
bed clothes, a. dipping at
visible objects in the air are
frequent and common.

syph. ... Imperception
are common, & the patient
asks for nothing but ease
to complain of pain, &
one not able plies to get
out of bed, lies on the back
constantly, without any desire
for change of position. This
should be proceeded in by
nurse changing the position
of the patient frequently so
as to prevent the formation
of bed sores, which is apt to
form, owing to the constant
pressure upon the part.
The frequency of the cases
is in proportion to the gravity

of the nose. It is evident that
vision, a sensitive, delicate
to the touch. Proprioception
comes to action, giving us an
diminished perception of the
power. This may often be
due to the end of his service
career. The nose comes out
so during the course course
of his studies, the diminished
perception, the tongue does
not come out, and is often
protruded slightly, a condition
protruded the finger. I do
not withdraw it with the regular
stroke, or draw it back to the
scutellum of the tongue in any

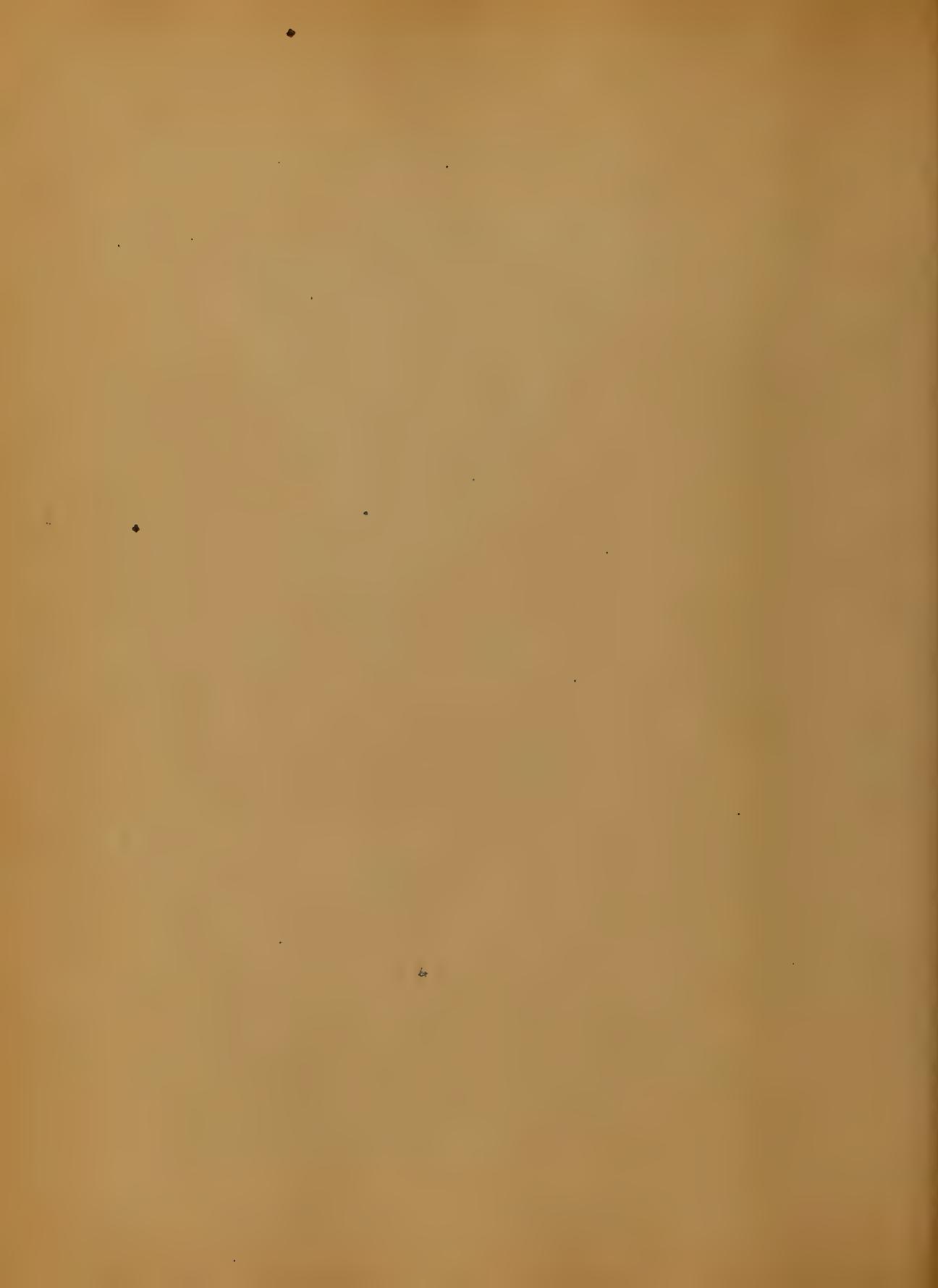


be thrown off, leaving the
surface smooth & even, so
as to admit of its being
easily done for resection.

There will be a
useful time & measure
for referring his chief
upon the nature of his &
peculiarities of the disease -
such as diarrhoea, & pro-
trusion of the rectum, enyli-
nula, etc., &c. and
medical relations, marriage,
marriages & deaths, relation
of wife, etc., all of which
would afford a valuable history
more disease than 300.



are caused to do so by
men or women from the same
diseases to the severity of the
disease. This was observed
every time they were performed
with electricity. They called
however to be detected
by their more vivid colors
and the most striking
across the surface. They
appear to be caused by an
excessive action of the body
upon the skin. They do
not disappear on pressure
and are similar to those
of other species, though they may
be called to different disorders.



appearing generally from
the seventh to the twentieth
day, they are now so infi-
nitely numerous in the water,
sometimes larger, floating
above the surface. They dis-
appear at sunset or at
reappear as soon as the
presence is removed. They
generally appear first in
the water, extending
afterwards to different parts
of the bed, they are scattered
about the bottom day after
day alone and are replaced
by others. The duration
of this disease is variable but



comes off cracked. Such
maturing occurs as early
as the seventh or ninth day
at other times during the
second, third and a late
seventh week. The rind
is ever variable, but it is
generally set in about the
twenty first day, but some
time as late as the fifth or
sixth week, and again we
may have cracking
early as the seventh or four
teenth day, but on an
average I find it takes
about the twenty first
day.

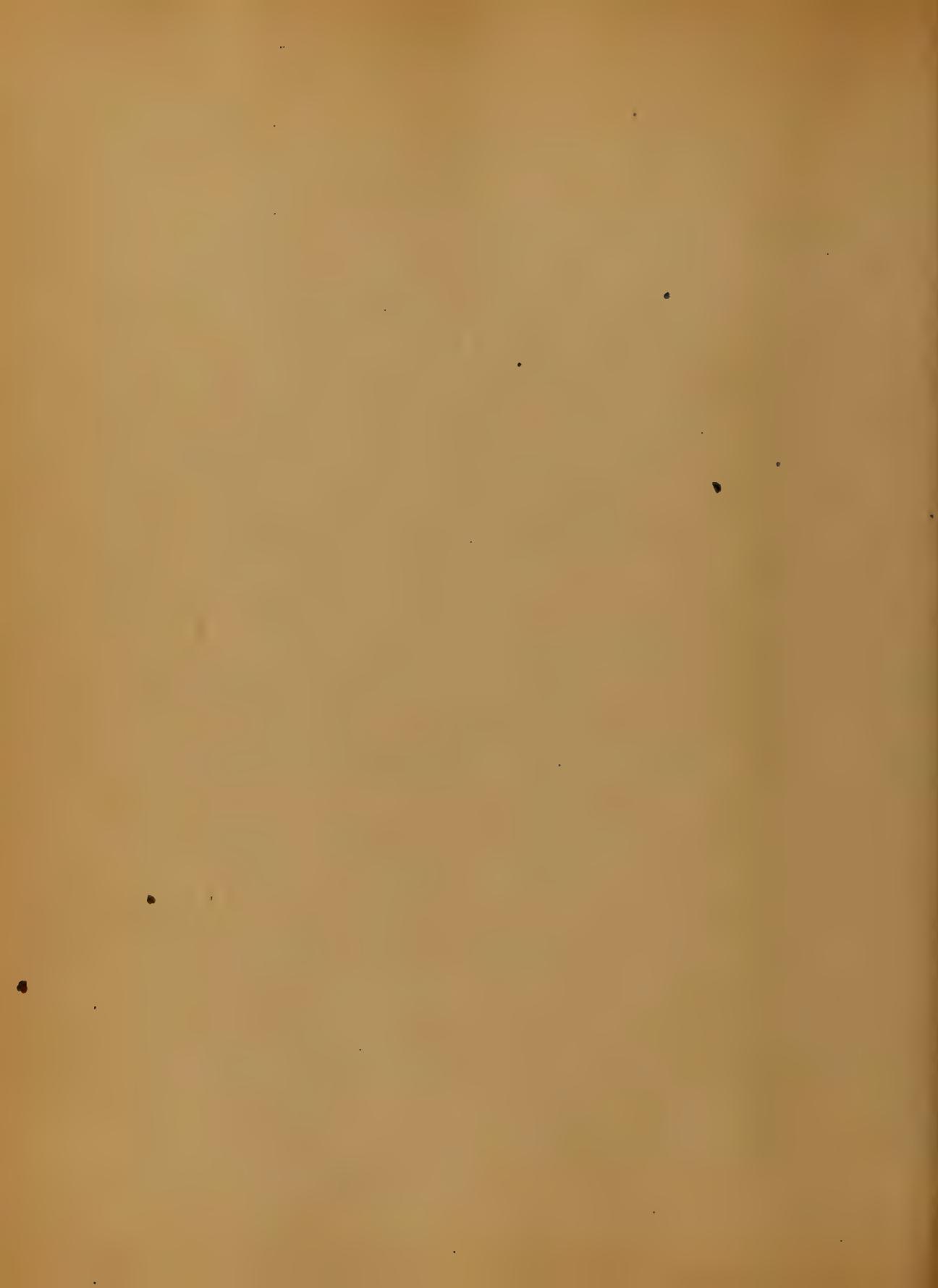
The question of the
causation of peritonitis
is the most frequent,
although it has been denied
by some writers that true
peritonitis, anything
more than a simple contami-
nation, occurs in these cases.

A fluctuation of the skin
may suggest typhoid,
but it is not common. A bilious
and watery discharge, profusion
of the bowels with peritonitis,
which is often enough the
case especially when the
inflammation is general.

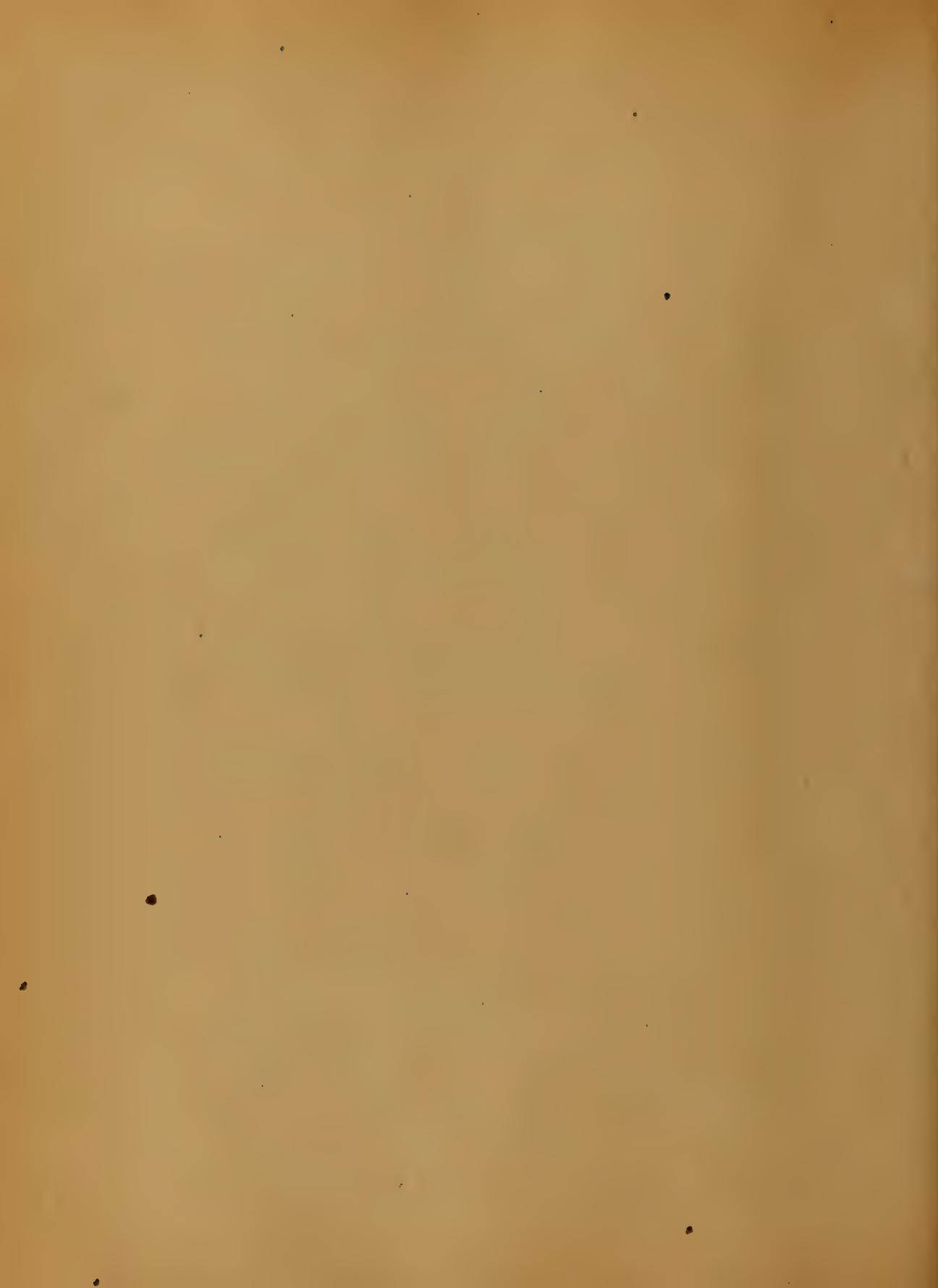
Scorbutus. — The mental
faculties are often dis-

is yielded you a considerable time. Increased debility or a very slow convalescence is common. Paroxysms are occasional visits. Periodically, followed by redness of the front tibia, or no exuvia, happen, but is very uncommon.

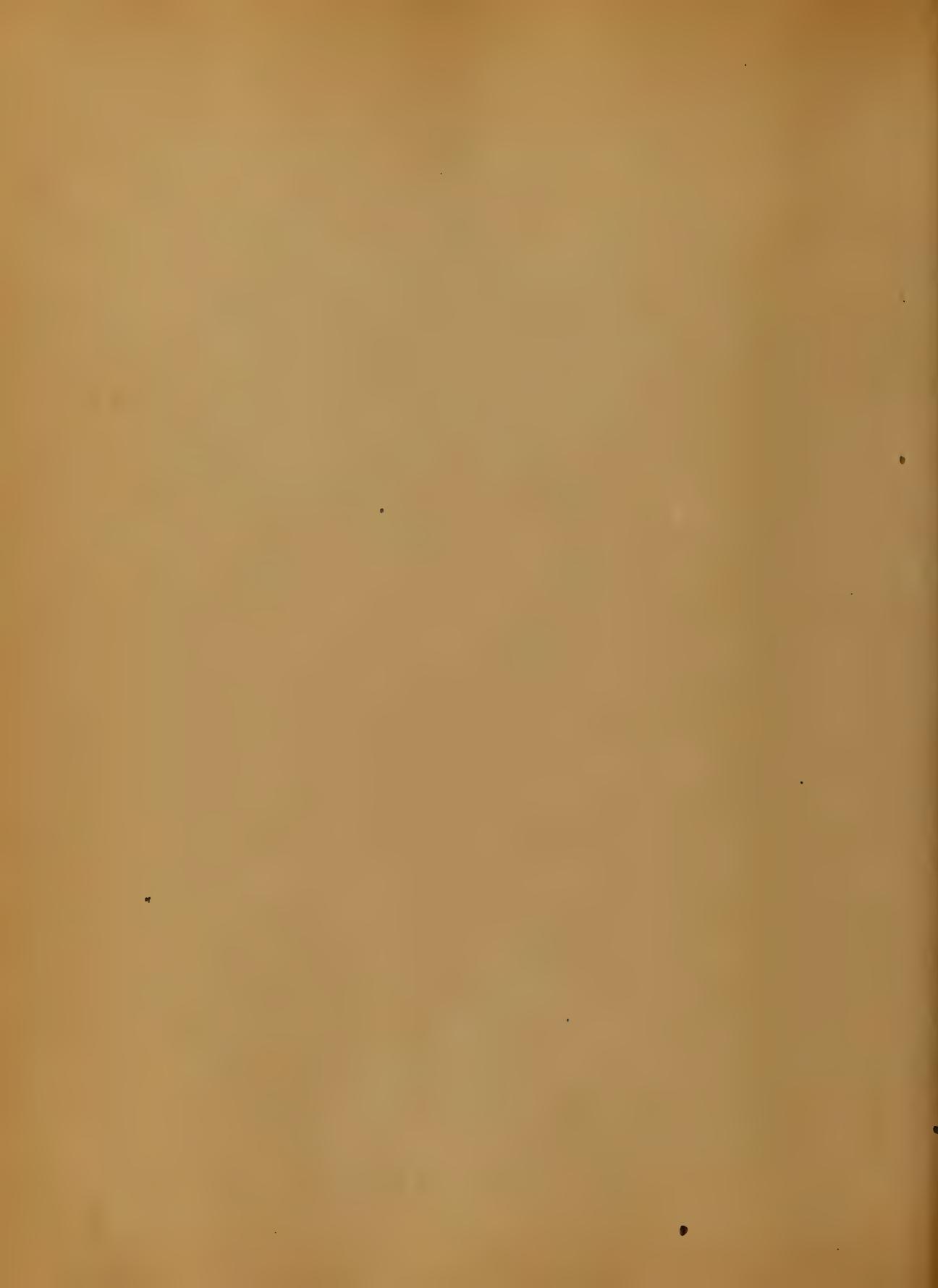
Muricid & alacry. Typhoid fever is always attended with a marked increase of the size of the lymphatic glands, especially those of Peyer in the small intestine, and the mesenteric glands in direct relation.



with them, & at the age of 40
which is generally too
young enlarged. These lesions
consist of a collection
simulating a cavity of the
old dental caries, the nature
of which the organ undergoes
rapid enlargement, and
then either slowly subsides
returning to their normal
condition, or undergo soft
ening or suppuration, necro-
rosis or gangrene. Such a
marked process appears to
begin with the first symp-
toms of the patient's disease,
but even then it may be



found well advanced in
those who have died during
the first few days. The
intestinal bleeding is in
many cases limited almost
entirely to the glands of
which sometimes as two or
three only, stand out as the
whole number are involved.
The glands at first thick-
ened and become elevated
from one to three lines
above the integument around
them. They are at first
reddened; but with a variable
depth of necrosis after this a
sort of induration occurs;



in other instances, especially
and quickly ulceration
affects many, though not
all of the affected organs.
Perforation of the intestine
may follow, especially in
older men which have
already perforated the inner
cervical wall. Healing of the
wound by granulation is
the general result.

Prof. Niemeyer, in his work
on "Practical Medicine", below
page 581, in speaking of
the cicatrization of typhus
wounds says, "They require a
strictance of the intestine,

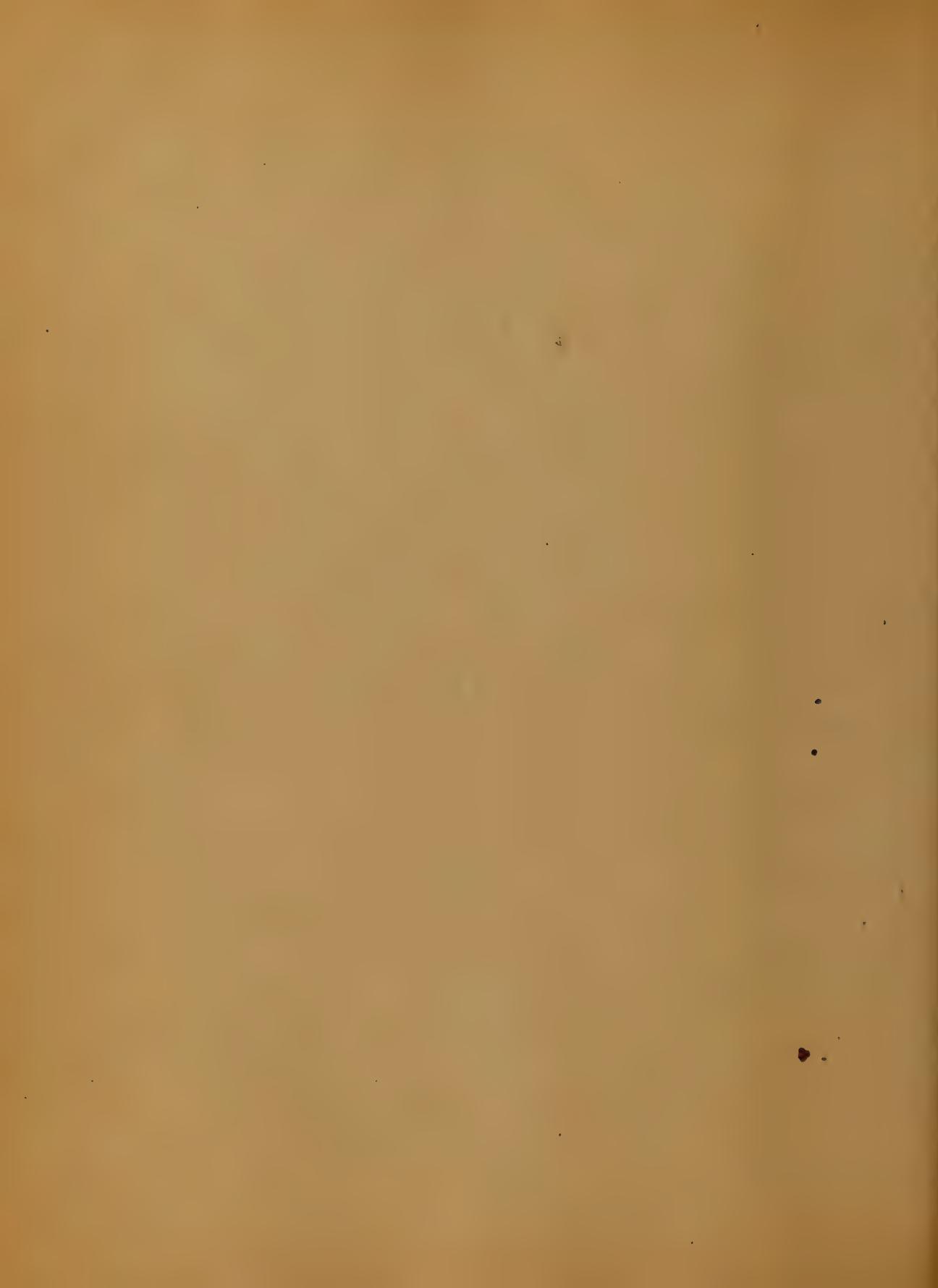
and as the cancer near the mesenteric glands becomes
more mortal. Life, & is often
reduced to a small, thin, mole-
gra, which may also be
cancerous and subject
to *carcinoma*.

Whether these morbid processes
be confined to the associated
glands or involve the sebaceous
glands as well, is a very
most extensive and most
advanced in the disease
immediately above the se-
baceous offices, where it gradually
and distinctly upwards.
The sebaceous glands are

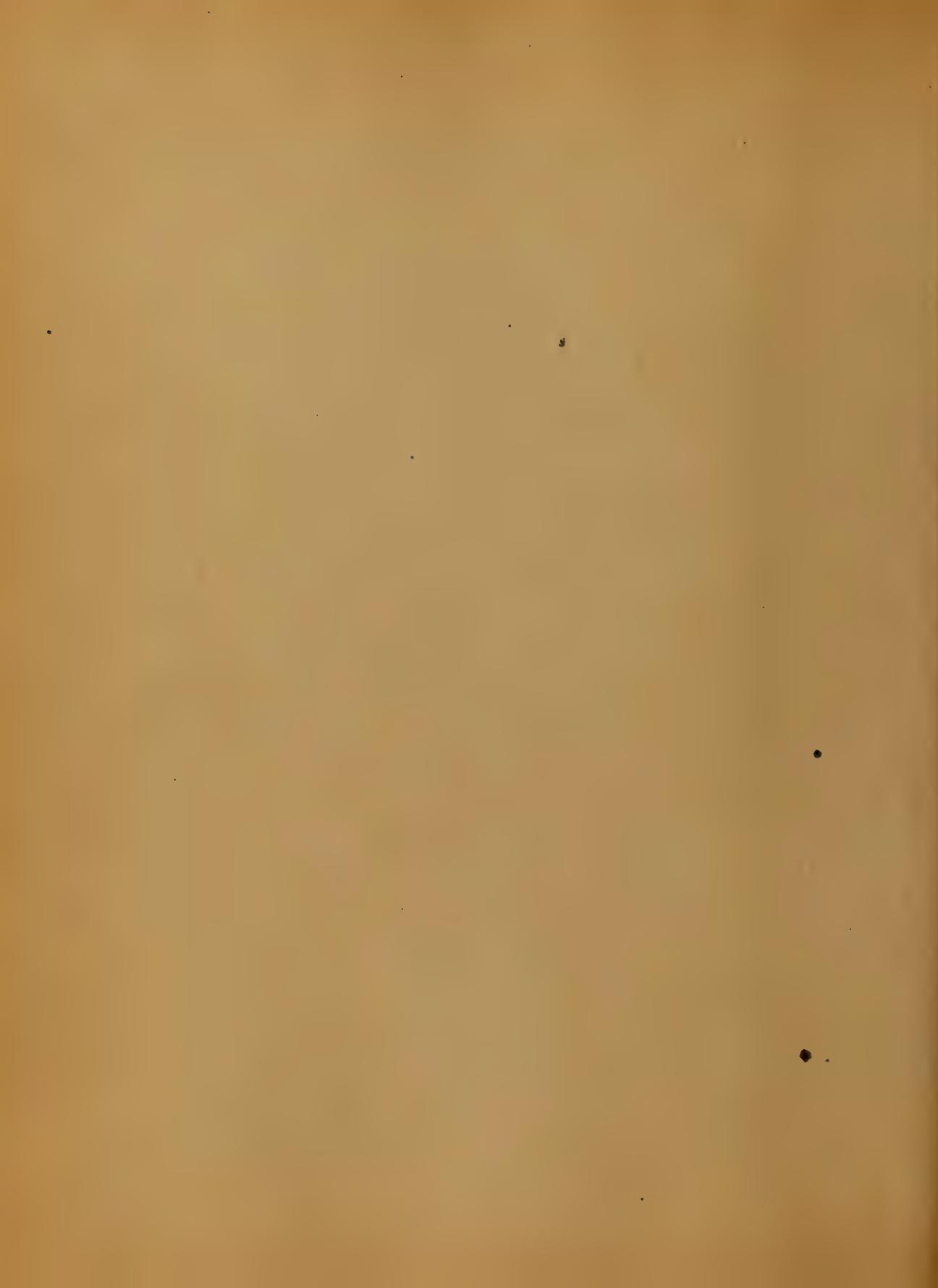
effected to a greater distance
than two or three feet above
the caecum. Perforation may
occur the lower end of the ileum.
The disease is usually in the sero-
tun of the large intestine in
about one third of the cases,
and is always most advanced
in the caecum, rarely extending
below the ascending colon.
Perforation occurs in the great
majority of cases in the lower
two feet of the ileum; but is
occasionally met with much
higher up. It rarely occurs in
the caecal appendage or in
the caecum. The perforation

of the intestine occurs & effects
smaller escape into the rectal
cavity, peritonitis is the result,
which is almost always fatal.
The spleen is enlarged and
congested, and when hepatic
diseases during the exacerbation
stage of the disease, the coils
of the bowels are generally
found to be something like
peasings, and the large intes-
tines inflated with gas.
Most other lesions in epidemic
fever, such as bronchitis,
pneumonia and septicæg have
no specific character and
need no description.

Treatment &c - We wish to
suppose, as we may do, the
causation of typhoid fever,
it would be evident that
it is a preventable disease, and
it therefore becomes our
duty, nor is it difficult, to
adopt suitable precautions
measures against the conta-
mination of water and air
of house air, and against the
exposure of persons breathing
air containing effluvia from
decomposing human feces
excrements and especially
those exuding from typhoid
patients. Such evacuations



Should it ever be desired
with Salicin acid in proportion
of one part to four parts of
water, by the side of this no
objection can be urged that the
iron or chloride of lime is
a good substitute, and both
of which possess the advantage
of being more easily solv-
able in water or liquid
fluid. This is in reality
would answer a much better
purpose than many of the
disinfectants which are gen-
erally used and which may
injure the fetus, as will
often be perceived the abo-



-operative or the one to be
carried out by a free supply
of air, which the earth
will exert to scavenge it.
Clothing and articles used
by the defecator should
be disinfected, or covered.
Water-closets and drains
should be kept clean, well
flashed and ventilated,
and all communication
between them and the inter-
ior of the house cut off.
Pivies should be so situ-
ated, in relation to the water-
spouts, or streams from
which water is obtained,

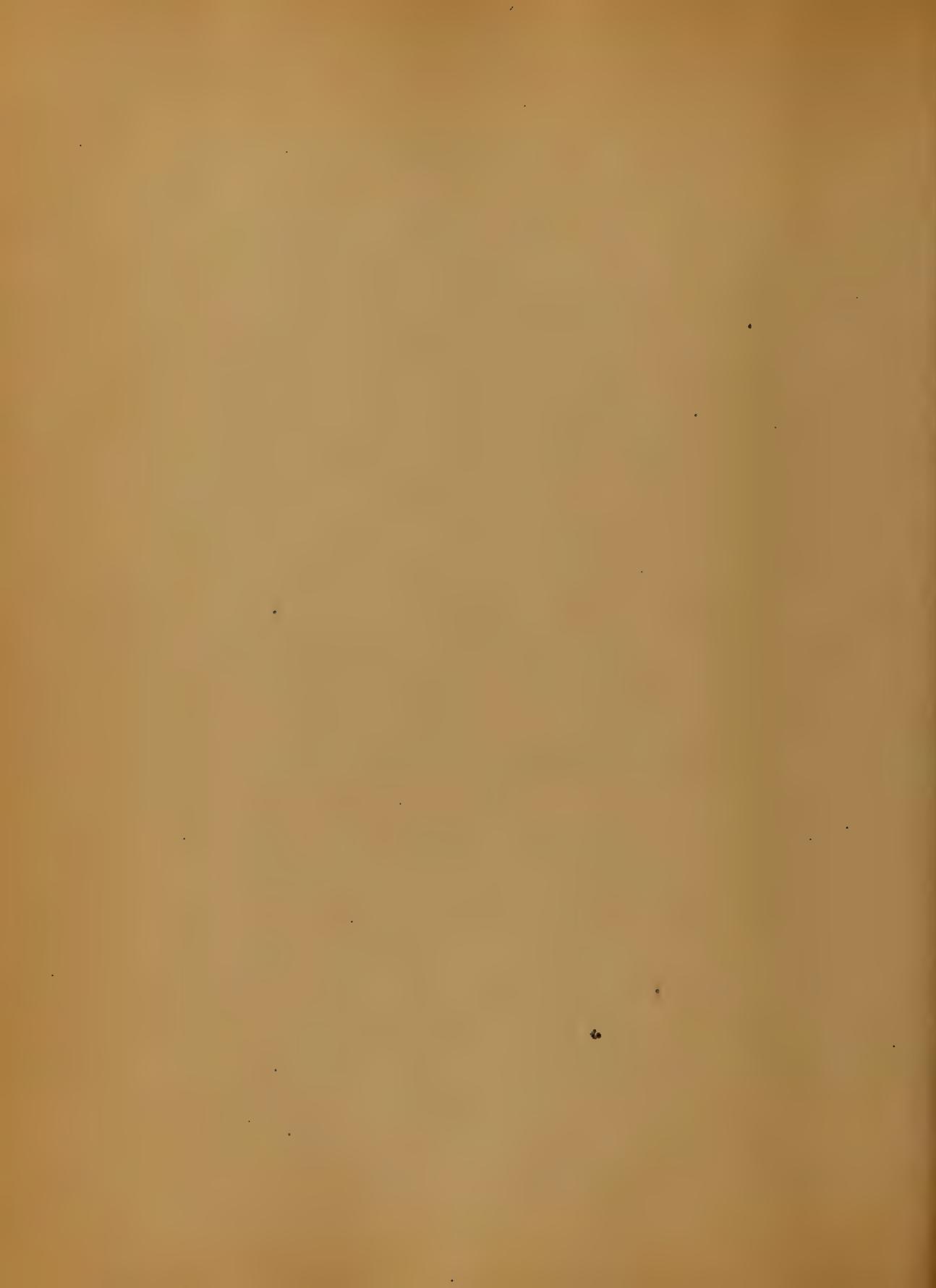
that no progress to indicate
can take place.

Prof. Austin Flint says in
respecting of the prediction
of Eddie's year, "that the
extinction of his disease
is within the reach of scien-
tific science".

Self-limited as enteric fever
is, no culture short of it is
possible. We must therefore
conduct the patient through
it as safely as possible, and
for his best welfare medicamenta
with good nursing will suffice.
Our chief aim, however, is
the treatment of the disease



most evident in the sounding
against, and the prevalence
of the nasal sounds, of which
attention is paid
in treating a single case,
arise. The condition
of the vowels must be carefully
watched, and under no
circumstances should the
tie of regulation be given.
If the vowels are lost,
there can be no harm in
nagging or giving a mild
cough, such as easier
air or throat during the
first week of the disease
and before micturition has



latter place, or even here,
it is generally safer to es-
cape by sea-walls.

The diameter is given as
and the deflection exceed
two or three per day; it
should be restrained by the
use of oil, so to avoid some
one of the vegetal excretions
such as lantana, shatavari,
nicotiana may be added,
or some such remedy; or by
open suffocation.

By suffocation in the encephalus
of the disease is most effect-
ually relieved by the cold
douche and the ice cap.

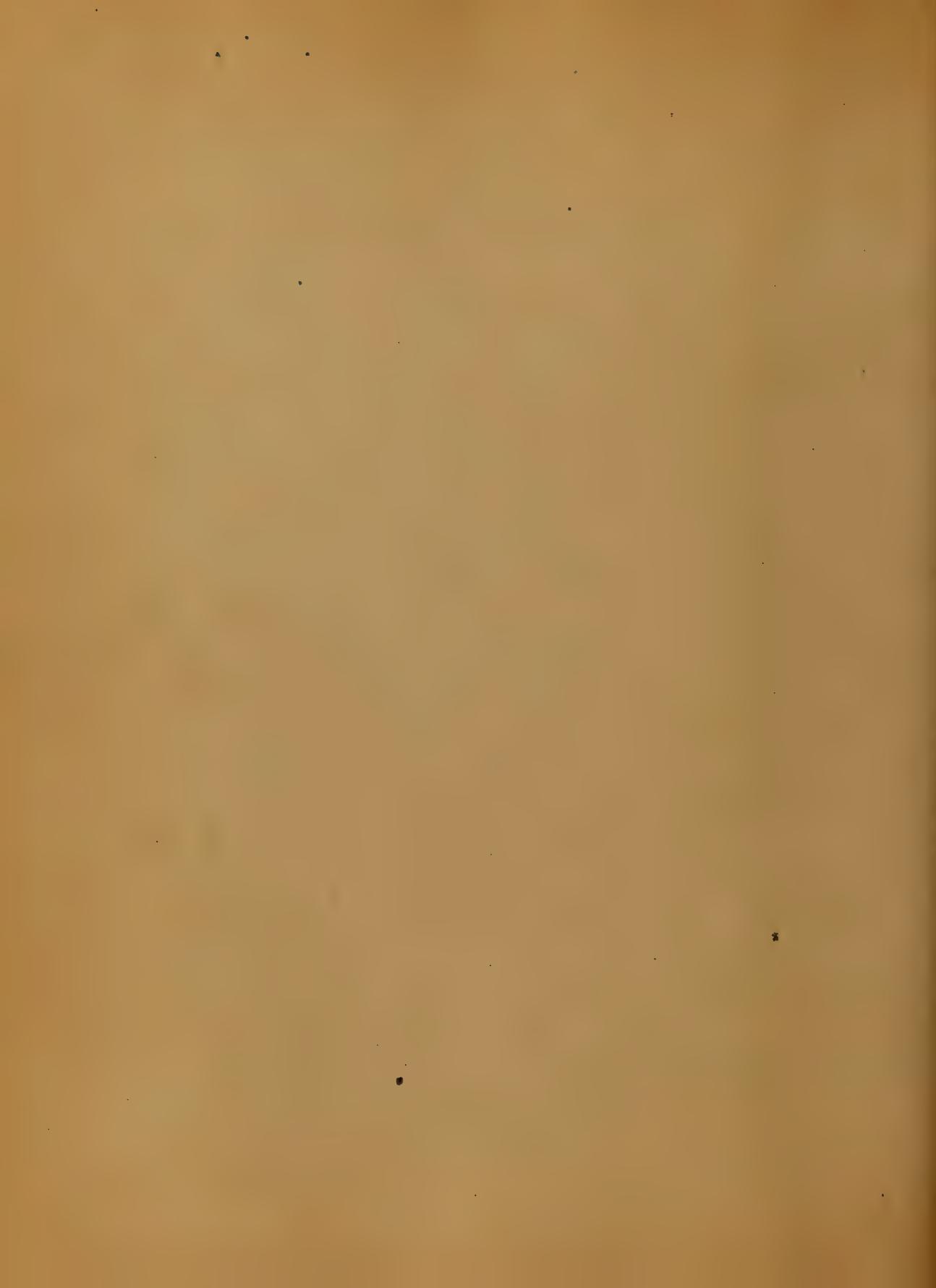
The patient generally loses
the nail, either by pulling it
off, or it comes off more gradually
than previously, and to render
this procedure more efficient,
and prevent the loss of the
nail, the nail should be
easily cut, as soon as it is
evident that the patient is
most free through the
fibrous cancer.

One nail, a single from the
cover of the face, may
not be sufficient to assist
to this, so a nail greater
in the size of a grape, the
size, weight, or color of



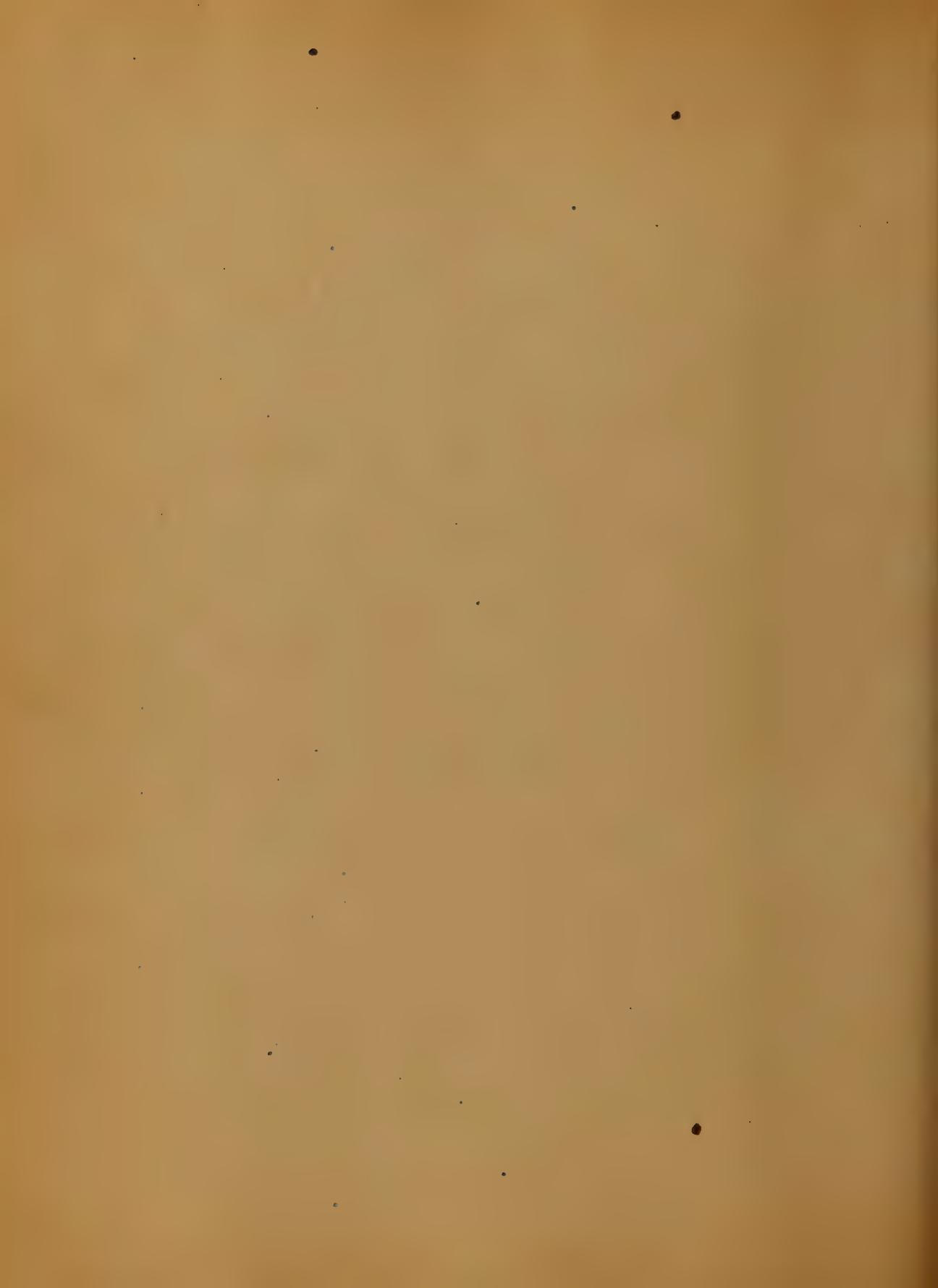
at length to. By gout etc. &
sufficient to produce a com-
munity and interfere with the
movements of the diaphragm
may be relieved by laudanum
internally and externally.
Stimulating emetic also or not
familiarity to the avoidance
one of the best forms to ad-
mit laudanum in, is I think
that recommended by Prof.
Owen. Syrup of lemon and
syrup of gum acacia equal
parts and spirits of laudanum
sufficient quantity so that
each dessert spoonful will
contain the dose required.

Boiling or sick stomach
may be relieved by the use
of fine water-cresses,
biscuits or ice or eggs to
initiate over the stomach.
When such symptoms appear
as vertebra tenderness, and
coughing, I would give
muscilin (water) in doses of
two grains every two hours.
If indications of peritonitis
of the womb manifest them-
selves, only hope lies in
nursing the patient under
the influence of ice or
magnesia; the danger from the
frequency of its administration

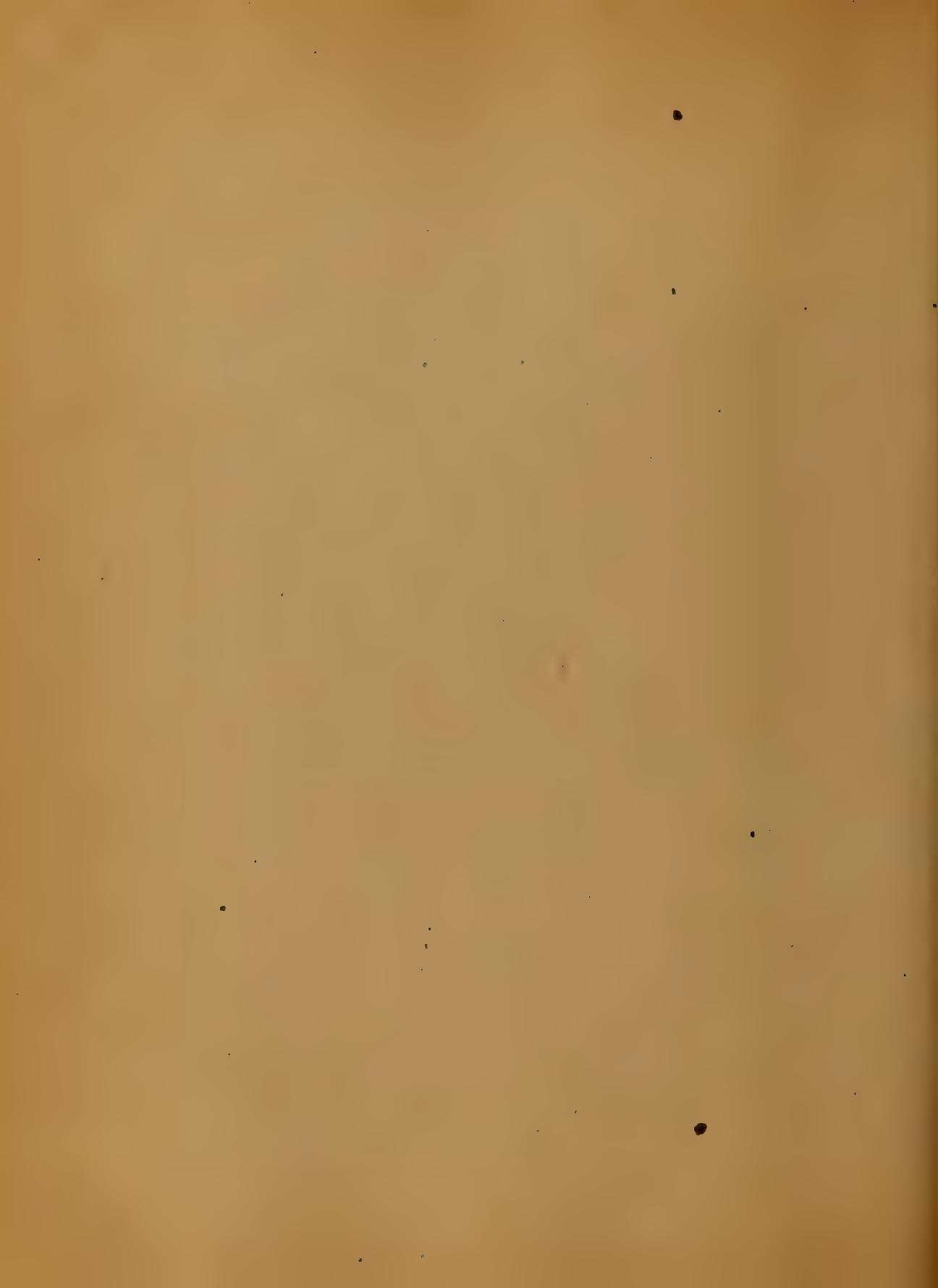


viewed in the part
in the patient to observe
how it wills effects.

With the circumspection
there is to be given attention &
redress is given if pos-
sible to keep the patient
clean and dry and the
skin as smooth as possible
and to provide or to use
oil under pressure and
if necessary sedatives
makes its appearance
and it has parts without
stimulating or galvanic
application, such as using
such of the following



with olive or candle oil on the
part may be protected
by a piece of wet sponge
soaked with soap, peats,
etc. etc. I am satisfied
no one place as a curative
accrues in this disease, but
it is useful as a tonic and
febrifuge after the tertial
period or height of the fever
has passed. I would not
give more than ten grains
again in the twenty four
hours. divided in two
grain doses. After the first
dose should reach a term
 104° or 105° . I would reduce



it or after giving the person
of the cold, with liquid
water, a draught of cold
water, which will nearly
always reduce the temperature
at once very satisfactorily,
and if done in the evening,
will produce sleep.

If the case were a very severe
one and loss of sleep long con-
tinued, I would have
the bath "fimmer" gradually
warmed, commencing his applica-
tion in a bath at 95° , the
temperature of which is
gradually lowered to 70° or
 75° , according to the effect

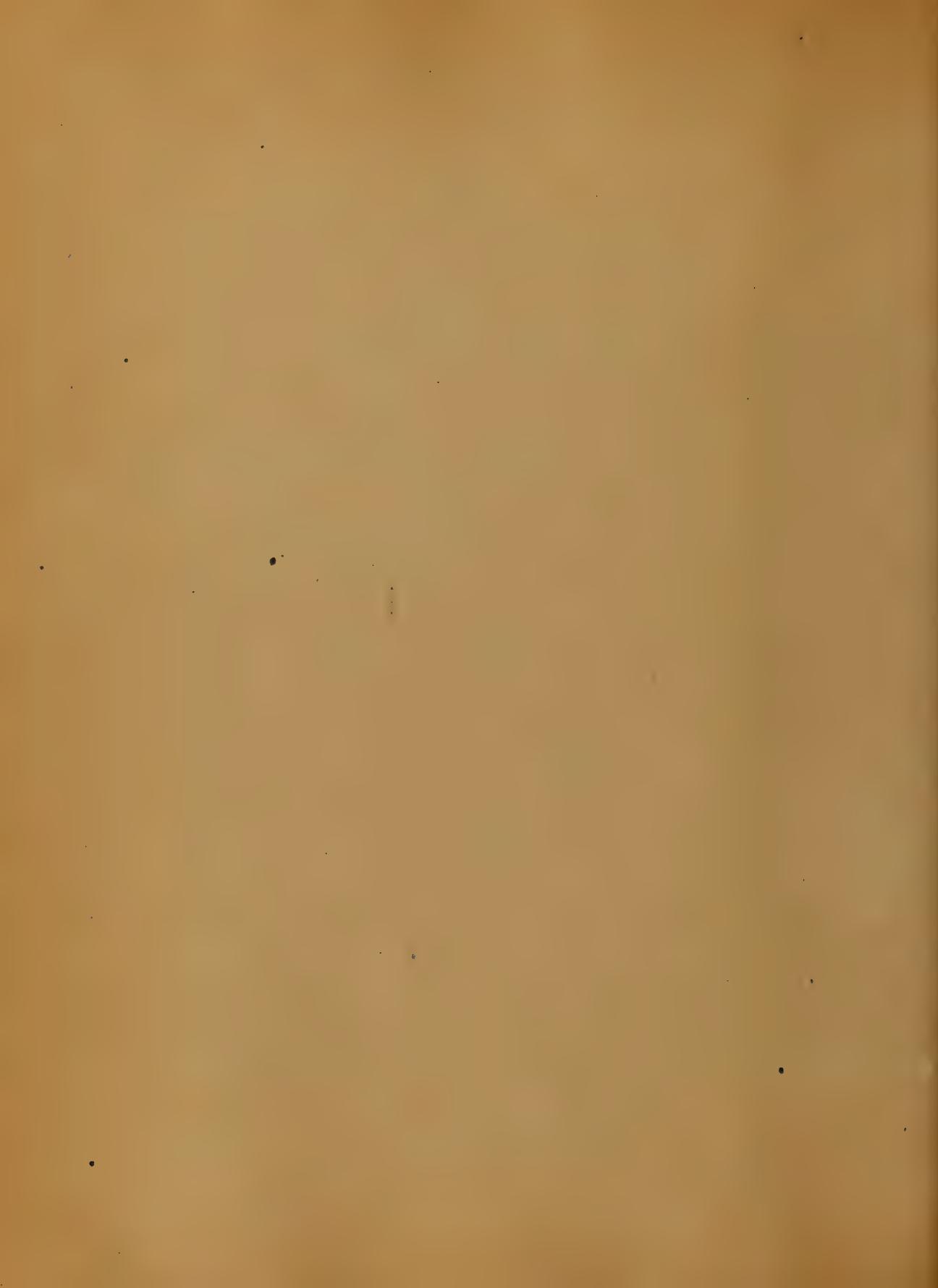


produced. In this way the temperature may be lessened, without shock or undue depression. I have no faith in the cold bath in this disease; having seen bad results from its use. You will also give the patient rice to eat & a glass of cold water to drink, & an effervescent draught with the view of lowering the temperature. The strength & vitality power of the patient should be kept up and supported by the sustaining treatment, which consists chiefly of diet & labor.



and the use of alcoholic
stimulants, but not on the
cases, except the latter,
not more than one tenth.
I should say, Acetanil-
phine or Baine, is before
all should be given as a
tonic and stimulant. Some
of the diluted mineral acids
should also be given as
tonics and refrigerant, the
rest of which Baine is
the sufficiency.

Great care should be given
to the diet, which should
consist of fluid and easily
digestable food given every



mon or less, in such quantities. The first elements are milk, gruel, barley-water, rice-water, beet-water and acerice, but chicken, mutton, veal, tea and eggs are also to be given. During convalescence much care is also necessary. The greater variety which endures so long demands the use of tonics and an abundance of nutritious food. This is account of the danger of perforation of the colon, which may cast off the entire mucus, making it speci-



and is given to another to guard
against danger as it is easily
digested, and not of such
a character as to derange
the action of the bowels.

Especially a fatigued and
irritable mind. Since the great
vulnerability to the supervention
of pulmonary inflammation
and of tuberculosis makes
it particularly liable to be
injurious. Change of air
is often extremely efficacious.
The room of the patient
should be freely ventilated,
repeatedly during each day
by opening the windows as

wider or possible, in fact
than a few, get into it.
"Later Edict," etc., etc. etc.
also if physician so often
that eventually it may
become a gift after knowl-
edge gained.

Neglecting

H. H. Den

Cu. Med. Co

Md.

To the Medical Faculty
of the University of
Maryland.

By W. H. Miller
Senior M. D.

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Session 1886-87.

Since my only true cause of dis-
tress would be Spleen, or some other
practical of medicine I will not
take advantage of copying a check,
but endeavor to reflect, in addition
some of the clearest cases that it
has been my fortune to see.
The first that I will attempt to
repeat is one that so often taxes
the physician in the face, and with-
out a knowledge of which the prac-
ticing physician would be in a most
embarrassing position - I mean Sple-
nitis. The names of the trouble known
by this disease are given. It is re-
written that the size of the spleen
shall be noted before the application
unto the throat and for the same reason

we may be called upon to diagnose
a disease whose origin may, not only
be traced back for years, but genera-
tions. The case in question was a
young woman, aged twenty three, with
an eruption on the face, otherwise,
apparently, in good health. On close ex-
amination we found scar tissue on
the lower lip, which indicated that
there had, ^{been} repeated trouble of the
same nature before the patient
came under our observation. On exam-
ination of the throat we found also
well defined scar tissue, showing
that ulceration had taken place at
an earlier period of life. The teeth
were of the renovated stage, and
presented the usual appearance so
characteristic of inherited syphilis.

The gaps in the teeth were not of the fine "sawtooth" appearance you so often see in persons badly nourished, but of a deep decided gap. Questioning her was told that she had suffered very much when about nineteen years old, with the eyes that for two years was entirely blind. She also stated that she had two sisters who were affected as she was, and they, too, had suffered with their eyes.

With the symptoms taken with the history of the patient, and that of her family we ventured to make our diagnosis "infantile aphasia" and that the expectation of seeing a decided improvement under the administration of the ergot extract.

Case 11 - A young girl aged 12
or years, living in a malignant climate,
presented the following symptoms.
When seen the skin was hot dry,
and harsh; pulse 130 beats per minute
the respiration 30 and slightly
free. All the secretions were more
or less suspended, great thirst, stool
constipated, with great pain in the
head and back. The mental faculties
disturbed, no delusions and talk-
ing in a wild and disconnected man-
ner, and now more or less calm.
The tongue was coated with the film.
The patient ^{was} consulted with regard
for this. On questioning the moth-
er of the child, was told that
three days before it was taken with

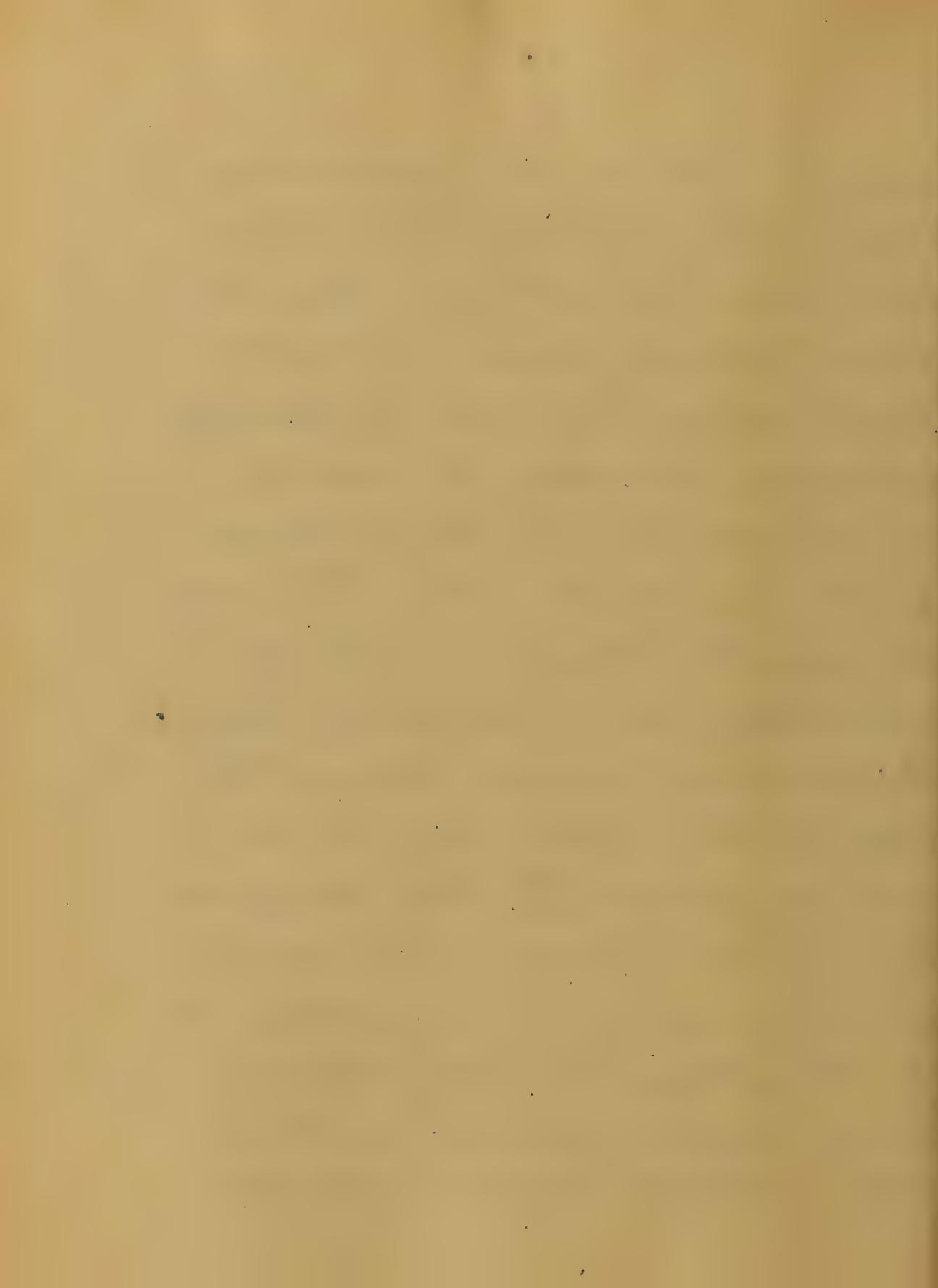
a chill, with decided rigors, was put to bed, and about eight or ten hours after became more easy. But still the next day it had a little chill and had been getting worse ever since. Satisfaction myself that it was a case of remittent fever. The fever we had to deal with that the liver was not performing its function, and administered a dose of blue gall tonic followed by a saline purgative and gave the great "malaria specific" Quinine flour which good results were gotten.

Case III. Mr. - aged about five. He too living in a malarious district and having suffered for a long time with intermitting fevers.

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when seen presented the following - The pulse small, stiff, and compressible, the appetite poor, and the patient very much emaciated. On questioning her was told she had not had her "course" or menstrual, and that about the time they ought to have made their appearance she suffered intensely with pain in the head and face, with extreme stiffness of the mental process, giddiness and even syncope. These faintings often became so bad that the patient could not stand ^{upright} for fear of ~~the~~ damage to the self from a fall while in one of these attacks, which though not as sudden as in epilepsy,

came on without the patient being aware of their approach in time to return to her bed. Knowing that the woman had not passed the menses pause, and not being able to find any mechanical cause why the woman should not menstruate, was driven to the conclusion that the woman was not ill ~~because~~ she did not menstruate, but did not menstruate because she was ill. Knowing that these fits of pain were not due to a superabundance of blood being sent to the brain caused by the usual amount of blood sent being augmented by the uterus but that they were due to natural efforts to vent attack the accumulated blood. The uterus

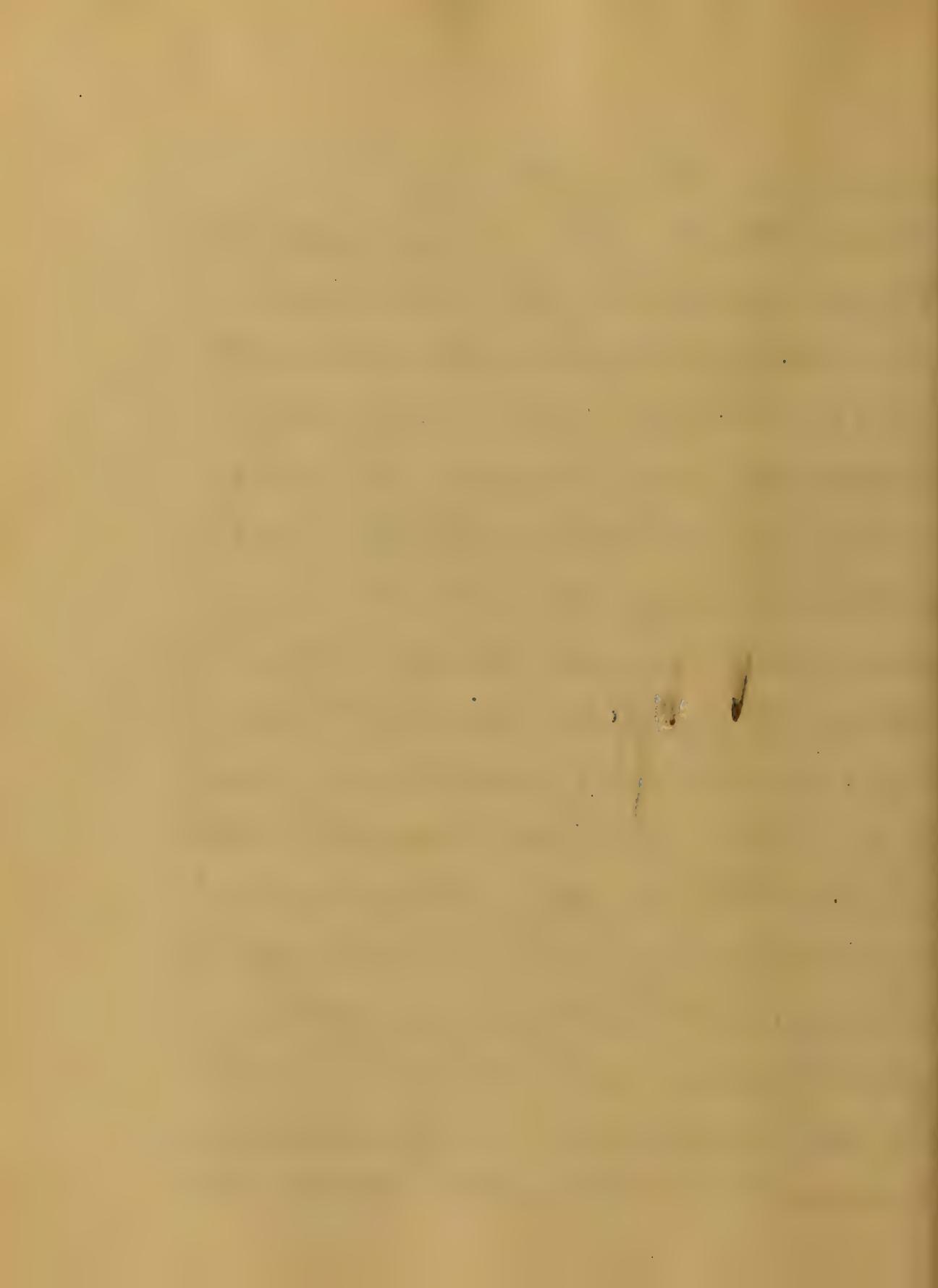


being engorged with blood there was
not blood enough left in the system to carry on the functions of
the brain conveniently. This was
was the result. Giving birth to
our diagnosis "anaemia" the patient
was sent to Dr. and Mrs. M. C.
with the solicitation that they would
re-establish the catamenia with a general
improvement of health.

Case in May 20 aged thirty
two, fair hair, fair complexion,
slight and in good health, had
somewhat disturbed the old
habits. While engaged in his
daily occupation was taken sick
a hill, carried home, and about
thirty six hours after the chill

presented the following:

Pulse full, strong and rapid.
Temperature high. Respiration
hurried, and accompanied with
more or less pain. The left
cheek was very much flushed,
could be easily detected not-
withstanding the whole face
was very much flushed by the
severity of the fever. The
eyes were dull and heavy look-
ing. The patient was also both-
ered with cough, it was dry
and hacking in its character,
though, at that time, the
spuera were not characteristic
of pneumonia. Physical ex-
amination revealed moderate



dullness on percussing over the left lung. The fine crepitant rale could be heard on auscultation over the lower lobe of the left lung. Having diagnosed pneumonia in its first stage, treatment was instituted with the hope of aborting the attack, but failed. Twenty four hours later the dullness on percussion was more decided. The fine crepitant rale had given place to the bronchial respiration and the rusty colored sputa, so characteristic of pneumonia, were present.

Case V. Mrs. R. living in that degree of ignorance that it was

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hard to say whether, or not
the statement given by her, as
to her age, was true. Found
in the lower walk of life where
the necessities of ^{life} were limited, and
where we so often find the
monstrous disease stepping in to make
more miserable the lives of the unfortu-
nate creature. The case in question,
when seen, presented the following.
Severe pain in the head and
back, tongue dry and brown, and
the pulse was weak and frequent.
The patient was often uncon-
scious, but while in her right
mind complained much of suf-
fering with nausea. On close exam-

ination found on the calf of
the leg a spot tense, red, swollen,
and painful. Was told that
the day before the patient
was taken with a chill, nau-
sea, and severe pain in the head
and back. Having satisfied
myself that it was a case of
erysipelas, and as erysipelas is
only a form of inflammation,
the first thing to be thought
of in the treatment would
be position. Having elevated
and put at rest the part, cold
water and laudanum were
applied locally to the part, and
tincture of iron, twenty drops
every two hours, was adminis-

isted internally.

Case vi. The case which I will now attempt to report is one which it was my fortune to see in its first stage and follow through its entire course.

The patient, after several days of more or less languor, pain in the head, nausea, and bleeding at the nose, was taken with a slight chill followed by fever of considerable severity. As the disease advanced the face acquired a dark purplish flush and a blank expression. The mental faculties soon became involved. He lay dozing or muttering to himself.

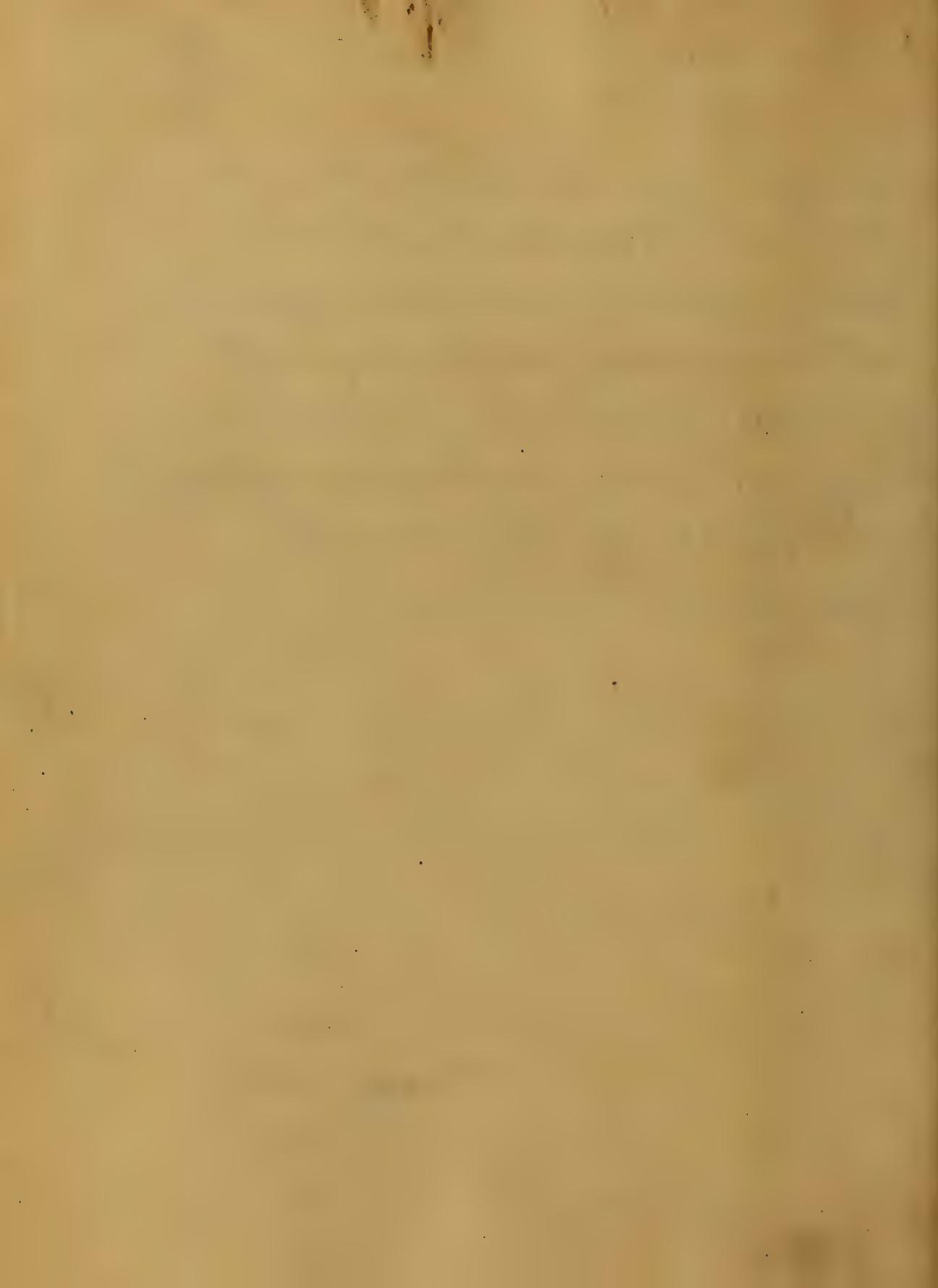
self, unless disturbed when he would be easily aroused, but as soon as left to himself would return to the same condition as before. About the end of the first-week of the attack the patient became more indifferent as to things around him, a little hard of hearing, and rather watery and delirious at night. By this time the fever had ^{reached} a very great height, ranging from one hundred and four to one hundred five degrees; and the diarrhoea became troublesome. Scattered over the abdomen were to be seen red or rose colored spots.

which, on passing the hand over the abdomen, could be felt slightly elevated above the surrounding skin. The spots under pressure entirely disappeared, but on removing the pressure they reappeared. These spots were of short duration, while some were coming others were fading away, and thus it was kept up for some time. The abdomen was swollen and tympanitic.

During this time the fever was exceedingly high, the pulse small and rapid, and the diarrhoea existing. The patient gave evidence of pain

when pressure was made over the region of the ilio caecal valve.

Being quite sure that our patient was suffering with typhoid fever the expectant treatment was adopted and symptoms treated as they presented themselves.



A Thesis
on
Ascaris tina.

Submitted to
The Faculty
of the

University of Maryland.

by
Hansford L. Walls
of
West Virginia.

Scarlet Fever.

(Scarlatina. Febris Rubra.)

Definition. — An acute, specific, contagious, and frequently epidemic disease characterized by a continued fever, a general hump-tiform scarlet eruption, and inflammation of the fauces & tonsils.

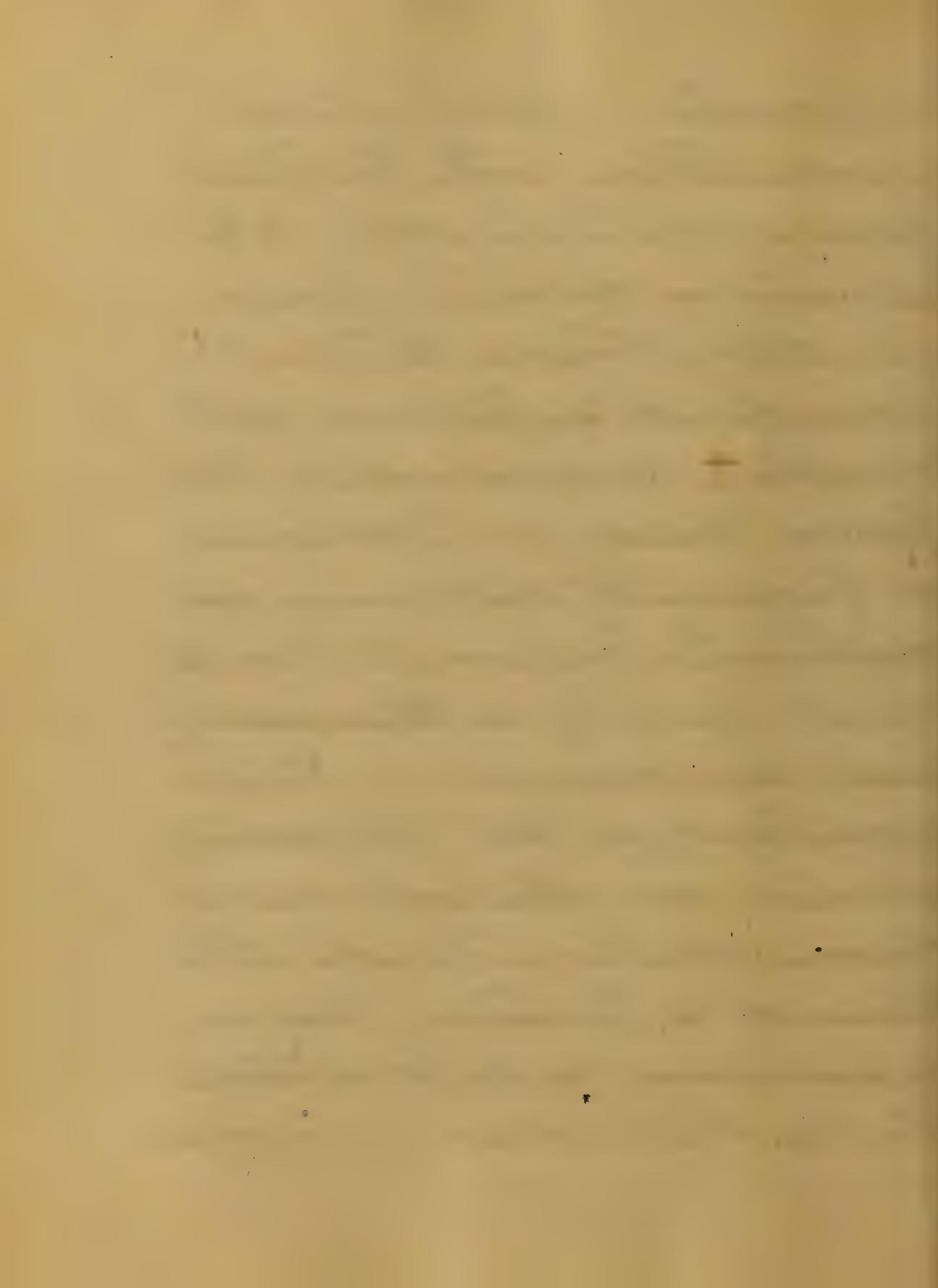
History & Causation. — The earliest source of this disease is said to be traceable to Arabia; & until the sixteenth or seventeenth century it was confounded with measles. However, it may originally have been limited to now

prevails throughout the world, in every climate and all seasons of the year. It is found among all classes, but, most commonly among the poor, as its development seems to be favored by overcrowding & poverty.

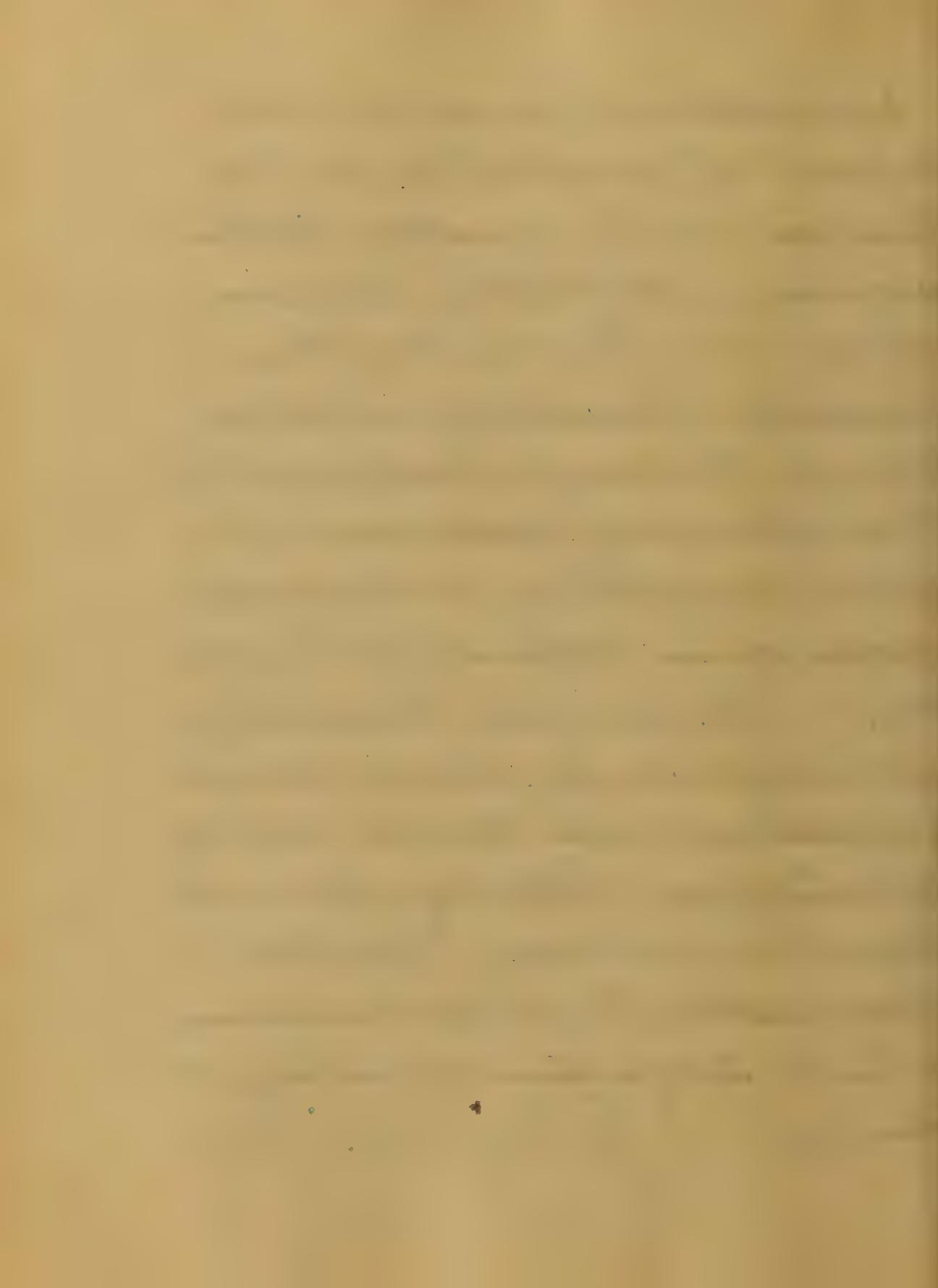
It may occur at any age but is ~~fa~~. The most common in childhood being most frequent in children under five years. It very rarely occurs a second time in the same individual though it sometimes does. Scarletina is highly contagious, & may be communicated by the atmosphere and

or fomites, & also, by direct inoculation with the fluid from a milia or vesicle or the secretions from the Lances.

A scabbed over patient is considered infected until complete desquamation has taken place. Scarlatina is frequently epidemic, and different epidemics present great variety in their severity and phenomena. It is said by some that pregnant women are especially exempt from infection, though at the time of parturition they are peculiarly predisposed to take it, in which case it is malignant.



Symptoms & Course.— The period of incubation in this disease varies greatly, but the average is probably six or seven days. The onset of the disease is usually sudden, though it may be preceded by the ordinary proclivities of febrile affections. — languor, drowsiness, aching of the limbs, &c. The disease is usually ushered in by chills, nausea & vomiting, red throat, coating of the tongue, hot, dry skin, with thirst & anorexia, frontal headache, hurried breathing, a high temperature & very frequent pulse. Of these symptoms



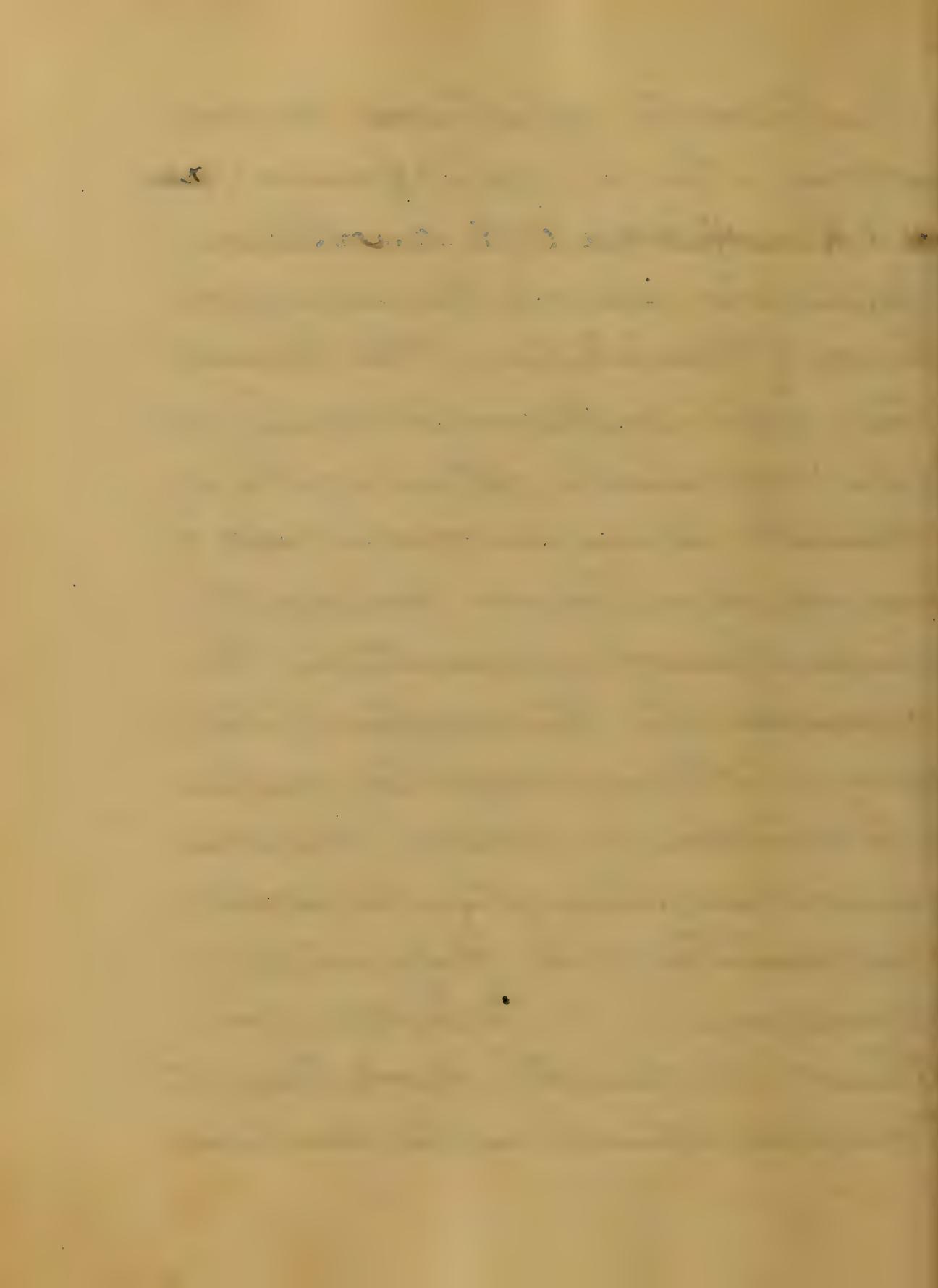
The most constant & marked
are - The great fatigueness of
the pulse; The marked rise
in the temperature, which may
be 104° or 105° on the first day;
The sore throat, & vomiting,
which is often distressing.

The eruption appears usual-
ly, on the second, at first on the
face neck & chest, but soon
covering the whole body.
It consists at first of innum-
erable minute red points, which
discrete at first, soon become
confluent, forming a gen-
eral scarlet or brick-red hue
which is of a deeper tint upon
the hands & soles & in places of

the joints. There is usually some infiltration of the skin giving it a swollen appearance. & there may also be an itching & soreness with great heat of the skin. The rash is usually at its maximum on the third or fourth day of the disease, & begins to fade about the fifth or sixth, disappearance entirely within three & five days, when desquamation begins.

Unlike some other diseases of like nature, the fever does not abate upon the appearance of the eruption, but is aggravated. The temperature & frequency of the pulse are much increased.

The throat affection becomes worse, the pharynx & larynx are much inflamed & swollen & presents much the same hue of the skin. The tonsils are also inflamed & enlarged & covered often with a thick tenacious mucus & may sometimes present superficial ulceration. The glands at the angle of the jaw & others near by are tender & swollen. From the soreness & swelling of the parts deglutition is difficult & painful. About the third or fourth day the tongue which up to this time



has been coated with a yellowish white fur, now cleanse & assumes a deep red color with swollen & projecting papillæ, constituting the characteristic "strawberry tongue".

The vomiting is not so frequent as the disease progresses as in the beginning.

The nervous symptoms have aggravated, delirium increases & in the severe cases may pass into stupor & coma. Either diarrhea or constipation may be present but the latter seems to be more usual. This is usually complete & acute though in some cases the abdomen may not be affected.

About the fifth or sixth day, if the case be favorable, the symptoms begin to show an abatement, & to gradually decline, with the fading of the rash. The temperature diminishes; the pulse becomes fuller & slower; the throat affection improves; the delirium disappears; the appetite is re-
stored, & the patient soon regains his health, provided none of the many & various sequelae protract the convalescence. But if the case is not going on favorably about this time the change is apt to be for the worse, & most of the symptoms are aggravated, & the prognosis is poor.

The throat affection becomes worse. The tonsils may exude or supurate, there may be pseudomembranous deposit on the fauces & throat, albumenuria appears, the patient sinks into a typhoid state, the diarrhea takes the low micturition form, & the case is terminated by convulsions & coma.

As the eruption fades desquamation begins, taking place in the order of invasion of the ova, & varies from a few days to two weeks more in duration. It is often accompanied by much itching & soreness of the skin

It is during the period of
disorganization that some
of the many viruses common
are apt to make their ap-
pearance, & it also at this
time that the disease is
thought to be most infectious.

As far as we have had now
a general view of the course
& symptoms of scarlet fever;
& I think it will be well to
consider more in detail
the more important
& characteristic features
of the disease.

One of the most marked
symptoms of this disease,
is great elevation of temperature

W^hich is often as much
as 103° or 104° on the first day
and later in the attack
it will frequently reach
 106° , though the average
range is probably from
 102° to 104° . It is said to
"occasionally rise to 110° or
even 112° ". It begins to
gradually decline with the
fading of the rash, usually
showing more decided
fall on the fifth, tenth &
fifteenth days. A daily
remission in the mornings
when well masked is con-
sidered a favorable sign.
It then ^{reappears} again in the afternoon.

decided fall some season
may be suspected to be
commencing to develop.

Another very characteristic
symptom of this disease is
the remarkable increase in
the frequency of the pulse, which
rises up on high even, on the
first day, & increasing in
frequency with the appear-
ance of the eruption; it may
reach a rate of 120 to 160 or
even more. But this great
frequency alone, does not
affect the prognosis to any great
extent, unless there be also
great weakness. In favor-
able case there is a gradual

fall in the rate of the pulse
from the beginning of the
fading of the rash.

The most constant & very
often the most dangerous
feature of this disease is the
inflammation involving
the Tonsils, Fauces, Pharynx
& rarely the larynx. In some
cases the affection of the
throat is very slight but
in the majority of cases it
is the most serious & trouble-
some feature of the case. The
tonsils become enlarged &
softened, sometimes break-
ing down under the finger,
often present superficial

ulceration, & sometimes in
the malignant cases the
suppuration is severe, & thin
membrane forms upon
them, & soon involves the
other parts. There is usu-
ally ulceration of any other
portion of the mouth & throat
except in the malignant
form of the disease. The sali-
tuting glands are usually en-
larged, & in some very bad
cases may suppurate. On ac-
count of the swelling & sore-
ness of the parts there is usual-
ly much pain & difficulty in
deglutition, & there is sometimes
noticed a short dry cough due

to the general inflammation.
The neck is usually swollen
& stiff. The throat
is very important & should
always be carefully examined
especially in children
as a child may die without
making any complaint of
its throat.

The appearance of the tongue
in Scarlet Fever is very
characteristic; it is at first
covered with a brownish white
fur, excepting the tip & edges
which are of a deep red tint,
but about the third or fourth
day it cleaves & presents a
deep red hue with projections

habillae which constitutes the "strawberry tongue". In some very mild cases however it may be but little furred & clean without presenting the strawberry character, & again in my own cases it may become very dry & black, with scales appearing on the teeth.

The bowels are usually not much disturbed, there may be diarrhea in the early stage but there is usually a tendency to constipation later. Vomiting is very common in the first stage but does not continue troublesome after the first one or two days.

The urine, as in other tuber-
affections is scanty & tinct
colored. The chlorides are
diminished, & the uric acid
is retained during the fever
& voided in excess on its sub-
sidence. Albumuria
is frequent both as a con-
comitant & a sequel. It
usually appears about the
third week, but may make
its appearance almost any
time during the attack.

It does not seem to have
much dependence on the
severity of the case, as the
worst cases may never ap-
pear, while some of moderate

may prove fatal on account
of it. If the urine be exam-
ined, it will be found albumi-
nous, & smoke very often in appear-
ance, & under the microscope
are seen epithelial & granular
casts &, usually, blood corpuscles.

There is rarely always more
or less disturbance of the nervous
system; in the milder cases
restlessness, & wakefulness &
frontal headache & may be
some little delirium. But in
the more severe cases the
delirium begins early & be-
comes very violent, convul-
sions often appear early in
grave cases in children.

Coxa, which is so common
humans made a fatal
termination.

There are few diseases that
vary so much as scarlet
fever, both in the severity
of the attacks & the phisio-
cal phenomena they present; & from
this fact, it is divided,
by most writers, for con-
venience of description & better
direction of treatment, in
to the three following varieties;
S. simplex, S. anginosa &
S. Maliformis. To which some
add a fourth variety.
Scarlatina simplex. - In
this variety the fever

moderate, the eruption hardly makes its appearance, & there is little or no inflammation of the throat. The attack is frequently as slight as not to confine the patient to bed.

Scarlatina venosa - In this the stasis falls upon the neck. The neck is swollen & stiff. The tonsils are swollen greatly & ulcerate or subacute, & may be covered with a thin membranous deposit which coming away leaves a ulcerous surface. There may be ulceration or sanguining of the fauces or pharynx or posterior pharyngeal fossa; the

great difficulty - in degeneration. The inflammation frequently extends thence to the Eustachian tube & tympanum setting up a purulent discharge which may result in permanent deafness.

Scarslatina Maligna. - This name is given to those extremely severe & fatal cases in which the patient seems at once overwhelmed by the violence of the attack. Most of the usual symptoms are greatly aggravated, the vomiting may be very distressing, severe chills or rigor may be present, the impetuous

reaches an extraordinary
intensity. The pulse is quick
& feeble. The prostration &
dilatation great. There may
be violent diarrhoea from
the first, ending convulsions
or coma which usually occurs
in death. The eruption
may not appear or only par-
tially, & then reced & com-
pletely in time. The throat
may be very much or only
slightly affected. There may be
diarrhoea & haemorrhage from
the bowels. Death may
take place in the most violent
form within the first twenty
four hours, but it usually

comes with in the first three
or four days. The proportion
of the malignant - & others is
about one to five.

Scarlatina salme. - This
is the mildest form of the
disease, & occurs most frequent-
ly in those who have had
the disease & are again
exposed to the contagion.

It is so slight that it would
likely not be suspected were
it not that it occurs where
scarlet fever is prevalent.

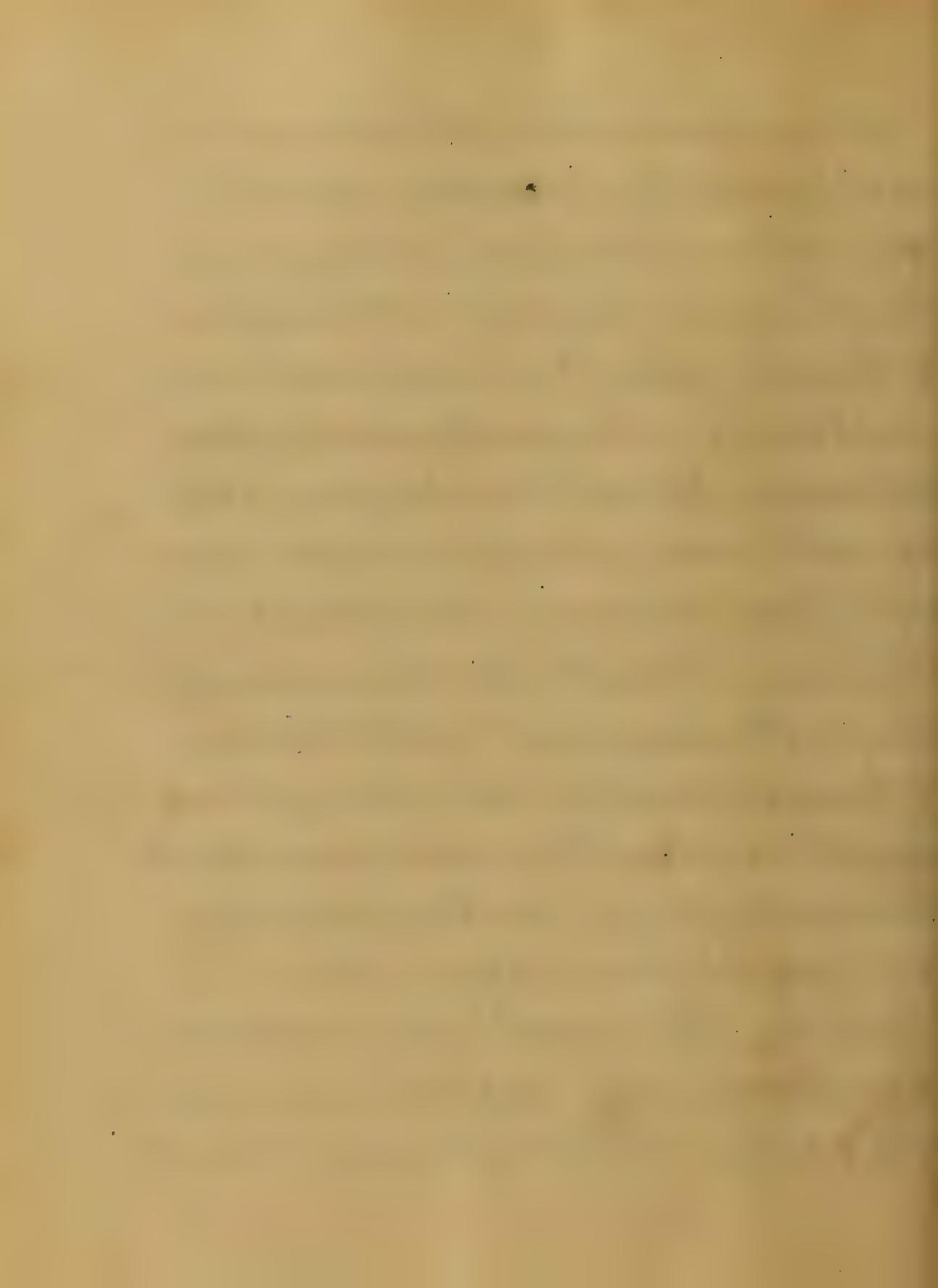
There is only some very
slight febrile disturbance,
with some redness of the
throat & maybe a slight swelling
of the neck, or often none at all.

Scrofulæ.—There are few diseases that are followed by so many & various sequelæ as Scrofulæ. It is not easy to distinguish between complications & what may be strictly termed sequelæ so far the sake of convenience some affections already mentioned will be noticed first. First may be mentioned Ulceration & sloughing of the fauces, tonsils & pharynx, retro-pharyngeal abscess, & suppuration of the cellular tissue & glands of the neck at angle of the jaw. Second it may have not necessarily

constrictive, sometimes followed by serious results; & often, obstetrical, may result in permanent damage, & here may be mentioned vaginitis or a mucopurulent discharge from the vagina, which is not very uncommon, but is often passed over without notice.

Third. Bronchitis & pneumonia are not frequent, but pleurisy & pericarditis are more common. Diarrhea is often a serious sequel. Rheumatism is frequently a troublesome sequel.

Fourth. The most common & important sequel is renal dropsy. Albuminuria is usually



The first symptom, & may make
its appearance as early as the
first week or not till the third,
but usually about beginning of
third. This albuminuria
occurs in the majority of cases
to some extent but generally
passes off without any bad result.
The fatal cases are usually
terminated by convulsions
from uramic poison. The
character of the urine need
not be mentioned here as
they have already been de-
scribed. Exposure to cold
or a chill during excretion
is the common cause.

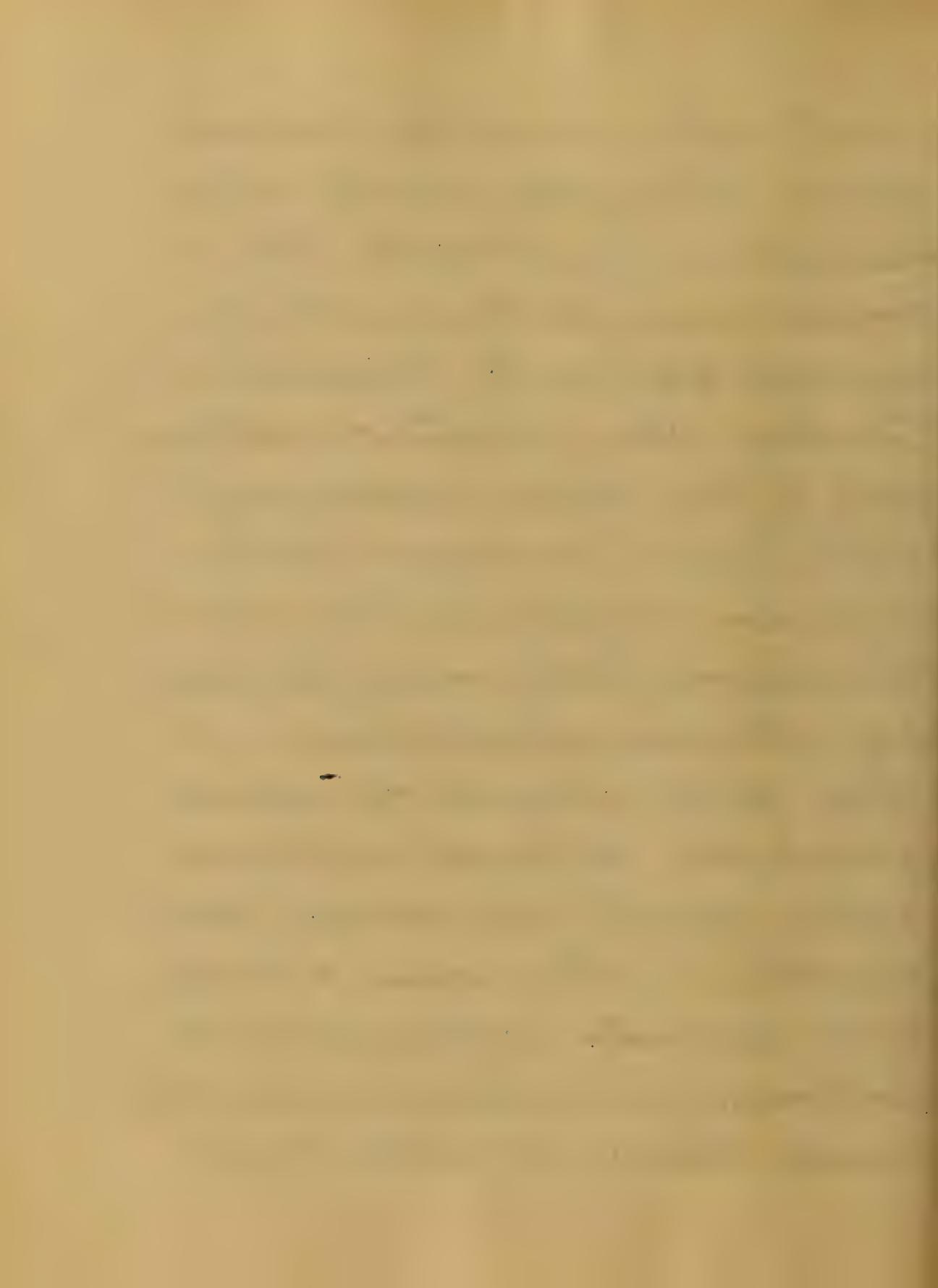
Diagnosis. The two diseases
which it may be mistaken
for are measles & roseola.
It is distinguished from
measles by the eruption
making its appearance on
the second day, the absence
of cataracta. symptoms. &
the presence of sore throat,
& by the rash being less re-
lly diffused & of brighter hue.
From roseola it is known
by the sore throat & frontal
symptoms, & by the rash
in roseola being in patches
& of a rose color. It is not
likely to be confounded with
any other affections, except in
the first day before the

Prognosis.— is in all cases uncertain, but cases of the simple form usually get well. The danger in this form is the liability to some of the serious complications, among which dropsy especially follows mild cases as frequent as the fever. The prognosis of angina is grave & recovery from the malady rare except in the exception. Desiccation is almost always fatal in the tubercular form. Treatment.— In the mild cases little medication is needed. The patient should be put to bed in a large well

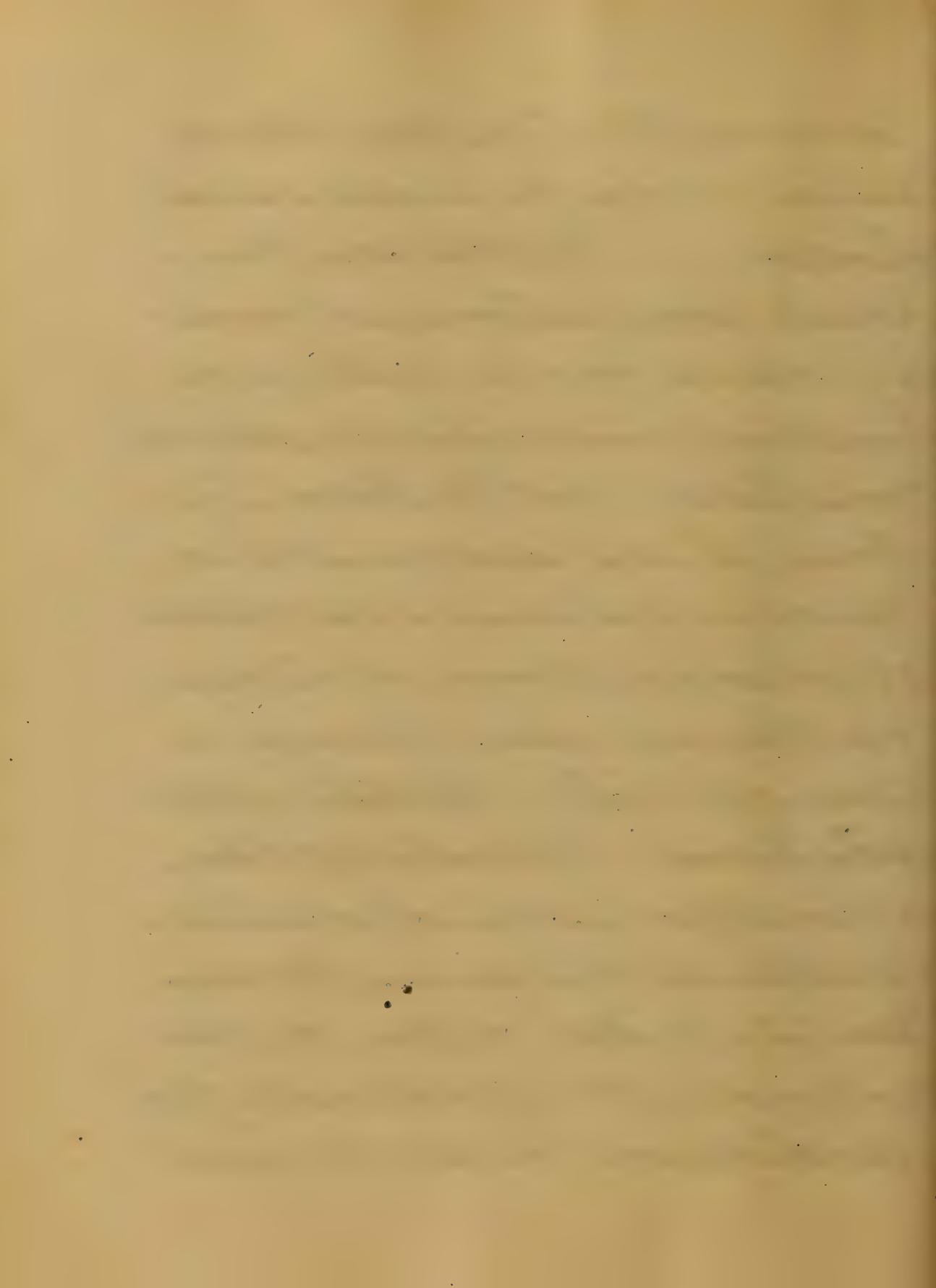
outlet air room, but protected
from draughts, & with a tem-
perature of 35° to 70° F. The
bowls may be opened by a
mild spirit, if needed.

To allay the irritation & itch-
ing of the skin spongeing
with tepid vinegar & water,
or cream & glycerine. &
the whole body may be mas-
saged with unsalted lard.

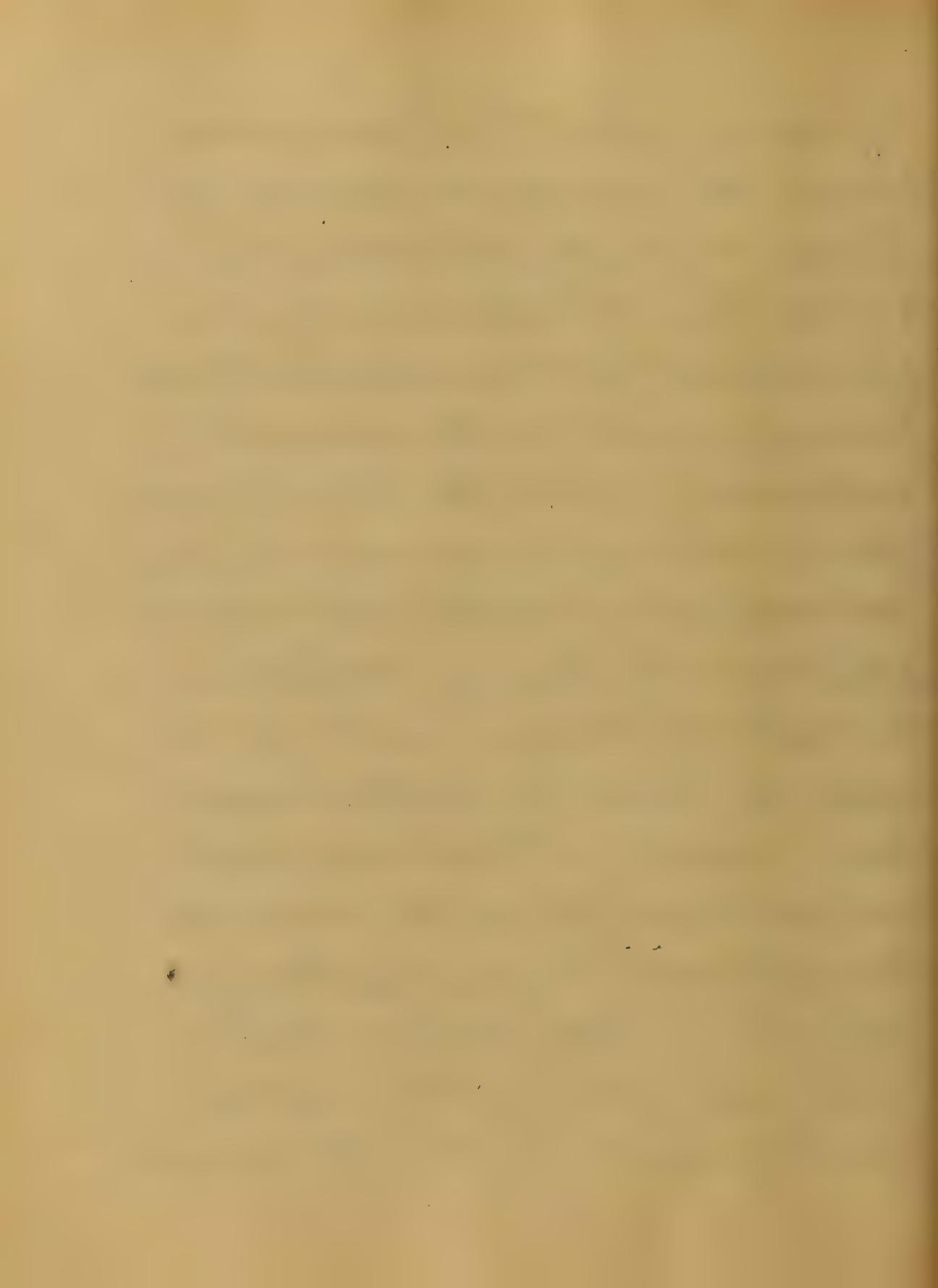
The diet should be plain
& simple; at first, milk &
water, gruel, lemonade, fast.
& water, later when a tenden-
cy to debility is present it
should be more nourishing
milk, chicken broth, etc.



The motion in the bottom
drain, & may be allowed in all
stages. For the sore throat
local applications externally,
warm fomentations, as
linseed meal, yeast or oatmeal
poultices, inhalations of
steam are recommended.
Among medicines the chlorate
of potassa stands at the head.
The throat may be sprayed or
sprayed with chlorate of potash
solutions. Chlorate of potash
& honey is a good application.
Sulphate of Liniment & reduce
the temperature, & when the pulse
is frequent & moderate tre-
varatum viride is used.



by some with it is said good effect. & acovite is similar used. Sulphite & Sodium tincture of chloride of iron are used in the constitutional treatment with much success. In the malignant form stimulants are needed. In ulcerous throat applications of strong solution nitrate of silver, or the bromide of iron, or nitric acid are used. Carbolic acid in solution is used as an application to the part with good effect. Hot baths bathing at 100° or 95° & cooled slowly down to 70° are also



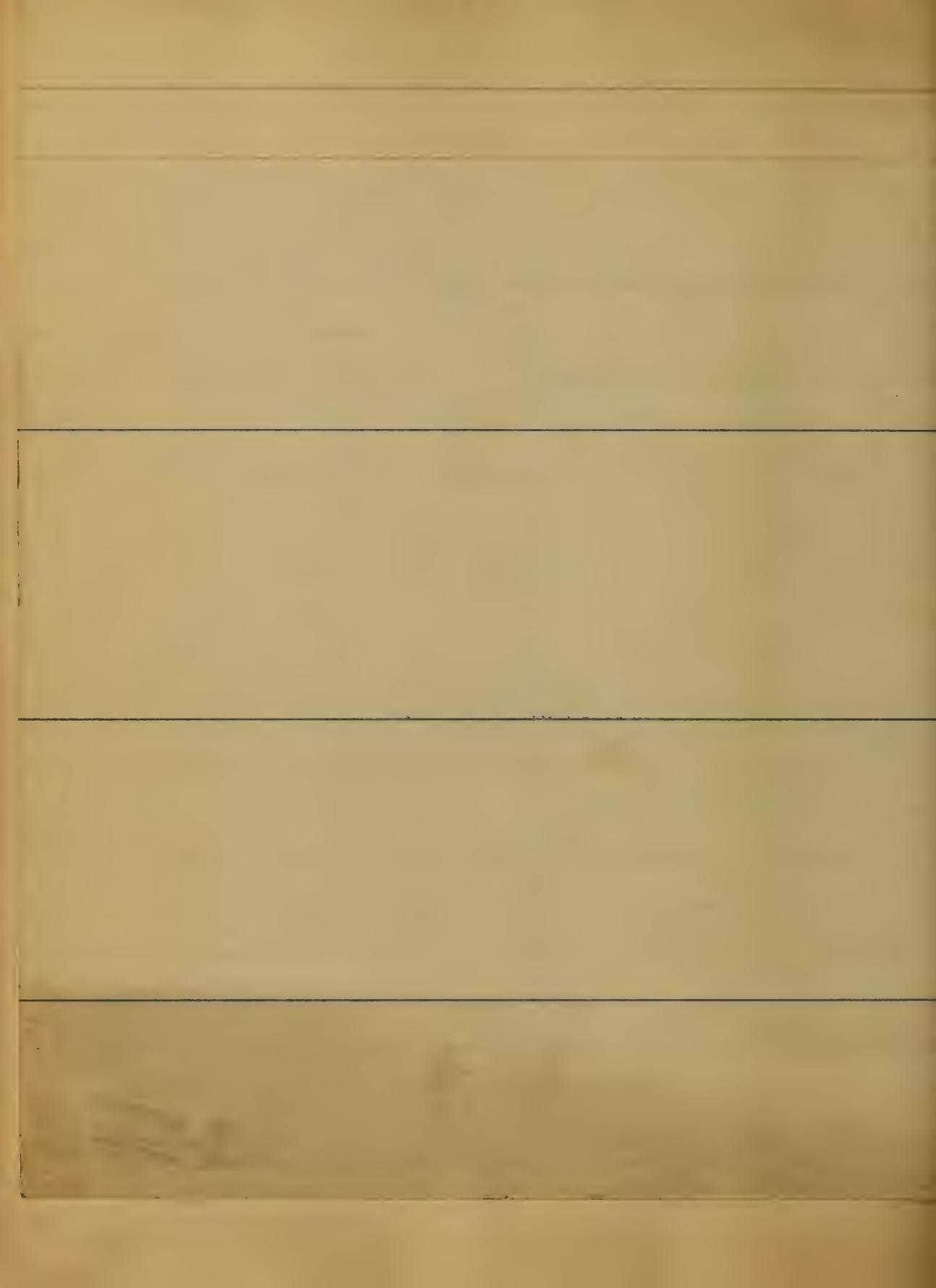
not to be much extracted.
This is hyperpermeability.
Care should be taken not to
allow the patient to get up
during the administration, as
this is a most frequent
cause of droptism.

Bella donna is indeed to
possess a prophylactic power
in protecting from scarlet
fever, but there is much
doubt as to just what as-
sertion, & we have not en-
dured sufficient to say any-
thing positive in regard ther-

and the State
and local colleges a large num-
ber of Negro Progressives.

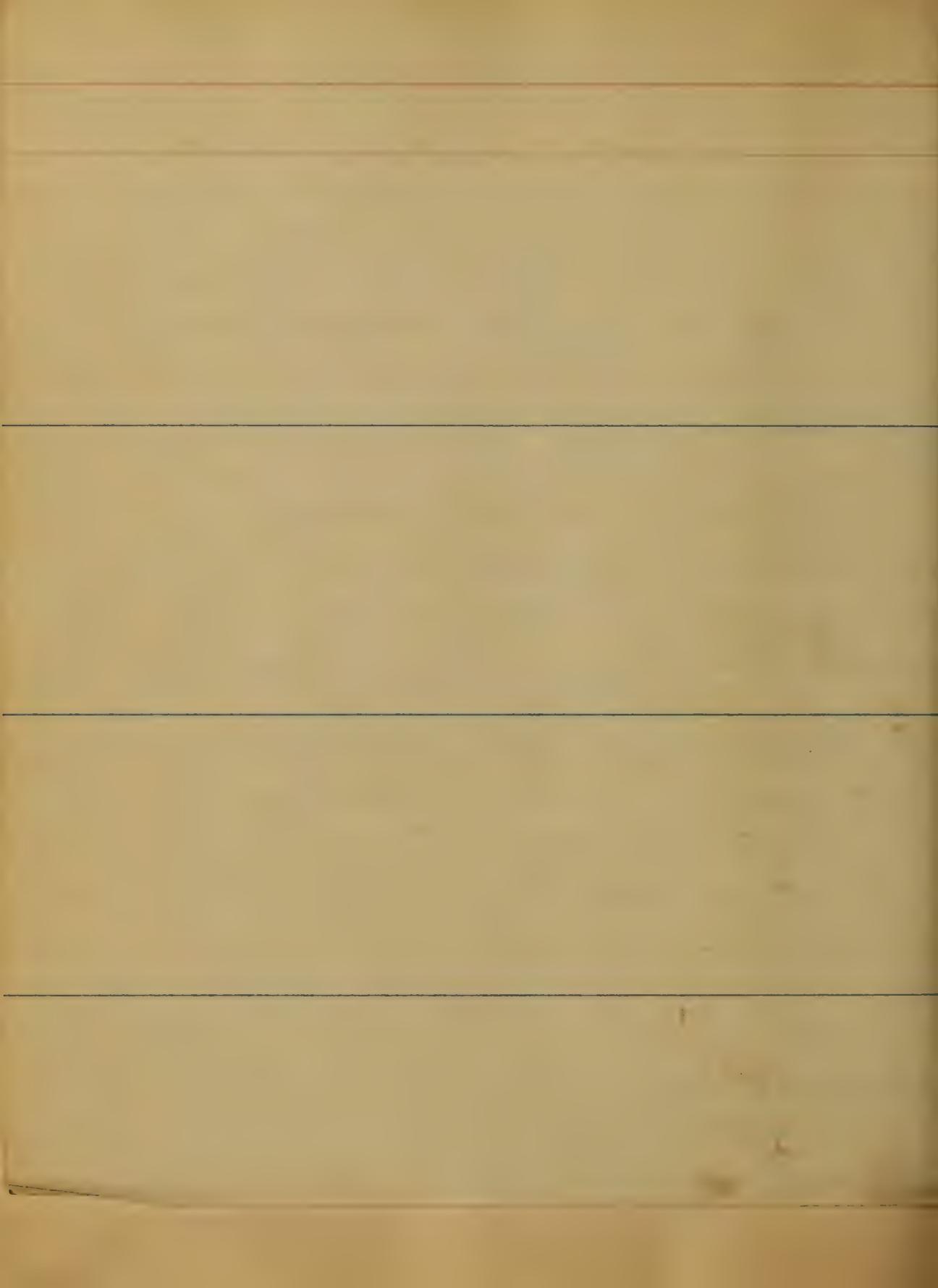
This development seems to
me to be the best way to do more
and better teaching which I can
almost cast off as impossible.
Just as in the field of public health
and other things, we can start by
and from the most ignorant and
backward and gradually develop it
so that, Secular Education, the motto
is all one and the same thing.
Now in our local towns we have
very few colored people collected
and yet there is money, but there
are no schools. A simple school is
to build and teach knowledge,
if given.

Local leaders. The local ones are the
best and are gathered by the Negro
in the neighborhood. Local ones will
work.

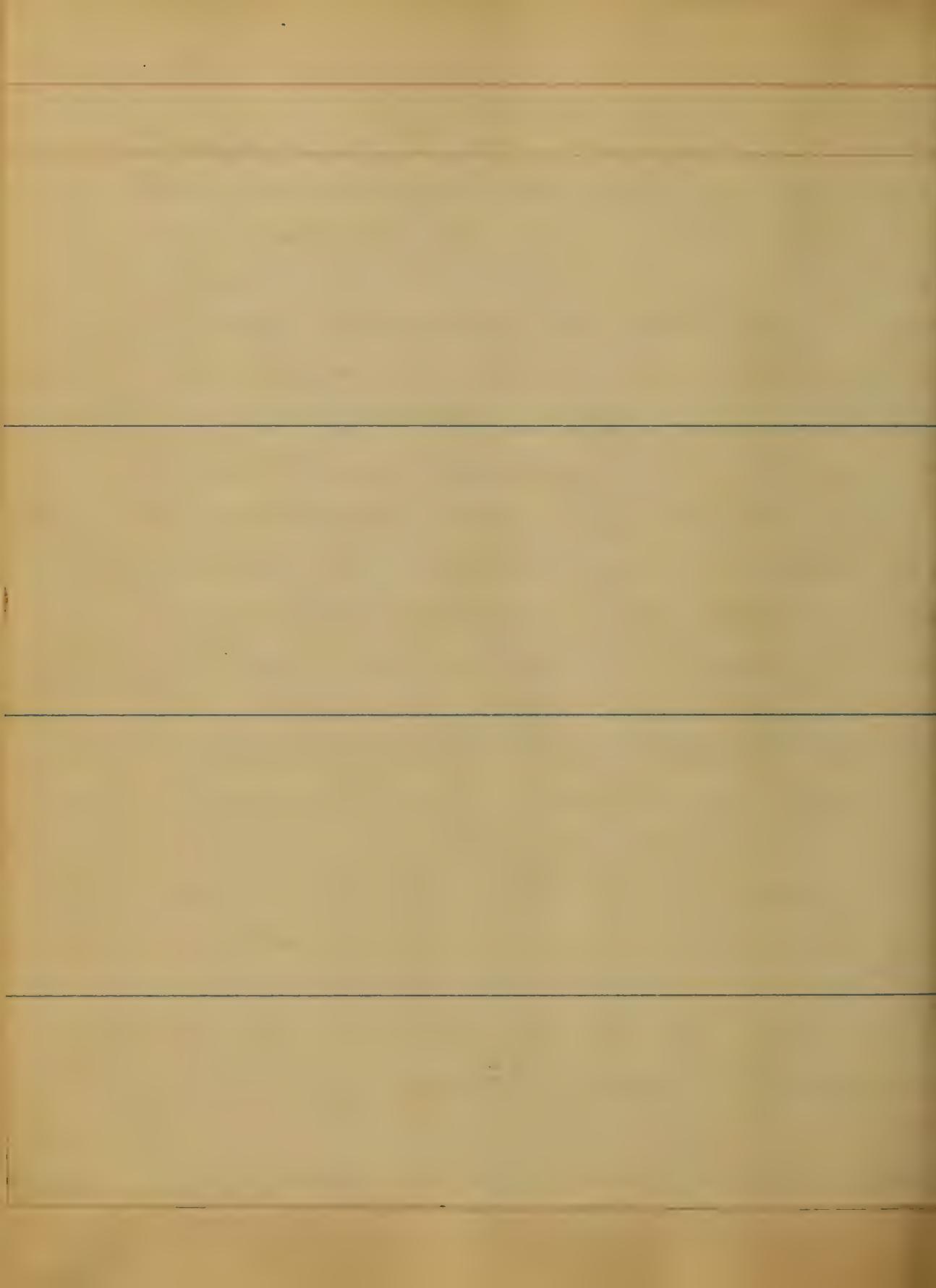


26

and will do so. They are
nugatory, but sometimes the same
done is generally enough to
cure children, taking a considera-
tive of circumstances. The
rule is nearly the same as
our physician friends, operation is
recommended, because of its power,
but mostly by gathering up the
viscera, and then to take a
lot of money and pain to
rid one's self of it, and
this and other ways
as the best. I have seen
a great number of cases, all suggesting
one of either prostration, or
disease, or long drawn out
process. In very many cases the
men have to die. But when a man
is down it is often found from
nuptial duty, that he
has considerably more than
an ordinary complication.



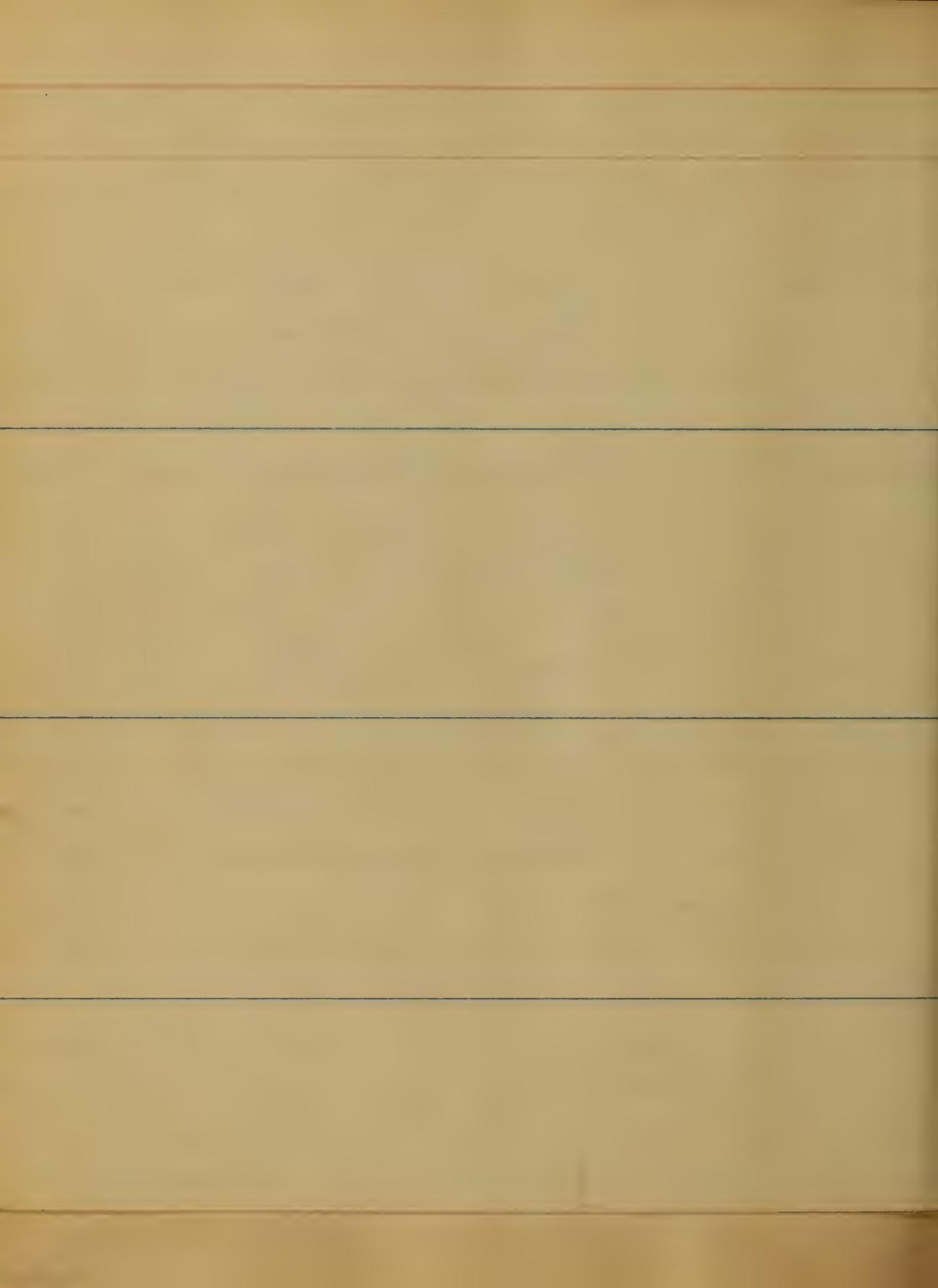
I have the title Dr. M. D. C. S. D.
disjoined and cut from one
The wings had not yet
been so small as to make it
up over the body more than
one third of its apparent
size, in which a certain number of
lines can be easily seen
so rapidly, extending from
the whole surface to the base,
as regards the arrangement,
in different colors, and
the coarser
filaments or spic's. These coarser
are more distributed pale,
and smaller in size & deeper
and stronger, & regular, than
those of the fine of the other I have
seen. The reason is most evident
in the right combination of
color, as the upper surface of the
rest, owing to the form of the
redundant skin, is frequently



the next stage follows on from the first
and is almost a continuation of it.
With the skin dry, however, and
every fine finger over the redness
now it is fit to be smoothed with
a soft cloth or sponge. If the skin
was broken, this is done before
the drying of the plaster, but when
it goes on dry, the redness remains
in. This is evident on the face & it is
not important to have it known as
it is, therefore also somewhat common.
Inflammation sometimes occurs
a more or less burning & itchy
sensation reaching even to blisters &
this dried dressing. The cause of
it is much different in the case of a
nurse's skin eruption. It is sometimes
that this is not to be the case when the
application is very smooth, as it is
ordinarily confined to those turbulent
epidemic times when many & various
diseases are quite unknown.

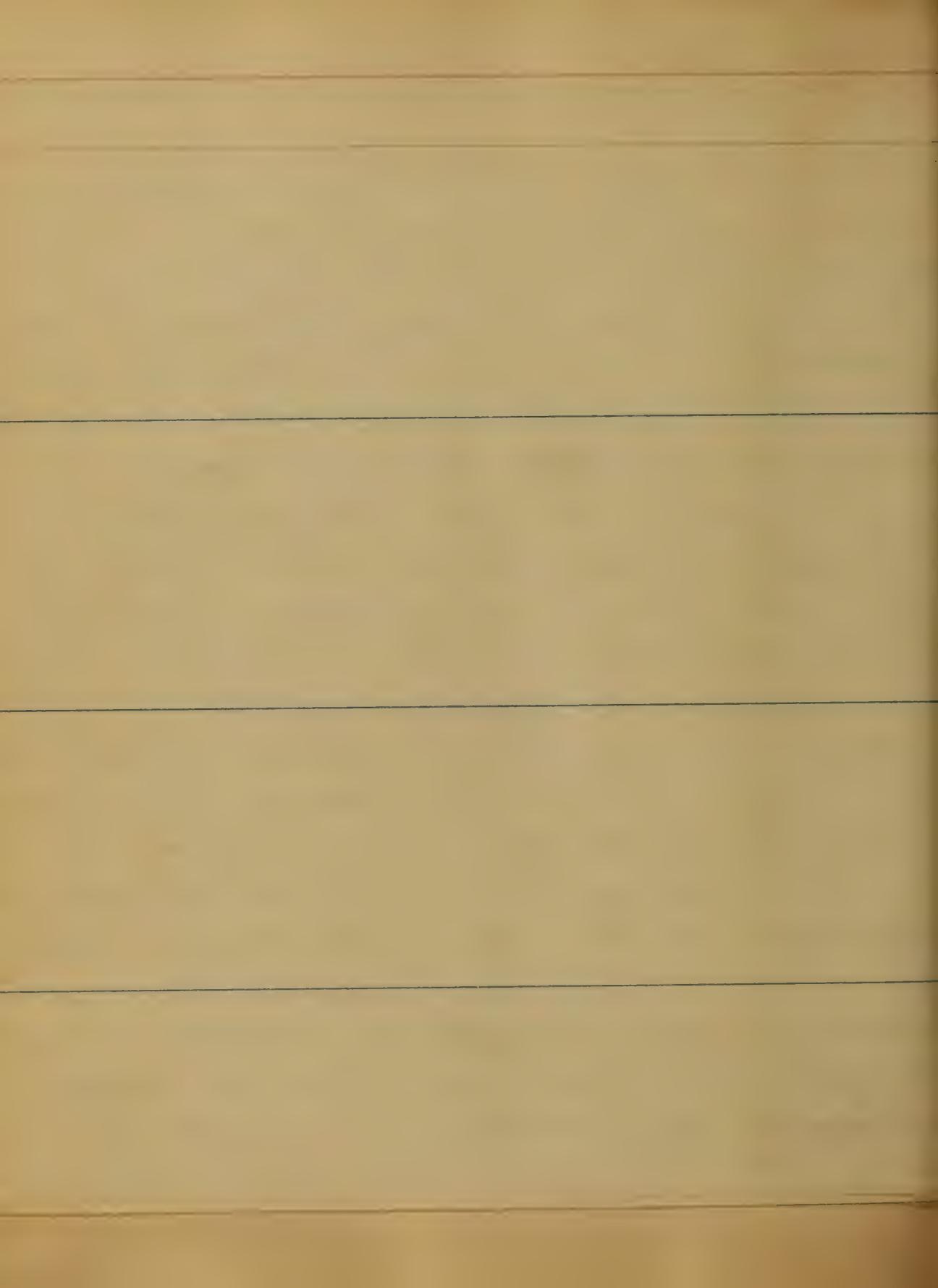


longer sufficient to give a clear
and distinct idea of the disease, but
during the first 10 days it is often difficult
to make out what the patient has
and the history of disease is often
uncertain. In such cases it is
common to find the patient in a
severe state of debility, but there may
be disease, ~~but~~ ~~the~~ ~~patient~~ ~~is~~ ~~not~~ ~~conscious~~
surface of the tongue clean & re-
tained at the tip, the tongue being
symmetric like that of a normal
healthy child, but the tongue is a favous
specimen. It is peculiar to this disease
white mucus ~~is~~ ~~present~~
caused by thickening of the epithelium
of the tongue & frequency of the pulse & increase
of heat are more marked in the
evening of the days. The pulse may
not be 110. & may be even slower
than 80, but the frequency of the pulse
is still shown an increase of temperature
of body in such cases it may result in
inflammation of the mucous membrane,
which is not uncommon.



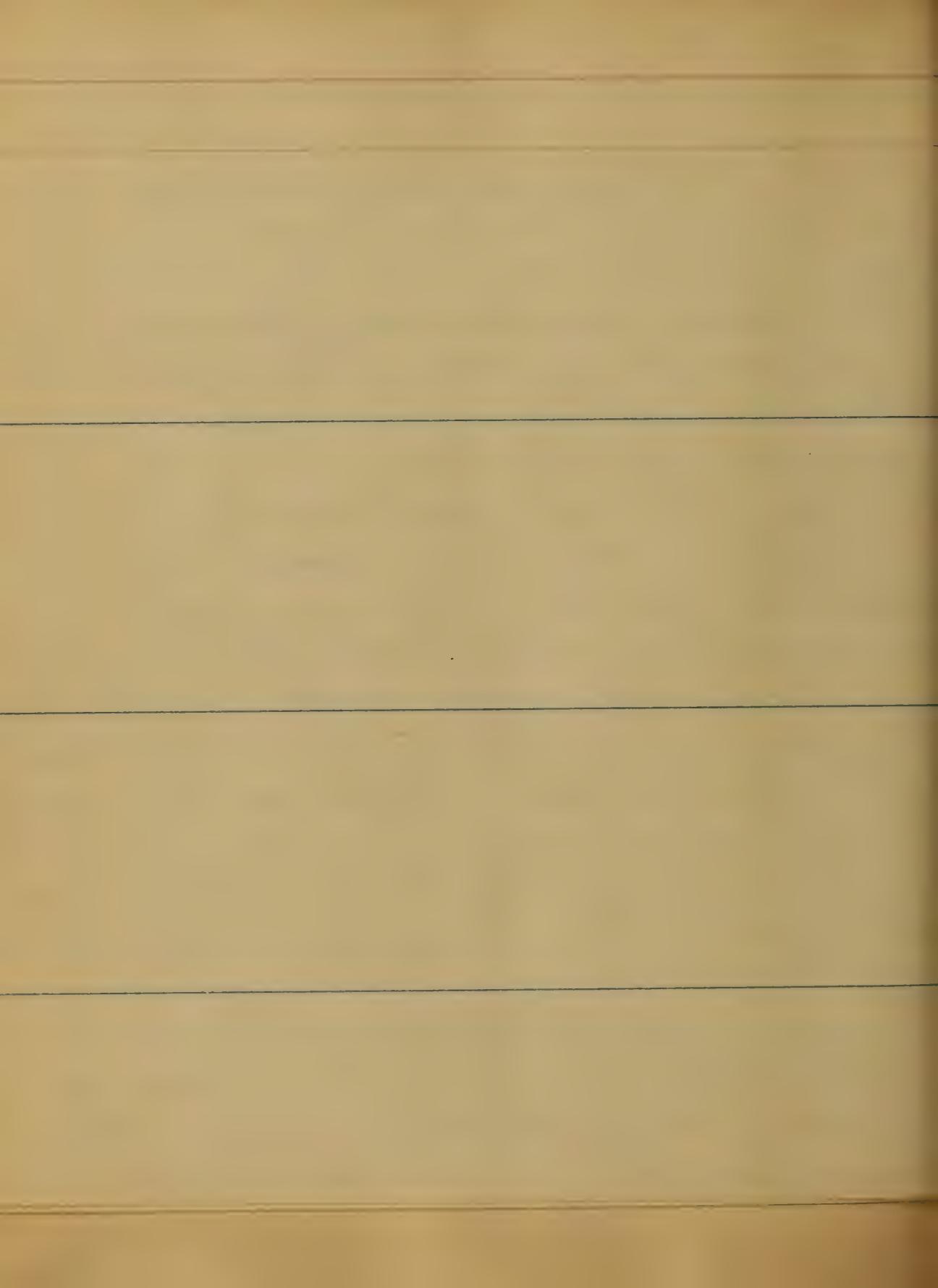
66

in the body after some time passed
is generally rarer. It is
the soft or egg shell of a bird
supposed to be dead or injured by the
turn him up being up turned back
over and death follows. If ready for
nests, I sometimes sometimes
at, Allumius occurs in the
portion of earth, during the day to
which mine would be frequently
mixed in this case of the chick
in completion, in the majority of
cases, is from 4 to 6 days. Sometimes
with times it is but longer than
one Stage of Post mortem. This
is probably commoner with
the old bird than with
the young. The extent of
post mortem is important.
In the first instance of the
skin is often blotted with the
small quantity of blood or impure
secretions, sometimes the epidermis
is broken, & detached nature, & may be



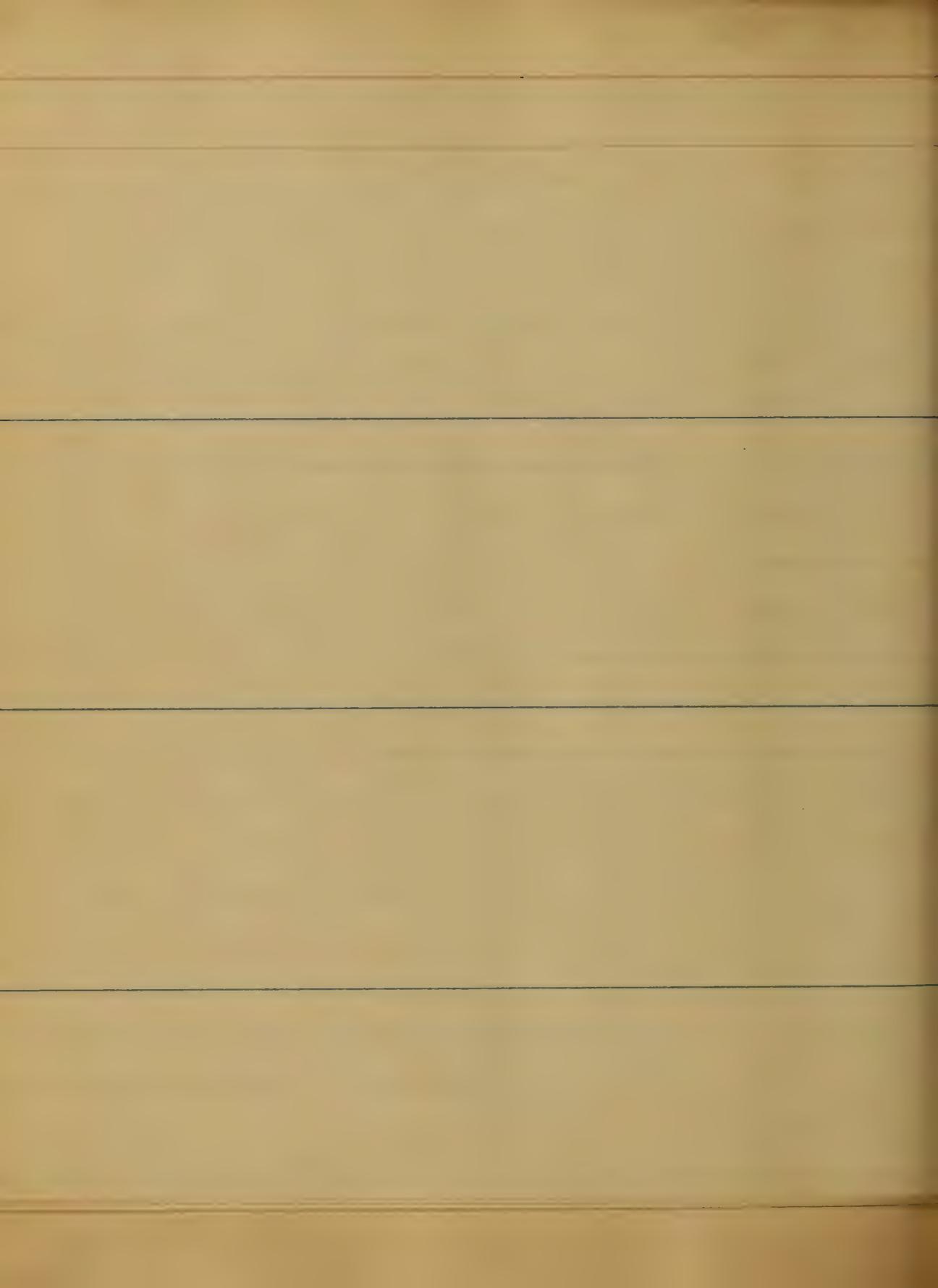
and will produce a permanent change
in the skin, but the skin becomes
soft & supple and easily
shaved after the condition is cleared
by the use of soap and water.

This, than any other skin
disease which is not
in the white way, is most
unpleasant to the touch, because it
is of black fur, accompanied by
the danger of the suppuration of a
set of the disease. It often becomes
extremely painful before it has been
detained long enough. It is at first
seen in certain, sometimes only
one, but often several places
which may take place in one or two
at a time, but may occur before the
skin appears upon the skin, or in
any of the hair follicles of the
body, the skin being perfectly healthy

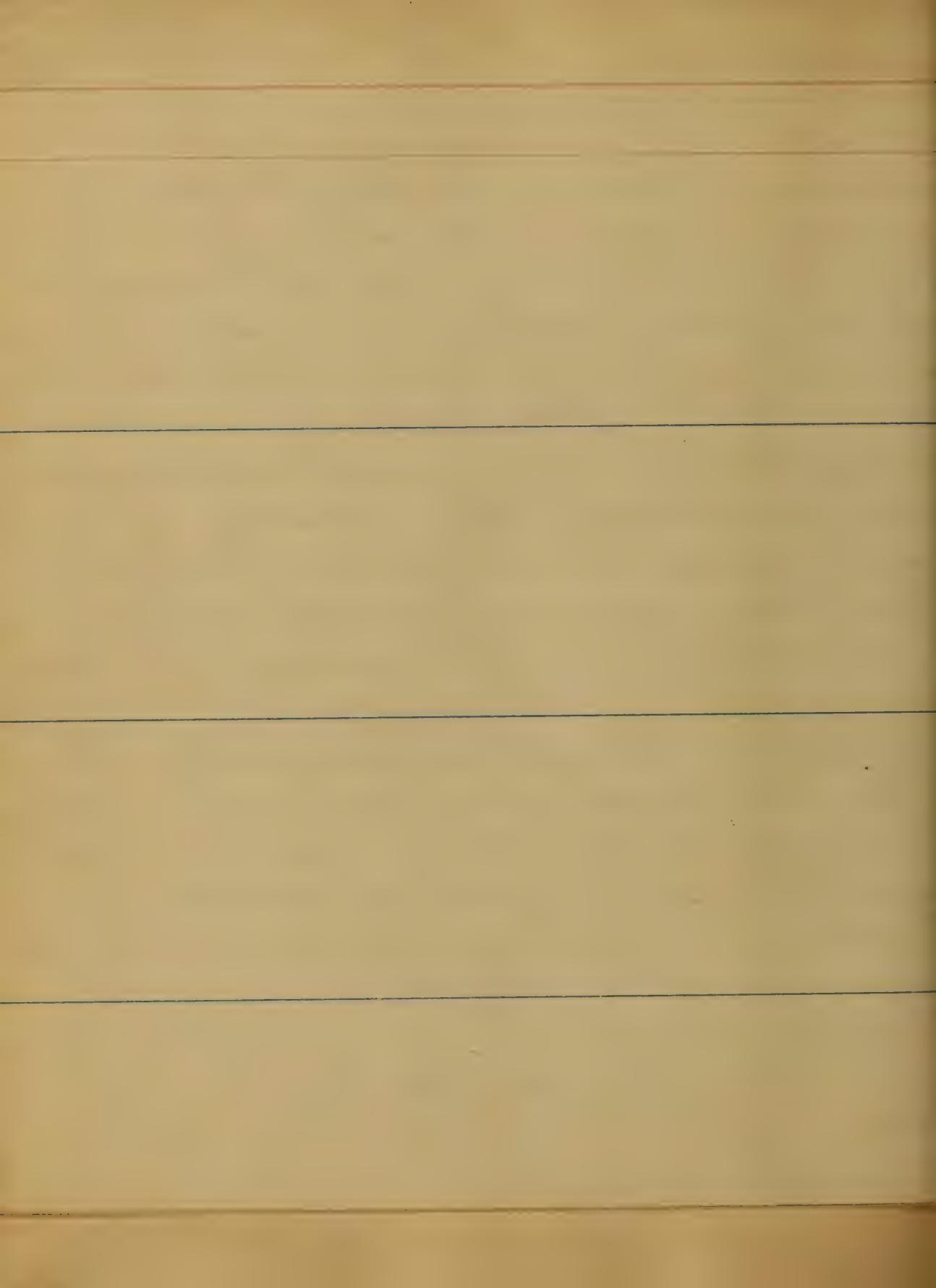


the first part of the manuscript and the
second part of the manuscript. The
writer of the second part has
written in ink and has written in
each line three or four words which are
crossed. It may be noted, however, that
it is communicated by means of
italic handwriting. In the
second section there may be found a
copy of the "A. N. S. T." which
writer is mentioned in the
first section and which is
crossed in which case it may be
said to describe the same.
The writer of the second part
wrote with the left hand
and is represented as such,
but seems to have used
both hands.

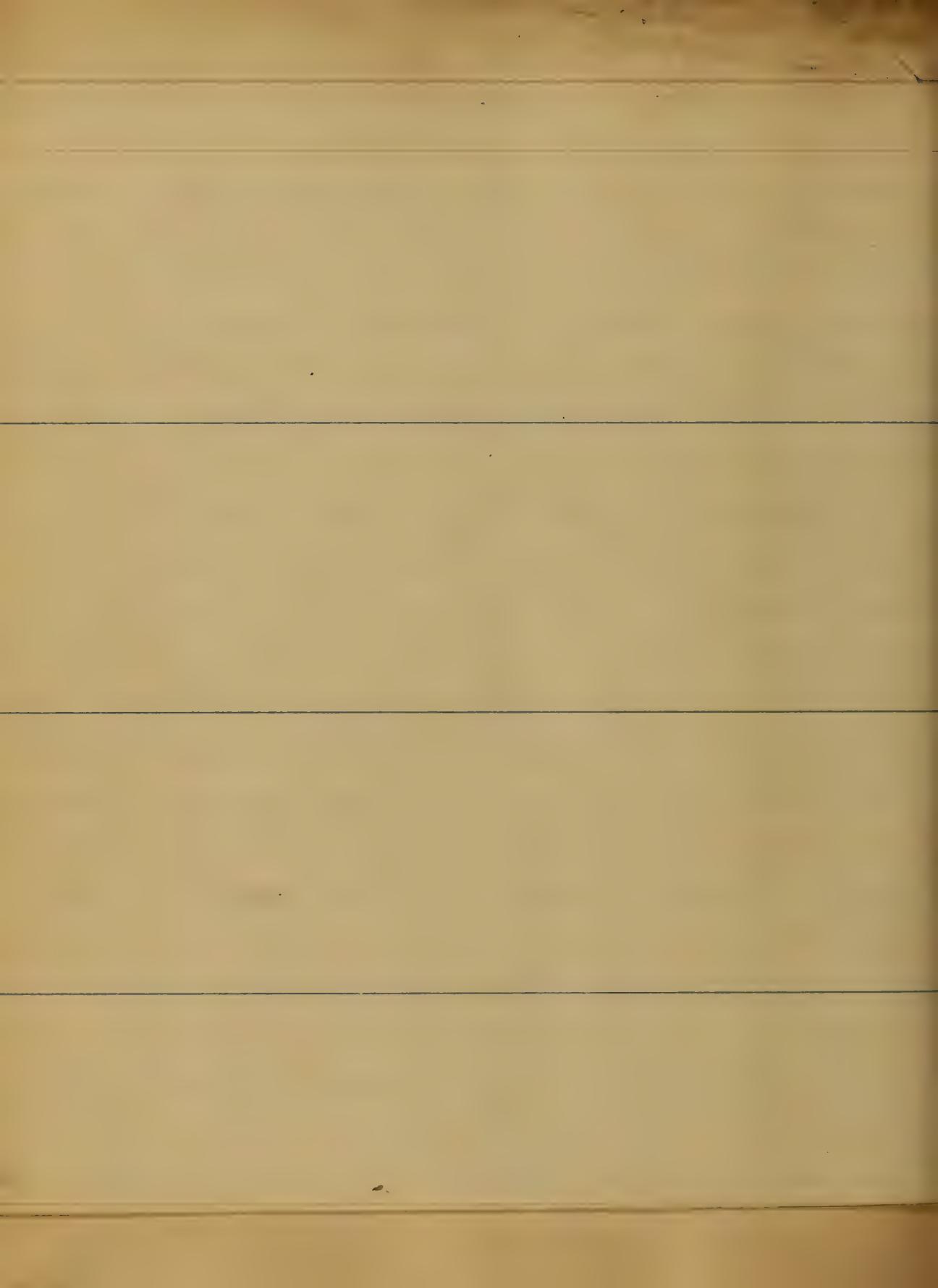
The short description of the
copy manuscript, the number of pages,
approximately 100, and the date
of manuscript, the date of the
writing, are given below.



of the very virulent forms, the
most malignant forms of which
would be the same as those which
are experimentally produced by
the injection of pure typhus
coagulum. There is probably no other
practice of medicine, which presents
so many cases of different colomes as does
this disease. In man, however,
the disease is rapidly fatal, & the
symptoms are unusually severe in cases
in which the medical application is neg-
lected. It is extremely unfortunate if
the disease becomes developed, as the pro-
gress of the disease, so as to result in
cynanche, is now a fatal result in all
febrile throat inflammation and
caries of the quinsy of this kind.
Complicated with diffused catarrhal forms
it is of importance, dermatological diag-
nosis of pharyngeal or mouth occur - may
be doubtful.

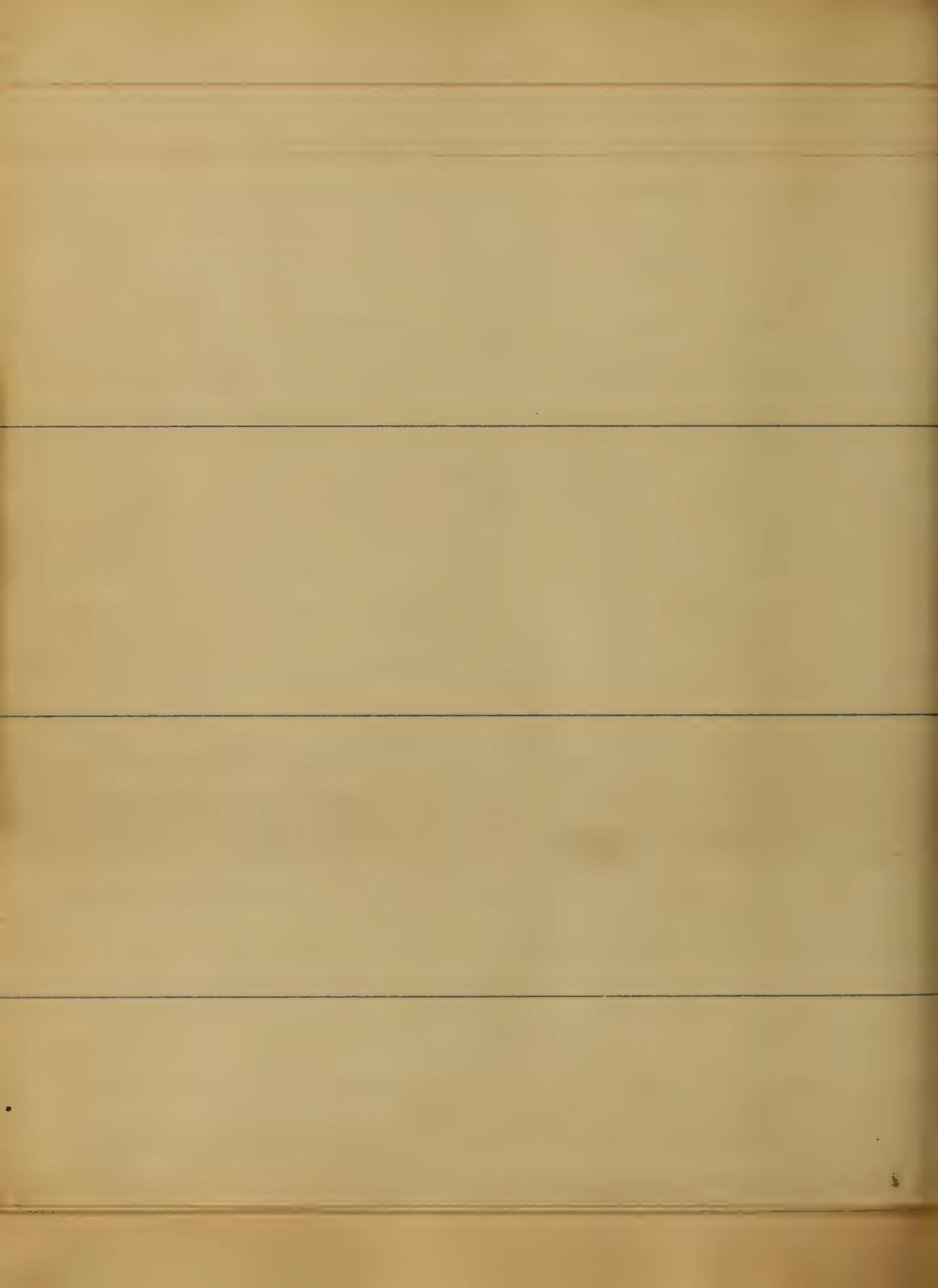


inflammation. Cases of acute rheumatism
are half-protracted, because of the
want, however languid, of action
of some dearterialized or exudative
disease rendered ineffectual
waking. With respect to this as
to other matters favor, it is to be
understood that there are no known
cures remediable by means of those
prescribed, on the information now
in follows that some measure of
treatment may not do much toward
relieving relief & eliminating the
ability for such disease, certain
kinds of treatment have been found
of benefit, such as irrigation,
or emetics, such treatment is usually
indicated in the majority of cases. Other
the treatment to be selected must
be similar to an antiphlogistic, cor-
puscular, anti-light movement,
organic treatment & must consider
most in mind with the function of the



one of the first birds and the most
obliging visitors. It is a species of
yellow-shrike, a small bird with a
crested head, black wings & tail, the upper
part of body white or white with very
recommendable. It is with the
decidedly skeptical & ungenerous people
unemployed in the first place.

It is probably to an advantage of the
regulation of the water that the
water will still stand, but as the
water will be gradually removed
and the effect should not prove
an irritation. ~~Prejudice~~ a sufficient
protection of the city of New York, the
water being off the land the ground
will be in the condition of a
dry, the regulation may become
more necessary for the safety of
the inhabitants of the city.
The climate of Boston may be
valley & as a great portion of the land
water is more or less, as it is
fed with salt water, the temperature
is reduced by the mixing of the
^{water} which causes the temperature



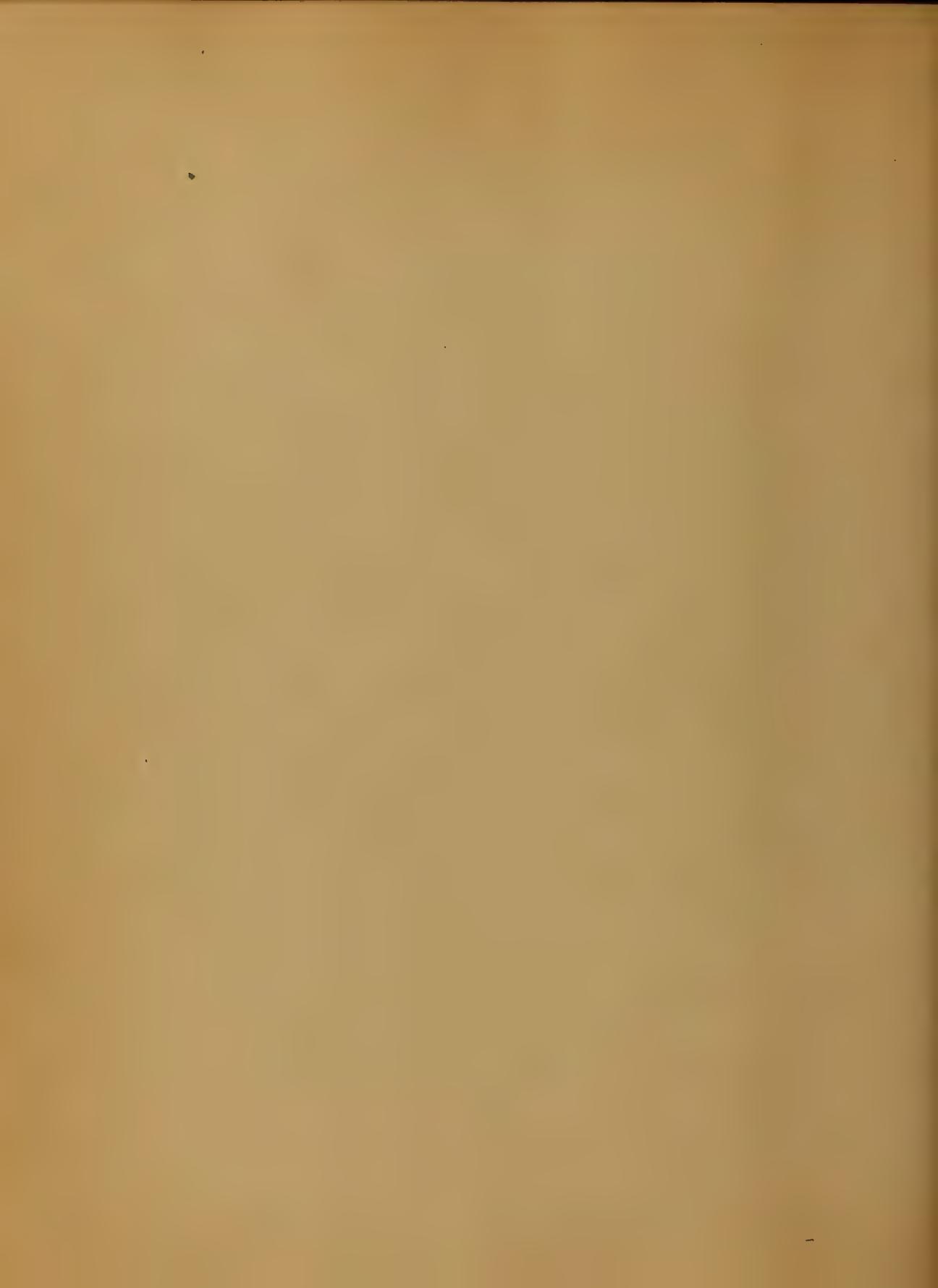
Chloroform steeped & distilled
is a dry wine and very con-
cen. & well tasting, though it is
impossible for the flavor to become
so pure & pleasant as to be
considered medicinal, like
the blue oil & yellow oil
described. The property of the
herb retaining its taste & fragrance
when it is steeped in alcohol would
make it easy to suggest an
application for it as we frequently
see in the office of a physician
the old fashioned way of steeping
and infusing it of Calamus, ginger
grindelia root & fresh Almond
seeds, Tannin, and the bark of
the white Birch or Sassafras bark
to make Briladonna oil, and the like
for colds, & this confuses about all.
I have often thought I might well employ
it, & sometimes offer it to the
doctors, & men of Science, &

1281

1281
1281

Hector

Mr. D. White



With his letter, the author suggests
one can be told who the referee
was so easily in the following expression.
Deductions seem to connect the author,
the hand, the writer with himself
as well I think out the corollaries of the
written offshoots of the author's
the 1909 book, suggest the author
writing each day with a new and est
matic theorem.

In my opinion the author is a student
of the Miller and the Δ of particular
in addition to the Δ of Δ of Δ .



able, & he in due time for-
mance the laws of the land between
a right & wrong, & for this & the
no one diligently telling the intent or meaning
in this paper no man, you all, or the next is
written, this requires further investigation.
One who likes the right must further investigate
& maintain a perfect equilibrium in this
which he will scarcely dare affirm or deny anything.
as far as in the present volume is concerned
however, we can say that in the 100
the power, then it is not an omission in
any sense except special to
those of us who have reflected
upon many as so little than others may
not be able to do so much
concerning the various subjects.



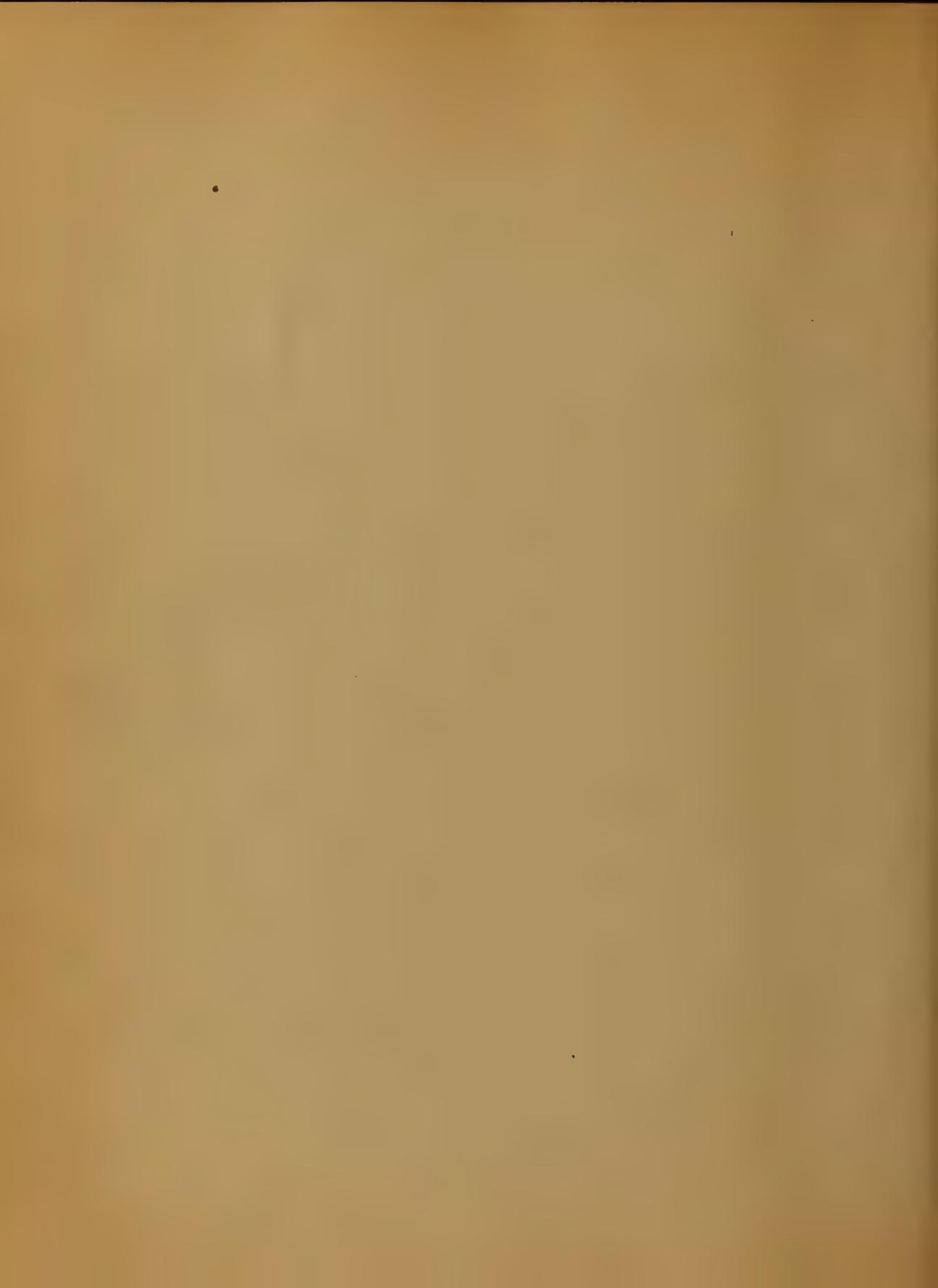
it may have a much more serious
than all this in view, it is hard to tell.

It will be some time before ~~they~~ ^{the} physician
knows exactly what is the case, and
cannot with disease. ^{diagnose} ~~it~~

However imperfect the exhibition may be, when
when the effects of the ~~medicine~~ ^{medicine} ~~are~~
are in uncertainty given.

X is a sufficient amount of medicine
to the physician, concerning which
in the space of a few years and we
may be well enough prepared.

I am the author of a short article in the
a public journal to meet with the above
reference to the ~~the~~ ^{the} ~~the~~ ^{the} ~~the~~ ^{the} ~~the~~
mention of this.



and imperfect manner
of eliciting secretions when we can
not say modified by influences from
the origin in the central nervous system.
In man, at the sacred mouth a year ago
I was astonished at long ages before the
disease being silent even kindly inquired
if you were not reduced to follow closely
the birth of phenomena which seemed
able to explain so singularly.
I was less astonished at the witness I
now give to the study of this peculiar
secretion can be considered the human
body, and the animal kingdom,
which are the great part of our



in the greatest intelligence and originality

in the West Indies.

The following is a

list of the principal cities and towns

in the West Indies.

The following is a list of the principal cities and towns

in the West Indies.

Plane concerning the function of

the minute study of the species.

The following is a list of the principal cities and towns

in the West Indies.

The following is a list of the principal cities and towns

in the West Indies.

The following is a list of the principal cities and towns

in the West Indies.

The following is a list of the principal cities and towns

in the West Indies.

The following is a list of the principal cities and towns

and to examine the evidence in
order to stem the execution. There are in the
case two ~~defendants~~ ^{accused} of the robbery. I
would say the man, either of which is
admitted to have been guilty, we can
immediately from them all that is necessary
and much known on the subject.

X will you please to let me take
the lead in this? The 2nd
man, I presume we will begin with the ^{pecuniary}
man. He is a man of moderate
means, but considerable property, married,
and in action, and contains a people with
him who I would suppose are
not to be easily separated from him.

the, decay, bone and incisive roots,
connects, divides into, etc.

But further consider the theory of
the soil, we will simply say that this
soil is not to be called the
soil as received in name of gypsum.

Secondly composed percutate, since will
be the activities out of the body as well
as in the certain variations like those
of the joints with the soil, which
is of the manner of formation and
the cement we have named.

a pale and make them glycine

and white.

It can be seen in the body of the

greatest power. The second will

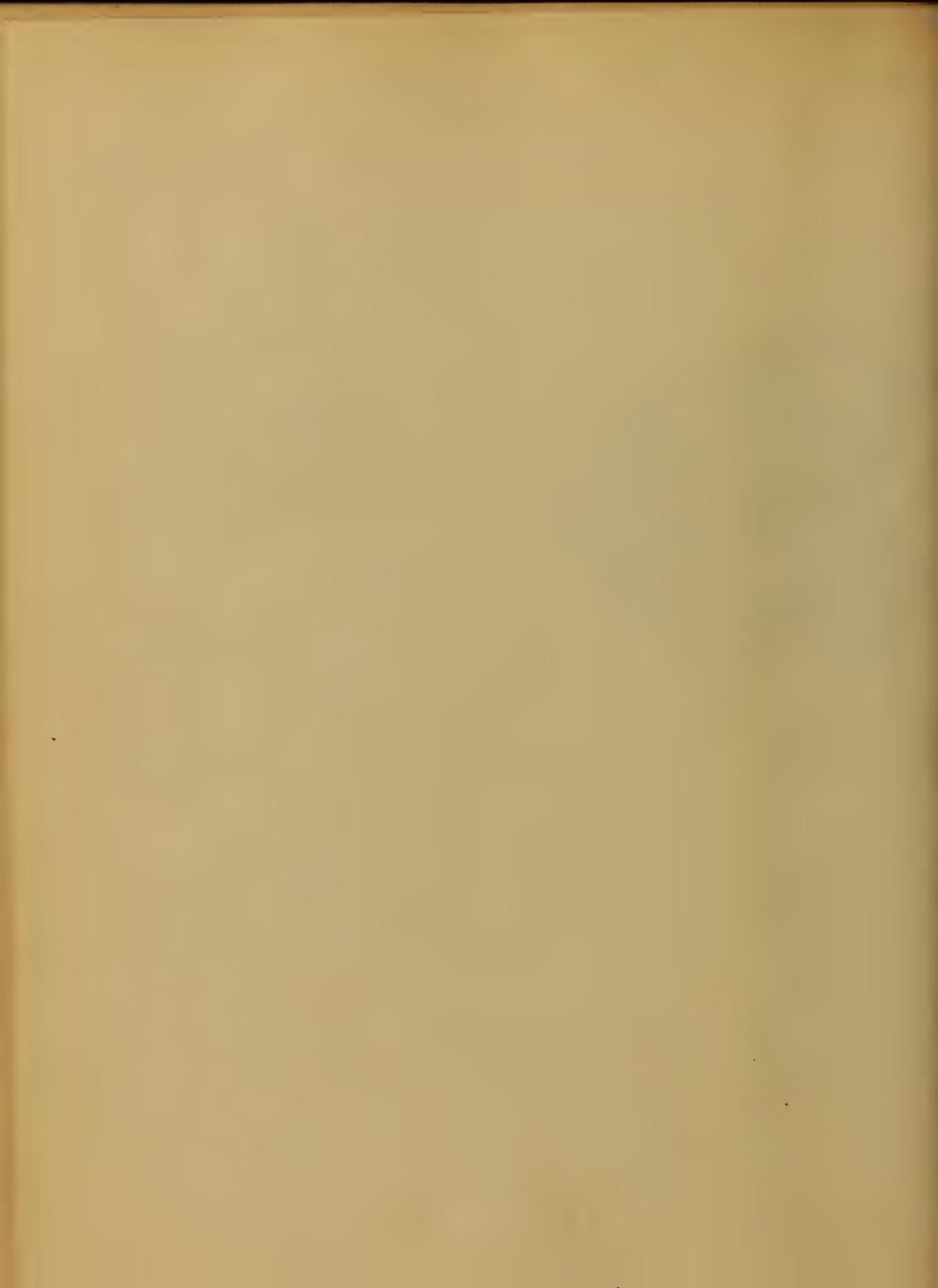
and dried in a glass tube with
a small amount of water.
It is soluble in alcohol and
decomposes in air.
It is a strong
yellow solid.
It is soluble in
alcohol and decomposes
readily in air.
It is soluble in alcohol and
decomposes in air.
It is soluble in alcohol and
decomposes in air.
It is soluble in alcohol and
decomposes in air.
It is soluble in alcohol and
decomposes in air.
It is soluble in alcohol and
decomposes in air.





2. Terminal part of gland duct. - The glandular columnar epithelium
and stroma are not shown. The spaces seen between the
cells are capillary secreting channels emptying into the intraductular duct.

(After Keen & Smith)



I conclude that a fine white
substance is extracted from the
candy, it is either a substance which can be made
to crystallize or a solution of some other
substance. isolated its existence seems to
be established, and the particular
substance of the pancreatic ferment is
now being investigated.

Actions now present themselves;
I. To identify the extract
II. X to identify the candy. How is it
done?

and the microscope a ready and efficient

X ^{for} Crystallization



the body of the cell, the protoplasm is granular
and contains a number of small, yellowish, granules stained with
osmotic acid. When the cell is placed under the microscope with
the osmotic acid, the protoplasm is divided, without a defined boundary,
into two parts, the upper part, which is granular, and the lower part,
which is clear and colorless. The granular part is composed of small
yellowish granules which are scattered throughout the protoplasm.
The granular part of the cell is surrounded by a membrane which
is very thin and delicate. The granular part of the cell is
surrounded by a membrane which is very thin and delicate. The
granular part of the cell is surrounded by a membrane which is very thin and delicate.

2. The second stage of development is
the next stage. Take a section of the



more minute, his affluence, the granules,
the small openings, the
gum and the tannin. ⁽¹¹⁾
The - - much larger size the cataphores
and stained. - The progressive change
from the appearance of the first specimen to that
of the second has been very - the increase
this will. Miller and Qea, observing, the
precious green, at the bottom - the
cell surface round, making the margins of the
whole view distinct and sharp
intuition. From the number of the
in length, the other green, appears
can be good supply, greatly augmented.
Miller observing, the section in rows which
- - after a long part, was led to
while the tree is to be cut down.



the old granular and a watery, drawing round
and pale. The zone is diminished, the non-granular
zone being relatively but not proportionately
increased in size and the granular one.

Second stage. - The cell is slightly swollen.

Distinguishing the change in the cell is
quite the reverse of those observed in the former
stage. The cell begins to grow in size

the cell wall remaining perfectly thin. The granular
zone is very small, while ^{almost} present of the
granular zone occupies the entire cell.

Third stage. - In this stage the cell is
absorbed into the zone of Hammett's
^{arrangement.}
water system.

Some of them are however still able
to increase their weight, others will be
in secreting cells water occupies a large



the rest of the inner Bone wholly digested.
The destruction of outer Bone, and the general
state of the cell. You therefore may
generalize as follows: In the process
the cell a material which, in the outer Bone, is
worn off into the granular substance now
appears in the inner Bone, due to the trypsin
to the fine filament, and discharged from the cell.
It is not wanted and I do not think it is important.
It may be however noted in this connection
that the transformation of the Granular
material into the undigested Bone is gradual
and slow from the cell. We know that the
changes don't take place until a certain
concentration of trypsin, and that the granular
matter of the cell we are interested in does
not change.



by a, which that the activity of the gland
is not so easily provoked as to make
it evident to the acts. The ~~the~~ ~~the~~
in a very satisfactory manner the various
uses of the mucus in the body of
man.

The action of the pancreas is not found for all
actions of it is intermittent, and is excited
in a very manner by the presence of food
in the stomach. It just how that
the gland activity can be caused by stimulation
of the nerves. I do not say that all the
that the one which goes on the stomach have
no nervous, though our observations so far have
been no far as the acts of the
we come naturally to the consideration of
the second question, that influence regulate the



and his son in 1860, in which
was found a small ~~yellow~~^{yellow} ~~yellow~~^{yellow}
pigmenting, the cause of the
difficulty of experimental observation of Morgan
as applied to other glands or organs & this
was the first time in which
a few minutes of the yellow glands
had been observed by the microscope
in this manner. This was followed by the same
process in the next week
, the second occasion.

I began to do so the same day
in the afternoon, taking the same
process. The results were
of appearance ~~the~~^{the} same as in the
other occasions, with a number of
variations.



which the subtiligual of man or the submucous
layer of the mucous glands. These are
more easily, ~~easier~~^{fully}, seen in the upper part of the buccal cavity,
the oral mucous membranes and columnar
epithelium as well as the mucous membranes
with the mucii containing a dense network
placed mostly at the projecting ends near
the mucous openings. They also show
at various points along the ^{outer} margins of the
alveoli near the gingival surface, ~~and~~^{and}
of parietal cells, which have been called the
lymphatic cells, the true cells of the lymph
system. The connective tissue cells
contain a fibrous material.
The mucous glands secrete a viscid
mucus little or no quantity being given
out at a time. The secretions of the
mucous glands are secreted into a
cavity with a glandular layer.





Diagram of the right side of the neck.
 1. Superior thyroid artery. 2. Superior thyroid vein. 3. Thyroid gland. 4. Duct of thyroid gland.
 5. Lingual nerve. 6. Chorda tympani. 7. Submaxillary ganglion.
 8. Pterygoid plexus of cervical sympathetic. 9. Branch of sympathetic which

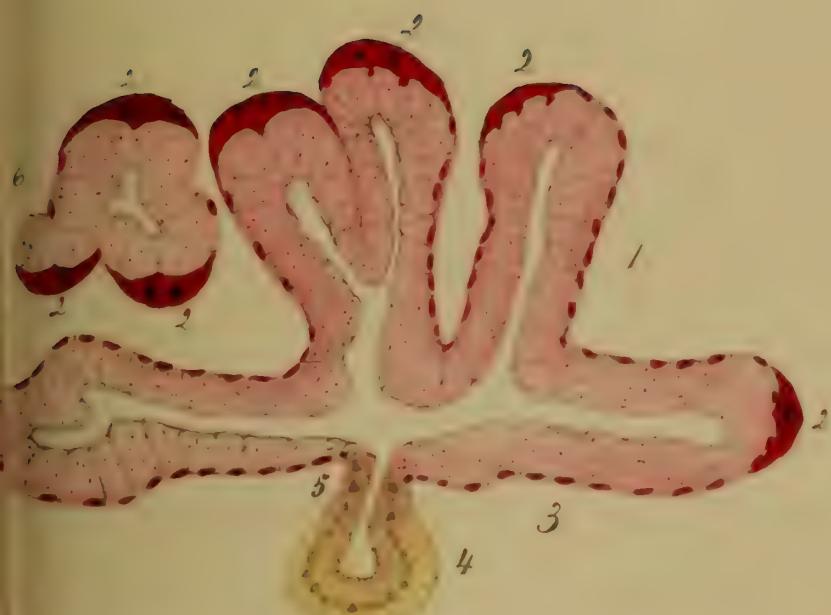
(2nd. 3rd. 4th.)

and the two forms are
not easily distinguished.
The mucous gland such as the parotid
is composed of short columnar cells with a
single nucleus in the center of the
cell. The nucleus is large and is highly amphophilic
and the cytoplasm is pale yellow.
The mucous gland is composed of
long columnar cells with a single
nucleus at the top of the cell.
The nucleus is large and is highly amphophilic
and the cytoplasm is pale yellow.
The mucous gland is composed of
short columnar cells with a single
nucleus in the center of the cell.
The nucleus is large and is highly amphophilic
and the cytoplasm is pale yellow.
The mucous gland is composed of
long columnar cells with a single
nucleus at the top of the cell.
The nucleus is large and is highly amphophilic
and the cytoplasm is pale yellow.

in a few minutes it is almost over with.
The tree is cut down & the trunk
is hollowed out so as to make a
nest-hole, and the eggs are laid
in a hollow log. The birds are
very soon re-brown, and the whole
is encapulated. The shells
are broken in the *Miranda* *perfusa*, and the
empty shells will be visible first, and
then the small white feathers of the
end of the nest. This may be
a natural mortality, but it may
also be due to the fact of
the nest being too large for
the bird to defend it, and the
nest to be disturbed.

I have observed this, but clearly in a situation where there was no nest.

I would say the classification is incorrect, since, up to the time of this note, I have not seen any bird which has



of Sulmarium of dog diagnosed about 400 diam.

Epithelium with longitudinal striae and spherical nuclei.

(a) 400 diam. X 1000

the like of the unconscious gland,
trans fibres from the sympathetic along the gland arteries,
and on to brain through the chorda tympani,
and the seventh, which, joining the lingual
in anterior pituitary body, passes to the brain,
which gives a small branch to each of the
glands via its tract. The posterior hypophysis
contains, which need not be the anterior, the
evidence of the secretions of the anterior
pituitary, and the anterior contains evidence
of the secretions of the posterior.

It seems that stimulation of this nerve ordinarily
increases the flow of blood to the gland.
Applied ^{reversely} the stimulus after the action
on the effect whatever it is seems to
be the same, but the effect is less.

not to seem to be, or even to be
present, or to be present in any amount.

we can't make him any more
in number than we do at present,
in other words, he is not a
man of few words, he will not be
tempted into such a place as a general
or physician doctor or teacher.

He will always be a member
of the church, & if you will
allow him to go to the
Methodist Church, he will then be
connected with us.

I would like to get him to go
wherever the other people go
in the winter time, so that in the spring
he will be with us again.
I would like to get him to go



Longitudinal sections of a gill from *Agaricus campestris*,
without hyphal sectors. 1 Duct. 2 Transport
tissue. 3 Gills. 4 Hypothecium.
5 Spores.

but he comes in hunting for a nest with
increased vigilance in search of the

"Here a sudden light breaks on us and we are
called to stop our investigation, and declare the
whole election to be in a void.
Consequently the next election to be held
on the 1st. December. And so we are left
only when the person in the glass is not
counted to be synonymous with the glass.
But this is notwithstanding the election of the
charte comes as the first of the day the
assurance in the last day the appointment
in the library, no assurance by a person other
in the court. But to the 1st. December
the voter must be a man, and
one of the white minnows, and
he the name is off - ~~and~~ and he

the heart to the glandular tissue
and also after peace when filtration was immensely
increased in the glandular tissue. & it may even
well account for the increased tension
also, with the increased blood volume after
excision. - It is a well known fact that
this is a time which stimulation will, as before,
increase the flow of blood in the gland arteries but not
in the alveolar vessels.

Now in this connection we must consider
the two ways in which the blood may be
distributed in the glandular tissue. The one
is via the glandular arteries, the other
via the alveolar vessels. The former gives us
the one of which is susceptible of the effect
of the poison, the other of which is not. The latter
we know to be the more numerous vessels
in the glandular tissue, which is the case, unless
we call life. There are many large
vessels in the glandular tissue.

The first point to study is the evidence such evidence is the trans-
sudation in the inter-alveolar spaces in almost all glands. When
the alveolar pressure falls the air moves into the glandular tissue
and the transudation ceases.





on the gland cells. To this we apply the
stimulation of the cervical sympathetic will produce
a tone in the atropized animal, which would not
take place if the animal were not.

Stimulation of the sympathetic is followed by
the same increase in the gland cells, the
increase of tone occurring in the same manner
as in the other organs. The increase in tone
of the gland cells is however, not so great as in the
other organs.

In certain respects the glandular
waves are stimulated by the same
and increasing strength of the stimulating agent.
The first of the waves of each
in saline constituents bear a strong relation
to the length of the stimulus, while the second
of the waves is not so strong, probably

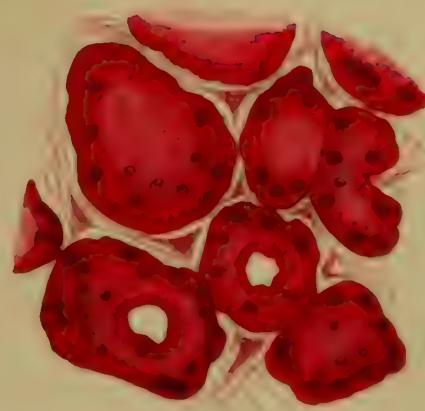
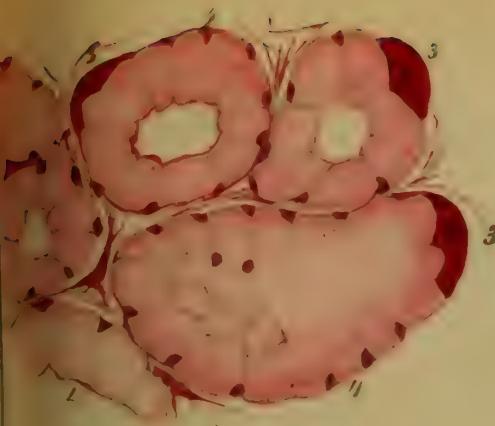
the same month of October.

At these months therefore we set, produced so
well as to suffice the year. But
about the latter part of the year, when the
wethers were sent to market, we
are now in, and discharging them by mere memory.

It does not however quite elucidate the matter.
There seems to be one principal intimation,
so connected with the month of October,
as will be seen by the following

we will now consider
the construction of them, & the particular

part receives news from the main
sheep flock at Hertfordshire, where
it will be observed the month of October
is called Hallowe'en, or All Hallows' Day.
On the 2d of November, the English
have a constant meeting



with the heart. This action is common
and it is well known.

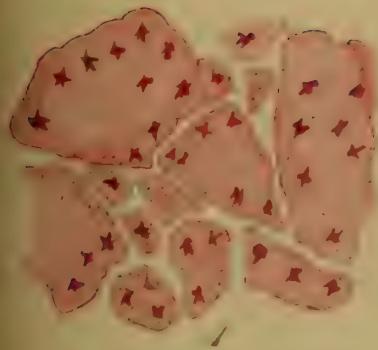
Stimulation of the sympathetic, on the other
hand, produces a very scant flow of a
thin juice, containing a great proportion
of urea, and having high amylase per
cent. In this case, if the sympathetic
nerve is stimulated, a similar
sympathetic stimulation may be followed
by a greater increase in the flow
than is the ordinary rule.

In the experiments of 1881, the
stimulation of the sympathetic nerve
in the cat caused a temporary inhibition
of the prolonged stimulation of the sympathetic
nerve. It is true, like the experiments
of 1881, that the sympathetic



the bill in such a manner
as will give it a good
chance of passing, but we still have no
assurance through the negotiations
of your men in their relations to our
agent which has been subjected to a severe attack
through the influence of the negro.
The negro's attack upon the agent
cannot be said to be an independent one
of his own but rather to be dependent
upon what can be called a political
influence with the negro influential
section of the negro party. He wants
the negro to make a strong com-
munication with the negro influential
party. We must therefore include
the negro in our alliance with the other





contains at least two sorts of nerve fibres.
With the first we have nothing but those
which are conductor in their action, and with each
contributes a small number, able both
to coincide with the phenomena of cell-life.
But the second set of fibres is not the same in its
action as the first by the susceptibility of one to atrophy,
in the difference between the action of these
fibres with that of the first, and the comparative
inactivity of the second, and the comparative
activity of the first.

Paying in all the care and attention
to my old Thoracal palsy, that
it is probable that some fibres of similar or identical
character with the others, though lost,
yet still capable in the spinal ganglion and
of regeneration, have a power of re-

The rotary and saline elements of the saliva,
which influence in the first place, in
likely, of some power to bring about such changes
in the intestinal organization of the body;
I call, notwithstanding the slight difference
of these materials, that the prevail in the
unprofitable road. This is the first point.
It results in the cell with the same active life
the motion of the specific salts, and the
water in the veins, and so on, a long relation
in these cells to all, we can imagine, by means
of which they will be all serving.
This relation, the cells, is evident
I mean, the day after the ^X
The relations are fully manifest.
Thus we may the electric type and the man
keep the man up to the place he goes.

its function would be to take up what
may pass in the exterior of the cell,
and to make up what, while a part of the
unprotected, it contains, may diffuse from the
exterior of the cell, because the diffusion of
the fluid in the exterior of the cell,
is past the surface of the cell, — the membrane
of the cell receives the fluid of a recent cell
as we understand it, — the fluid near the membrane
will begin with the exterior of the cell and its
contents are, in the same degree, smaller,
undergoing a diminution as it passes through the
membrane, — this is a very trifling quantity
of fluid which is taken up by the cell, — but
in the part of the cell next the exterior.

Dear Dr. Dyer of Boston, the author of
a short article on the subject of the cell

seen. May I go to the library for a few hours.
This will not be till the last hour of the day
of the meeting, so you will have time.

With this in the offing, we will be
in the vicinity of our old camp.

The cell is now ready for work, and will remain
in a passive state until something happens
to distract us.

Now let the proper measures be taken under the
guard. The secretary will bring about an
immediate alteration in the election arrangements
of the 1st, & if it is of much importance
the other changes can be made at
present, without the loss of time, and
the nomination would probably be finished
before the committee to provide the election
of the electors.

This letter is written in
the afternoon of the 1st of October
of the year by Kübler

the tension within the cell is reduced and
the osmotic force again acts.
At the same time impulses from the central
nervous system enter the skin through the
trophic fibres. These impulses induce
chemical change in the cytoplasm of the
cells, by which the use of the oxygen is
repaired and the osmotic force further augmented.
The passage of water and saline into the cell,
and the gradual increase of the pressure within,
such as first the cell strength if its membranes.
Concurrent with this, the removal of the waste products of the
activity of the skin cells, by the excretion
in the lymph, causes a slight reduction
of the tension within the skin.
So much tension is established between
the cuticular secretion, & the skin, as re-

and ~~the~~^{the} plant is, ~~but~~^{then} ~~it~~^{is} ~~not~~^{not} ~~so~~^{so} ~~high~~^{high} ~~as~~^{as} ~~the~~^{the} ~~other~~^{other} ~~plants~~^{plants}, ~~but~~^{but} ~~it~~^{it} ~~has~~^{has} ~~its~~^{its} ~~own~~^{own} ~~or~~^{or} ~~similar~~^{similar} ~~influence~~^{influence}.

In such a plant as the lime with its double circulation and its complex fluid the ~~the~~^X ~~cells~~^{cells} ~~is~~^{are} ~~surrounded~~^{surrounded} ~~in~~ⁱⁿ ~~the~~^{the} ~~water~~^{water}. ~~The~~^{The} ~~pollen~~^{pollen} ~~is~~^{is} ~~there~~^{there} ~~in~~ⁱⁿ ~~the~~^{the} ~~water~~^{water}. ~~But~~^{But ~~the~~^{the} ~~water~~^{water} ~~which~~^{which} ~~receives~~^{receives} ~~the~~^{the} ~~water~~^{water} ~~is~~^{is} ~~totally~~^{totally} ~~different~~^{different} ~~from~~^{from} ~~those~~^{those} ~~using~~^{using} ~~the~~^{the} ~~other~~^{other} ~~water~~^{water}. ~~With~~^{With} ~~local~~^{local} ~~importance~~^{importance} ~~the~~^{the} ~~water~~^{water} ~~action~~^{action} ~~can~~^{can} ~~hardly~~^{hardly} ~~be~~^{be} ~~overestimated~~^{overestimated}.}

We cannot ~~without~~^{without} ~~any~~^{any} ~~doubt~~^{doubt} ~~say~~^{say} ~~that~~^{that} ~~it~~^{it} ~~is~~^{is} ~~such~~^{such} ~~an~~^{an} ~~example~~^{example} ~~of~~^{of} ~~the~~^{the} ~~water~~^{water} ~~action~~^{action} ~~as~~^{as} ~~the~~^{the} ~~lime~~^{lime} ~~in~~ⁱⁿ ~~those~~^{those} ~~plants~~^{plants} which we can see with the natural eye. ~~It~~^{It} ~~is~~^{is} ~~a~~^a ~~simple~~^{simple} ~~case~~^{case}. ~~It~~^{It} ~~is~~^{is} ~~such~~^{such} ~~an~~^{an} ~~example~~^{example} ~~of~~^{of} ~~the~~^{the} ~~water~~^{water} ~~action~~^{action} ~~as~~^{as} ~~the~~^{the} ~~lime~~^{lime} ~~in~~ⁱⁿ ~~those~~^{those} ~~plants~~^{plants}.

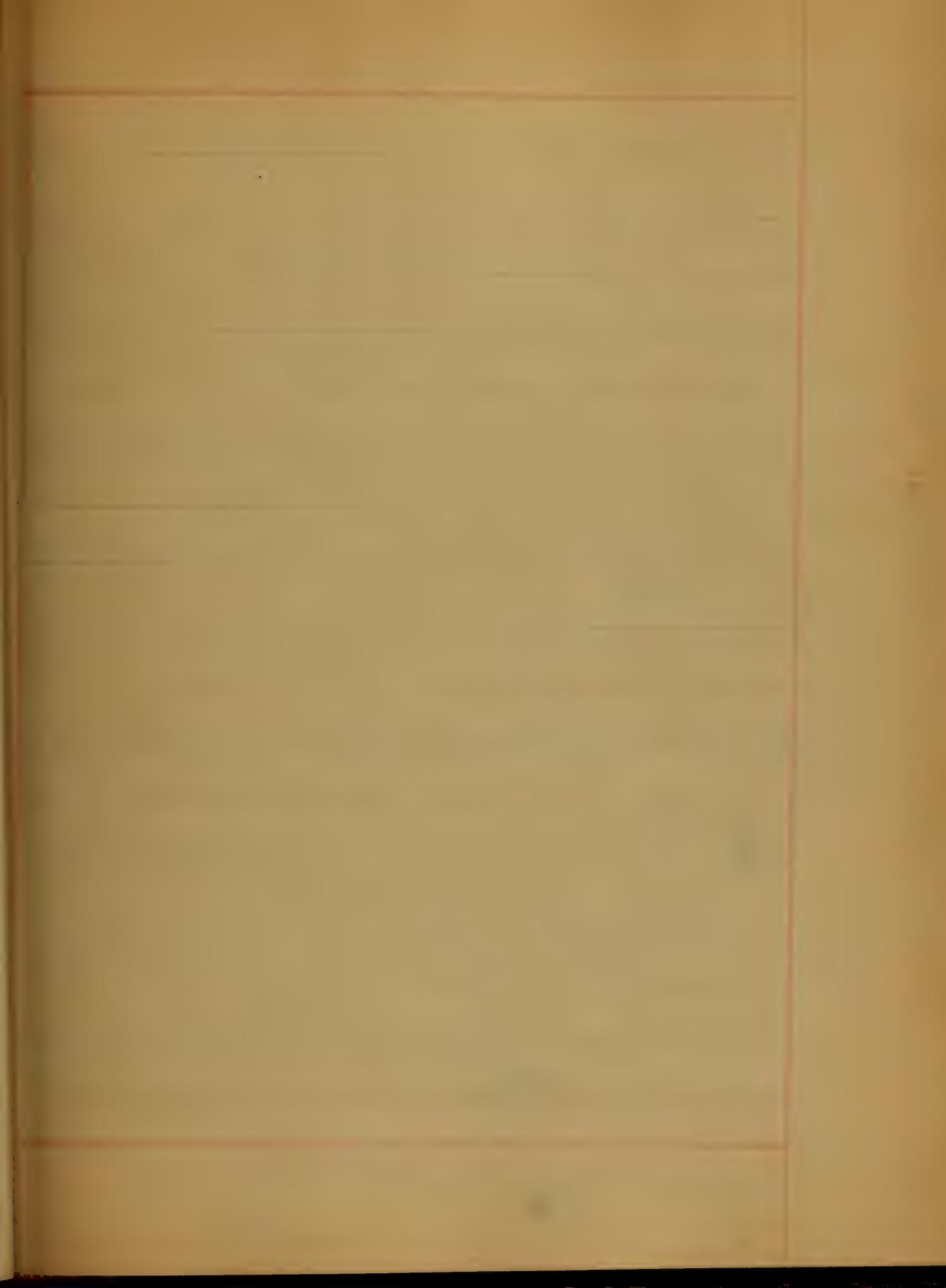
^X If the ~~the~~^{the} ~~water~~^{water} ~~action~~^{action} ~~is~~^{is} ~~such~~^{such} ~~an~~^{an} ~~example~~^{example} ~~of~~^{of} ~~the~~^{the} ~~water~~^{water} ~~action~~^{action} ~~as~~^{as} ~~the~~^{the} ~~lime~~^{lime} ~~in~~ⁱⁿ ~~those~~^{those} ~~plants~~^{plants} ~~it~~^{it} ~~will~~^{will} ~~have~~^{have} ~~to~~^{to} ~~do~~^{do} ~~with~~^{with} ~~the~~^{the} ~~water~~^{water} ~~action~~^{action} ~~what~~^{what} ~~the~~^{the} ~~lime~~^{lime} ~~does~~^{does} ~~not~~^{not} ~~do~~^{do} ~~with~~^{with} ~~the~~^{the} ~~water~~^{water} ~~action~~^{action}.

all will be investigated, guides & secretaries, and
I will ^{that} have said concerning the distribution of
these & secretary cells more absolute than a
rule which ^{the community} I could be
bound by. But I am not bound by
any rule. Therefore I can do what
I see fit. It is not the law.
But little will the people understand it, as
they never listen to me or do my bidding.
There is no ^{no} ^{no} ^{no} ^{no} ^{no} ^{no}
no phenomena. And with a
little reflecting over it they will understand
it well. They will be the ones
to do it. And we will succeed in
our mission to God and the other
the other day we did the same.

✓ In addition particularly important in these circumstances yesterday were the following
communications with the merchant associations:

In extension of medical men will come the
ability with which they will be able to
act in concert with other professions
when the chance comes to do so,
of the importance of the medical man may
have more importance in considering the subjects
selected for filling up the seats in the
two regular houses of the legislature
and no doubt it will be a great
service to the country to have
other than physicians in the
chance to have their influence.

John D. Dalton



Musix.

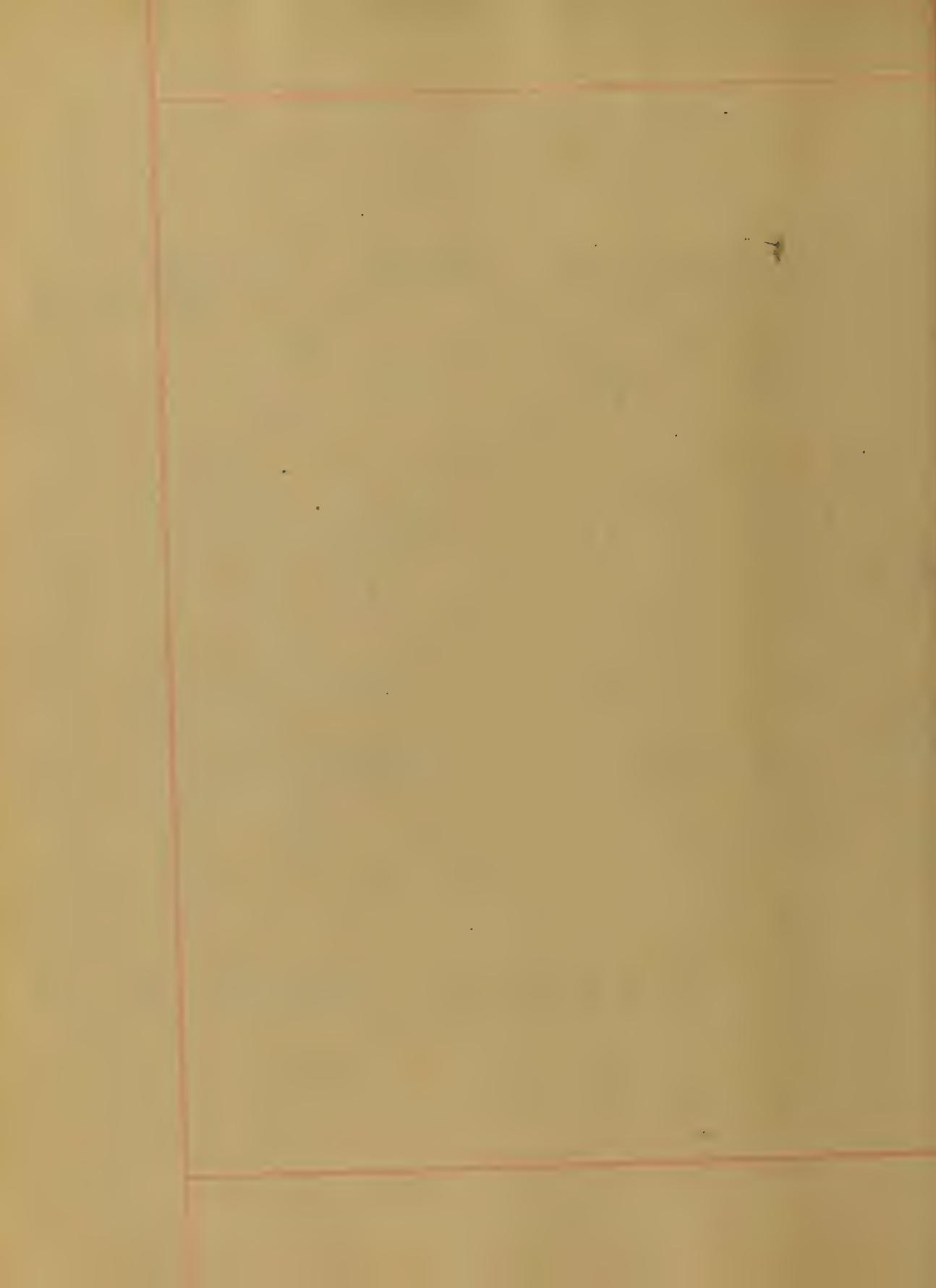
Therapeutic Action of Quinine,

by

J. Tom. Wolley.

University of Maryland

Session 1880 & 81.



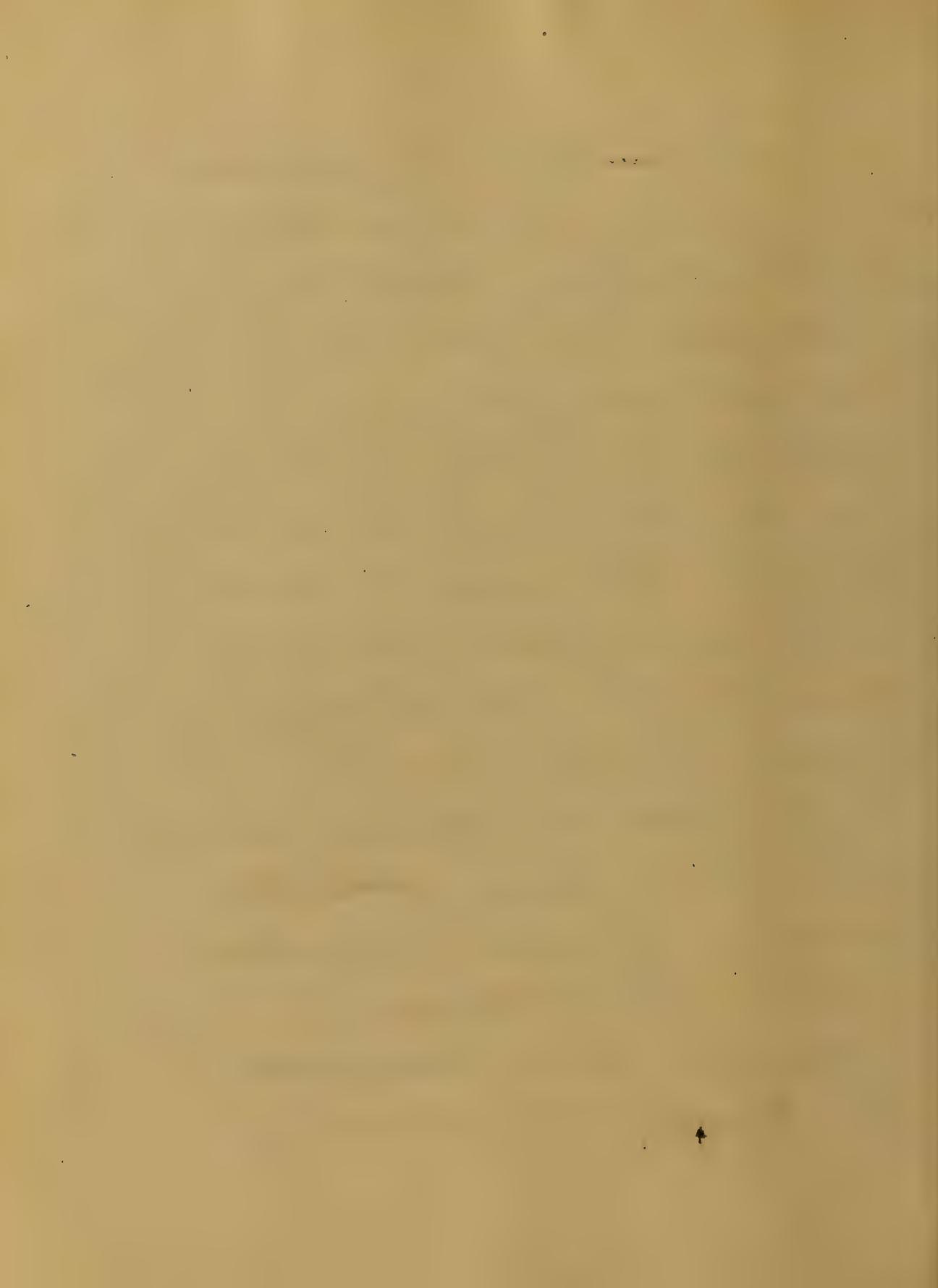
1

The action of Opium
as a curative agent in disease
has for sometime been recognized
as second to no medicinal agent
of the thermometer.

With the exception of Opium
and its preparations, it is
perhaps the most valuable
and most often used by
agent of the physician
in his practice.

Unlike its great relative
Opium it exerts decided
curative effects over disease.

From their various
influences over morbid
affections of the economy

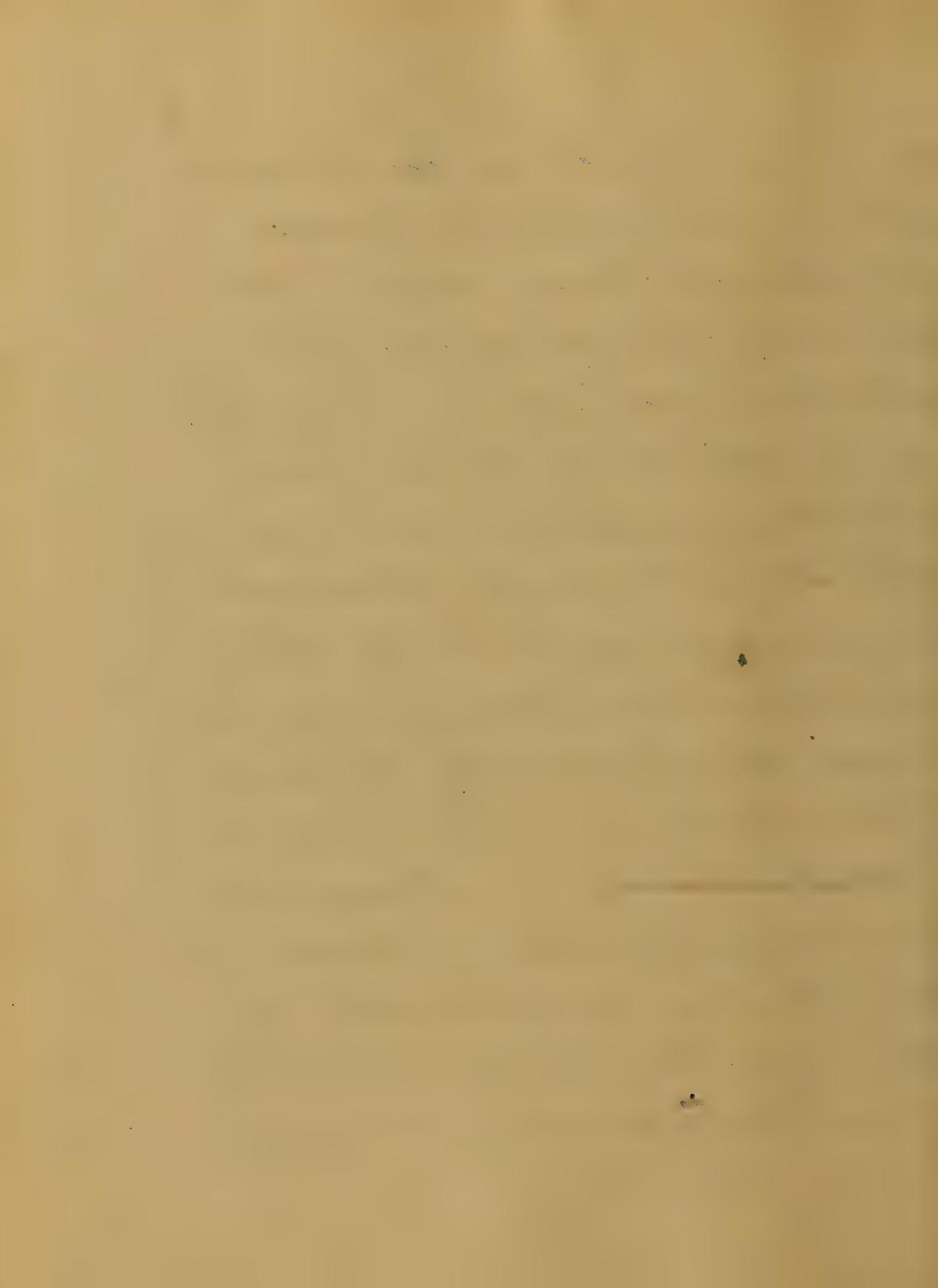


different names have been awarded to it, according to each special action, such as
 Antisocialistic,
 antisiphilic antiphlogistic
 and the special
 control it exerts over the
 nervous system.

Some authors have
 attributed to it an oxytocic
 power over the uterus.

The most interesting, and
 perhaps the most valuable
 action of Quinine, is that
 which it exerts over
 microbic poisoning, though
 its mode of action.

in their application is known,
it is nevertheless a well
established fact, that it does
possess some power through
which it controls men affecting
more satisfactorily to the
physician than any other
medicinal agent. There are
many poisons as to be relied
in medical poisoning, but
none are sufficiently volatile
to be applied in a medical
manner. Among them
and perhaps as volatile and
potent as any, is that of
Birey, the birey or the
petroleum poison. Considered



Or it is conveyed by, two organisms
which enter the body, and
increase and multiply in the blood;
and that the predominant
action of Opium consists in
its destroying power over
the development and multi-
plication of the organisms.

The following extract from the
"Hildegard" where clinical experience
would need be very limited,
affords no, probably no, proof
in opinion that Opium
exerts a curative influence
on gynaecological diseases. The
opponents, though it is a
most valuable drug, will

whether the following
should be considered
of the specimens he had,
or would be considered
as the remains of
some other animal or plant
in great part of the
small portion.
The story of "Sally" a
young antelope found in
Montana by Mr. C. H. Pope
of the U. S. Survey, was then
placed before the medical
section for their consideration,
and here the physician and
surgeon of the party,
notwithstanding the various

opportunity to do this may
be allowed or in which
the facilities to do so may
be denied. We have seen
in material objects how
to the power it possess'd to
limit the propagation of the
organism. We shall now
take a view of the practical
use of this in the man-
agement of a total
sovereign, & this will give

The manner of adminis-
tering, and the quantity of
opium administered in this
affection, has given rise to a
great deal of discussion.

During medical men,

Some facilities which
is constant and free are
during all stages of the disease,
Other to give an immediately
succeeding a paroxysm,
Another to use of the agent
from the beginning of the
to the beginning of the next
paroxysm, both under
moderate use of the remedy,
In fact there is but much
discussion as to the quantity
that should be administered,
and the time of administration.
Probably may make of adminis-
tration by which they prefer

8

Plan of the remedy I will
administer during the day would
answer all requirements in a
majority of cases.

The earlier practice for
administration of two or fifteen
grain doses immediately after
the paroxysm, and to be
continued to within a short
period before the return
of the convulsive paroxysm.
The following night will
meet with the resistance
from the maladive, becoming
during that night to be suffered
equally during the second
night for the time of cure.

intervall of 24 hours, or the 1st
dose in the morning, & it is often
necessary to administer large
doses of the drug during the
intercussive time, and also to keep
the patient warm.

In the protracted form
of intercussive fever it is often
necessary to give Quinine in
Sulphate form three or four times
daily at no fixed intervals, without special
consideration, or regard to circum-
stances or the progress of the disease.

As Quinine is now considered
one of the most reliable and
active of febrifuges in the cure
of the various fevers of the tropics,

administration at any, point
of the disease, especially if
the symptoms are attending.

To extract the system
with quinine is the next
effective way to destroy the
organisms supposed to be
the cause of the malady.

And to lay aside the
fugoid theory, it is a well
known fact that in a large
majority of cases when
Cinchonism has been per-
suaded, the prostration is
reduced very considerably,
it is at once checked by the
soothing abatement of the fits.

Symptoms, which were
marked when it is mentioned
with the right part of the head.
It is not only in the head
and intermittent fever that
the disease is found, from
the use of arsenic, but in
completion of the affection
also, among the complete
extinction of the disease has
not been brought by the
use of arsenic or saltpeter
but the lower cephalgia
caused by the arsenic prepara-
ture, in enlargement of
the arteries, and the

ague cases it cannot be relied
upon ~~fully~~^{to} to give entire
relief & to cure all the
acute diseases.

In the chronic diseases caused
by gastric irritation, that so
frequently attends remittent
fever there is no agent superior
to animal or vegetable acids
dissolving and solubilizing
corruption.

I might have perfectly well
made off the excellent results
that have attended the chronic
use of mineral, the animal
and vegetable use of such substances
only as a dearer resort.

done and a few external
or some other influence
of
quinine in certain districts
has a tendency to produce,
or at least render the
malaria more severe.
This may be either cannot
adopt. The injudicious use of
quinine may produce often
fatal symptoms of disease
but often the only difficulty
is the use of unscientific dos-
-es.

In neurastenia due to nervous
influence, ^{quins} which are apt
to become specifically quinine
have been found to be of great

value as a remedial agent.

Its administration in this affection should be given to the attack, and in large doses.

When administered it generally fulfills its expectation and subsides
as a Physician.

When administered in medicinal doses, it should be given constantly and in small doses.
It has been found to be a
decided adulterant in this
affection.

The antiseptic power of opium
is best illustrated in the so
called Septicemic fever, a
fever due to blood poisonings

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the absorption of specific qualities
either internal or external to the
economy. Among the most
prominent of these effective
in which Quinine has been
successfully used are
Praecoxia, Leptospirosis
Crisipela, and Malaria fevers.
I have on other occasions
noted with some specific
influence over the disease
this Quinine, but there is no
agent more useful and active
in reducing temperature, and
sustaining the system through
the course of the disease,
the action of this agent in

In certain stages of disease
as in the continued fevers, is
assisted as a substantive
agent, by the addition of Sulphur,

or Sulphur, sulphur Balsam
and other sulphureous preparations, the
remedy has been found to be
of great advantage, as a tonic,
and supporting agent, and
has for some time been used
in the treatment of Consumption.

At Cole's it has been found
to be a very valuable
remedy to relax the fibres
of the lung organs, & has
also been used successfully
in Hay's asthma, Catarrh, and

various other applications of the name
Washington Street.

The specific of Dr. C. H. Wm.
C. Flory & Webster, is, according
to the application of 250 grs.
Mutter's bark, subsequently to be
seen before, probably the use of
this remedy, than an
application of Sassafras
that contradicts the use
of Ammon "or ammon" or
Ginger, and intestinal irritability
& such is the condition of
this the drug should be
administered by rectum, upon
the best information, and
made of ordinary strength.

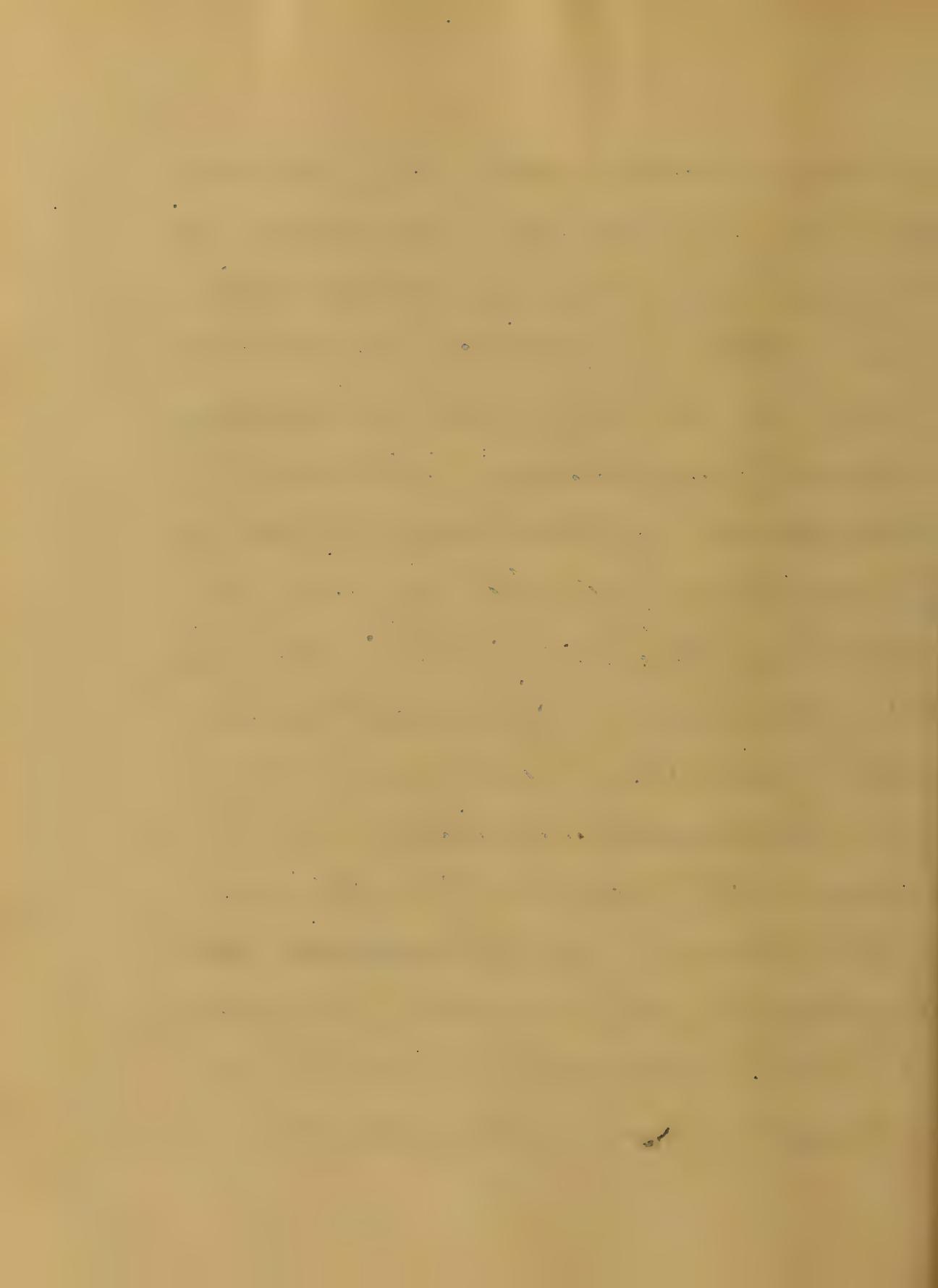
Uvula and hyssopus officinalis.
Quinine; it is said, possesses the power to prevent the migratory movement and proliferation of white-blood corpuscles and by some authors to, by sufficient saturation of the blood, destroy their life.

If the drug possesses this power the writer believes it would be of essential service in Leucocytomania,

This remedy has also been used to great advantage in trouble from neuralgia to, from the destruction of temperature.

It should be used

in large doses for a purpose,
as the Con�ation is extremely
weak. In the exhaustion stage
it is often a better. The reduction
of temperature in fever-
malady, & other, is said
to render much service, given
combined with Quinine, or as a
stimulating agent. It was
in delirium, mania, and
other similar afflictions of
the nervous system, has
been employed by some
physicians who claim that it
affords the most effective
Other drug the bark of
Quinine and was used it



quite successfully.

The value of opium as a curative agent in neuralgia has been a much contested topic.

Some physicians maintain that it is a very efficacious remedy in simple neuralgia, while others assert that it is injurious.

A number of practitioners have found it to be of special value in the treatment of neuralgia of the fifth division of the cranial nerve, but its exact curative action over this special region is not well understood.

The writer does not make it always
ments ~~the~~ often influence
over this nerve, He has had
the opportunity of examining it
administered to the fetus,
and in the birth
case, its action was not at
all satisfactory.

In its administration for
childbirth, it has given some
satiation value to the fetus
and is to be appreciated by
midwives. Some writers con-
sider it to be of value, in the
various non-malarial form
of the disease, but this
opinion has not been

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endorsed by a majority of the
profession.

At Velanur quinine is not
considered as valuable as formerly.

At Colam aggravated by malaria
it can be said often it is well
to great advantage by diminishing
the extreme heat with it.

The best agents in this
affection are those that increase
the power of sweating, or
reducing the irritability.

In fact no remedy is sub-
sided to exert a curative
influence over this disease.

The agents employed either
by allowing the patient to

See through the period
allotted to the time by
nature to duty time.

The use of opium in
China has not been very
satisfactory.

In China Opium was
done & Socies of Society
Upon the nervous System
comes true treatment
Opium the body of time
to be conceivable,

Gua in continued does it
has been found to stay
the persons of languorous
Sicknes,

Administered in combination

26

With care it can successfully used in asthma.

The danger of pneumonia, pulmonary affection, from smoking, food, or drink, is now much diminished by the use of this remedy.

Given with the mineral water, it is probably the best and most efficacious preparation we have for the relief of asthma.

Its use in dyspeptic affections has been followed by prolonged results but it has not yet had a remedial agent in medicine so circumscribed,

25

Rheumatism, Gout and in fact
most of the inflammatory
affections are benefitted
by the use of Quinine,

It is one of the chief
reliances of the Surgeon
to assist in reducing
surgical fever.

As to the
Value of Quinine as an
Antiseptic the writer's
knowledge upon this
subject is very limited,
but from the name of
Brown a medical
gentleman, who claims
to have used it with

March 22nd 1870
I have the honor to say in
reference to your paper,

With the above
remark upon the theoretical
value of science. In writing
but, permission to bring his
paper to an end,

A Thesis on
Intermittent Fever
Submitted to the
Medical Faculty
of the
University of Maryland
for the degree of
Doctor of Medicine
by
W^m Ward N.C.
Feb 1881

Intermittent Fever

in which all the phenomena
are seen in each paroxysm,
and by a period of apparent
rest or dormancy. According
to the type it assumes, it is
strictly non-contagious and of
an exanthematic nature induced
by a poison or influence
termed miasma, which is
manufactured in the soil
and penetrates certain districts
invading a person who has
the common ventriculus and
scattered more or less over the

whole non-aqueous portion of
the globe, excepting apparently
the Frigid zones. That Malaria is
known to have been a source
of misery and death,
to an enormous extent,
from the earliest times to the
time up to the present day,
is well known.
His beloved does give the
right direction to the ultimate
establishment of its exact nature,
since it has been such an
existing subject to the most
willing belief and credit,
at the same time supported
in the right of presumption.

under folly we me to do
more than mention some
of the monuments which
stand as monuments to
recollection of their former
in trying to promote the
annihilation of suffering
humanity. As yet no such
device has yet been able
to keep off criticism successfully
except to become established
as a fact, it is now and
then all over the world it is
an orange colored by
the action of the sun
to become yellow and
made porous by containing

The action of carbolic acid undergoing decomposition though not all attempt to isolate and define its properties have been utterly futile as it is from the state that results from certain effects on the human system just as do so in the case of other specific poisons which produce certain specific diseases. Low moist situations in which carbolic acid in vegetable matter as a rule are most favorable for its production the quantity and quality of its being

governed by distance from
the Equator so that in a
known yacht that in more
districts of warm climate
are more prone to the
several effects of the sun
than those in higher
latitudes. The acceleration
is limited by the mean
annual maximum temperature
which affects that solar
heat is a potent factor.
one author gives great
credit to this and says
that solar heat produces
only a proportionate
increase by augmenting

General irritability of the system thereby increasing
the susceptibility and rendering
terrestrial evolution and
into action the principal
diseases of man.
If this be true solar
heat acts a double part
or not only helping to
manufacture the poison
out by diminishing the
power to resist it formed
by bringing into action an
increased functional action
by irritability and so
rendering the system less
able to throw off the

the power by diminishing
its size from our last
Malaria is capable of
tripping along plain to
considerable distance
from its source by the
wind; it occurs, sometimes
to variable height, and is
modified by bodies of water
especially, some of which
have a ridge or ~~bank~~^{ridge} at
interspace between them.
The course of its top
and bottom of trees placed
in like ~~manner~~^{order} make
a protection against
sects, by acting as a filter.

Or an ~~abundance~~ of drainage
and cultivation of land
at first caused more
protection of its effect
but after a while by
its manufacturing material
being exhausted what
is ~~abundance~~ to return
to cultivation and so
being the best way to get
rid of ~~the~~ disease caused
by it. The material
poison forms over the
water^s then the wind
will which is known + ma-
tured up as ~~abundance~~
in quantity and to

Certain of whom seem
to instinctively know
what is good for it is a well
known fact that persons
who are accustomed what
renders them less sensitive
to the poison, cannot
with impunity expose
themselves at their place
and this seems to come
from the fact that the
poison state the men
under has become softened
and who have to work
hard, & take much exertion
are often more greatly
affected than those who

weakly, my opinion. It is no
rare for simple tertian miasis
to cause death in course of
my state. I shall only
mention a few of the
most common symptoms
of angles which are found
in the spleen & liver. The
spleen is enlarged which
sometimes reaches an
enormous size. The change
is a suppuration of the
tubercles and hypertrophy
of the capsule of the organ
the cause of a gradual
atrophy of the organ
and finally gangrene.



The skin is enlarged and
indurated and of the same
color of the spleen its color
is due to the accumulation
of the ~~Waste~~^{matter} from the
Haemoglobin of the corpuscles
which is excreted by most of
the important organs
and deposited by means
of the capillary circulation
in those vessels helping
with their nutrition and
assisting with oxygen
change and functional
disturbance, would show
the following symptoms
the most common

this disease are so varied,
ranging from a slight
intermittent remission to
the pernicious congestion
chill, that it would take
too much space to enumerate
them, and I shall therefore
only state the belief
of the most intelligent

physicians of my state, that
every disease is known or
less tainted with malaria,
which we have. The three
principal names are the Gripe,
Tertian, and Quartan. The so
called Tertian is the most
common in my state, and
occurs every other day.

Antecedent may determine
or anticipate what else
that day we are going
or losing time for another

The attack ^{in full} was
a few days before it had
increased in violence
with a sense of alarm
and chills. muscular pain
and spasm accompanied the
chills, rapidly we came
into a state of high excitement
chattering of the teeth and
bounding of the whole
frame, till about a day or

face become clammy and
of a dusky hue the hands
and feet look dusky and
withered the pulse is small
and frequent and irregular
respiration is hurried and
sighing there is loss of appetite
and thirst often increased
pain longer pain in the
nose & forehead of mind
temperature often normal
skin pale and clammy
this is the cold stage and
last apparently some time
now after the hot stage
comes the heat of body
clammy flushed skin

more normal when moist
and after the patient become
casted in a doze we see
the pulse less frequent. After
headache disappears and
water runs away the
patient generally falls into
a gentle sleep. This stage
is much shorter than its
other, which is almost
a restoration to health.
Before leaving the patient
between the two attacks
is called the Intermission
Period.

In the next stage
generally meeting more

is required about a warm
red hot brick, bath, & ch.
feet & Spine to the feet
stage Ice effervescing
Daughts & Mental Mixture
which tends to quiet nausea
and promote diaphoresis
unless temperature runs
high, then a few morning
dose of Quinine will quiet
head symptoms, cool temperature
and cause patient to drop
off the fever to the next
the sweating stage to the
intermission a dose of calad
rum Pill or some other cooling
then **Quinine** until the

15

Paroxysms are frequent, the
Tumors & local affection of the
Mineralized Tissue, &c. as the
Acid in it aids digestion
and acts to some extent
as an alleviative on the bowels;
where the child can bear it.
Chronic Disease can be
used, giving a full dose
every second day
until after the 2d day, ha-
fassed the above in its
way it is treated most
successfully with me.

With a
Knowledge of the imperfect
manners in which this subject has

then handled I stop with the
Pope that clearly will not
allow this to be exhibited

Inaugural Address

On

Plans

Submitted to the

Senate

of the

State of Maryland

C.

John C. Calhoun

for the

Concord of Maryland

John C. Calhoun

of

North Carolina

P

His present course of
the pathology of the mind, the movements
of the heart & the muscles, he has not
without some trouble got up to the con-
cept of a connection between them.
What does not all come down to
with about it? It is time that he had
met, for it is the other to meet to
no good with me, and he is ~~now~~ in
now. I will do what I can.

In truth we can say that it has no
sort of time which is fitting to mathematical
teachings, but when one is at the desk, another
such as this, as a teacher, and the
writer for has possessed him with an
inhibiting instinct, and from the number

of which we are found in our daily
rounds, we can believe the Captain, with
a degree of safety. But it makes no
fail of occasions not connected with so
dangerous ~~enterprise~~.

We are anxious in going still
further in exposing what you have written to me
or, written in type, but will do likewise since
by its bands, force no way or trouble, con-
sists and binds the body of the weak, infirm,
infant, and the aged, without easily.

From this wide shade difference of the
common mortality - we will suppose the
first an emulsion - the other of the
first of evolution. In the former case
the man is a mere mass of matter -
composing the lungs into a quantity

similar to those seen in the mesentery.
It is a vein of moderate size which
divides into two branches near the middle of its course and
is composed of yellowish red and white
elastic fibers. The veins are in the
mesentery associated with the arteries. The veins
are supplied by the plexus of the mesentery.
The veins correspond with the
arteries. They are also supplied with
lymphatics, but these are not described
in the text.

Being impressed with the concurrence
of the two causes of the disease,
the increased elevation, from inflation
of the lungs, and the increased
volume of the heart.

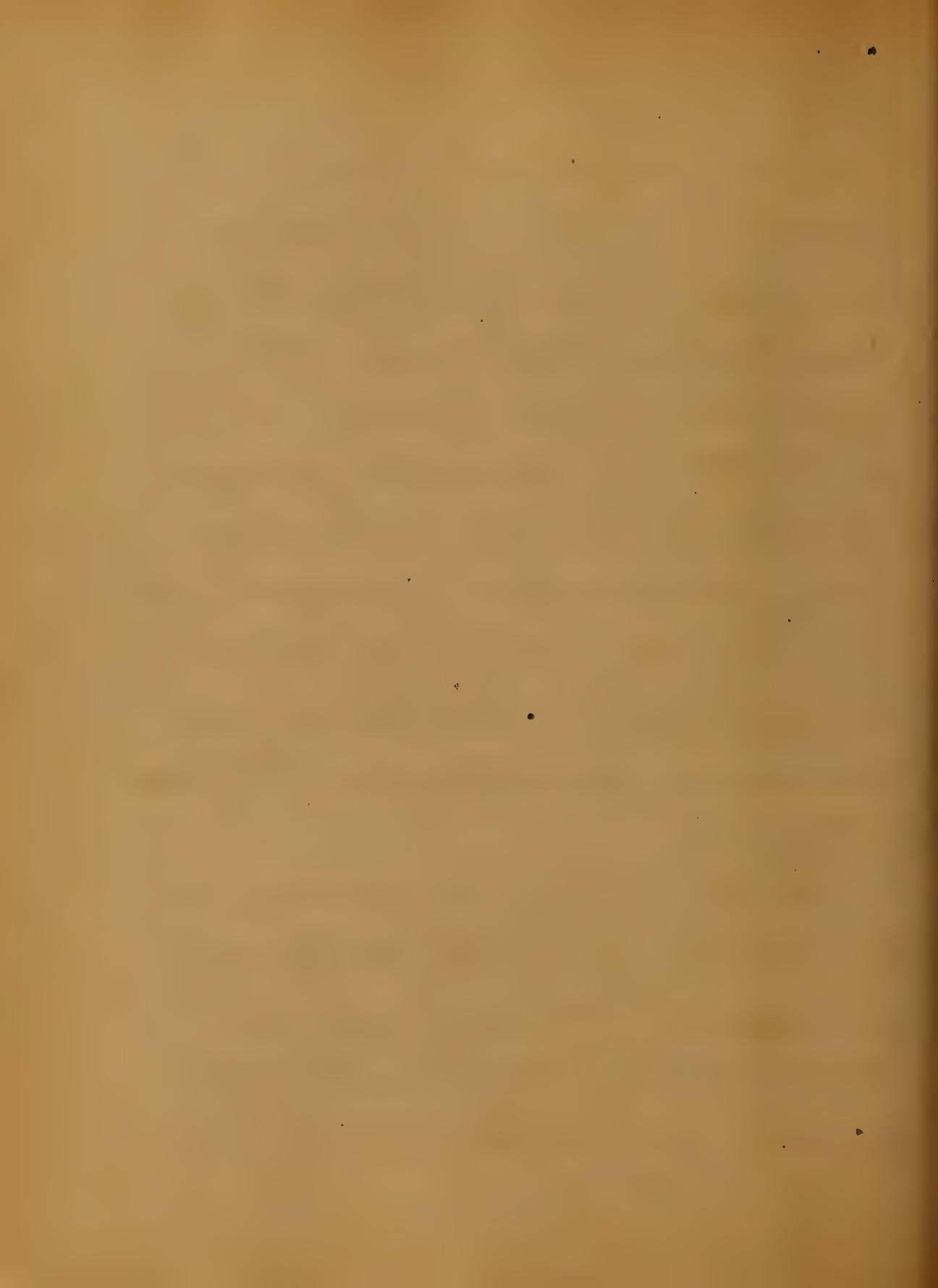
Heredity

in the same way as the
parental disease may be passed
on to the offspring. In this case
the disease may be transmitted by the
parents from and succeeded quantity
of heredity. Contained in the vessels
which are the membranes of the body
in the skin, the mucous membranes
and the brain. It is probable that if
a child, or even an animal, becomes
inflammation, the membrane is abnor-
mally dry from the subsidence of the
vessels which moistens it in health.

the body, the blood vessels
will be filled with fluid
so viscous that the heart
will not beat and the circulation
cease, we are therefore
unable.

The liquid is not everywhere
near to the surface of the blood, nor
is every portion of it effervescent.
Upon the surface of the
body you will see much disturbed
in showing the effect that may be taken
it is freed from the action of oxygen
from the lungs. But the air which
we take in the Oxygen will oxygenate which
is soft and very mobile. By contrast
it completely removes the body's effervescence

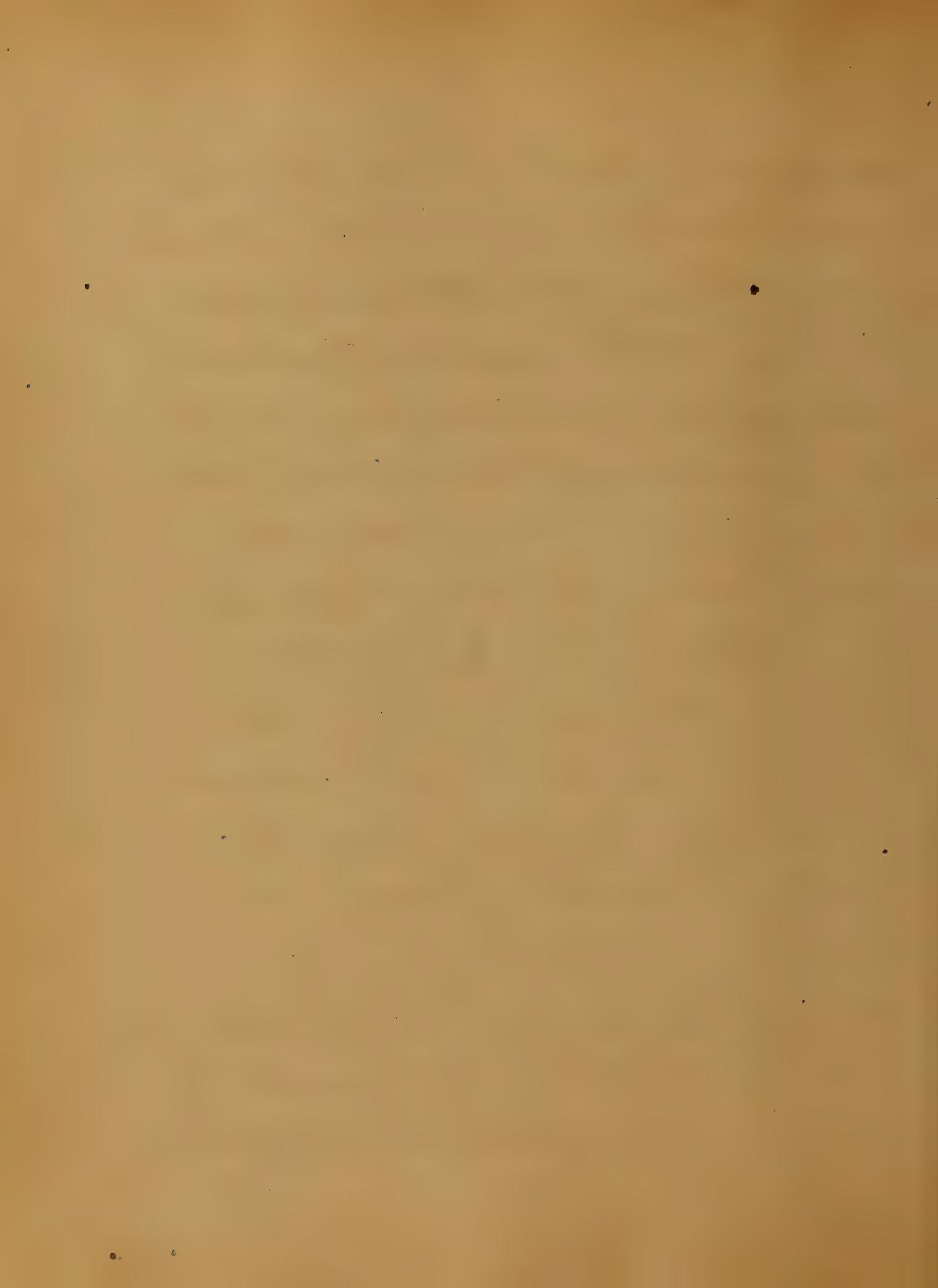
comes, & to, you see is a condition of
inflammation. The membrane has a
portion of its ~~the~~ surface of some
degree of infiltration beneath which it is
somewhat swollen, & to the exudation
is effe~~cated~~^{ated}. At one or two points of
bleeding is often observed. Dr. C. M.
Patterson and pathological says, that
death occurs in about a week, & if
he vivisects the pleura during it he finds
a coagulum of lymph, sometimes
a very small quantity at other times
several pints with flocculi of lymph
at the bottom of the cavity. Exsudate
is usually more abundant on the right
than on the left, & often extends
longer than on the left, & is more



represented in figures will present a
membrane often apparently without
organization. A layer of lymph suffi-
ciently dense to be called off, is
properly called a fascia or membrane. The
density of the lymph & the firmness
of its adhesion in accordance with varying
circumstances, that the fascia is not of recent
origin etc. With the following may
be added that of the vessels belonging to the
fascia, the general symptoms & clinical
history.

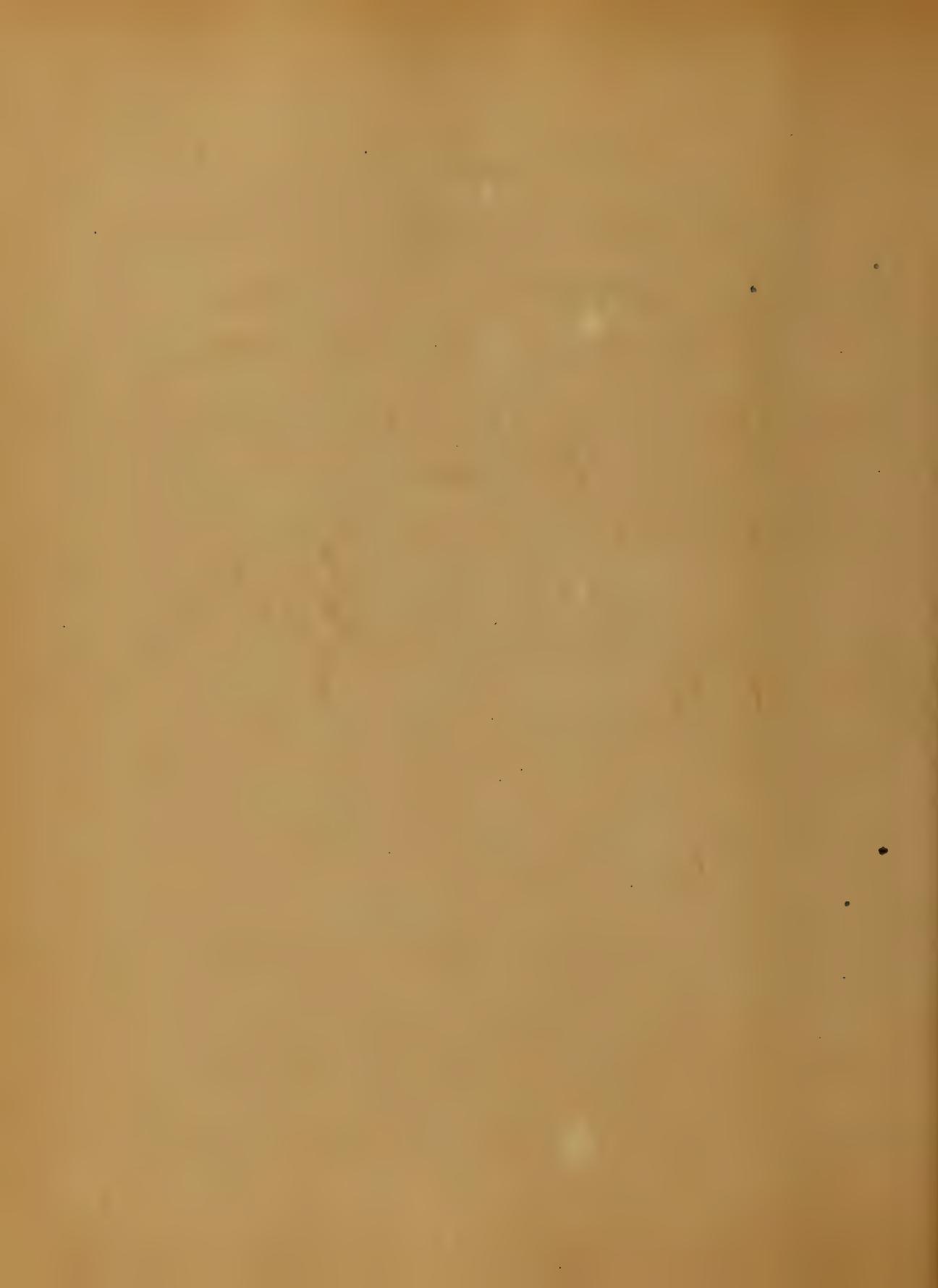
Authors diversity divide may
lead into other steps of progress
will embrace that special from the
study of the fine, when considerable
amount of light has been obtained.

; side of the great River in month
this animal is more than twice the size
short, or the great Gallbladder is about
engorged, and shows a swelling,
a swelling of the animal's abdomen,
in one hour after the patient first receives
liquor in the diet, all the vessels are
burst in the opinion that the patient ap-
pears to be beyond saving, you see
the second stage is over and from the time
the patient is able to get up he continues
the time when the liquor begins slowly
to diminish, this stage is of various periods
the diminution of liquor may go on
with more or less rapidity, when the pa-
tient cannot stand the patient may
be still living for some time or weeks.



may readily take it. The doctor will
censure that you do for the removal
of abortion until health is regained.
And this, like the cold stage; with
out any fever, continue until a consider-
able amount of liquid remains after
the first fitful or tempestuous stage of
time over and the Chancery fever.

The usual symptoms are with-
out any fitful effusion, but
with continued pain in the abdomen
& bleeding, dragging character,
and aggravated by pressure, being
easily provoked by sitting, lying, private ex-
cretions, and such like. In which
case the doctor will advise
lying down, retaining the long bush



there as all we had of it were
given to our men, so that the information
in it may become general.
We shall make every effort to have
more before the next attack of the
French, and the ~~next~~, the day is
also to be noted but in my opinion,
and with the ~~next~~ ^{the} ~~next~~ ^{of} effusion
it generally takes out of
the written copy of the effusion
is given to me, and I copy the same, and
we, having the day with the other, the
French, and a good many more, and
the Americans will much prefer
not to see it. The paper is being made
longer and ~~longer~~ ^{longer} though, I think
they will give in the hearing time.

gather up and make a short note
of the other questions we may have.
The question is greatly divided
concerning a single cause, no explanation
can well be complications.

After some pages that were con-
sidered to be of little value,
the original history of the first stage
continued in the second stage but
with an uncertain account of the in-
stitution for the poor, though
greatly modified, the form if not
the substance of the original
or first meeting being
left out without the alteration

any further increase of his movement is
probably of no advantage, provided only
the condition of the patient causes no
discomfort. The patient's movements
will be limited by the amount of bandage,
if it continues so long, or if gently respiration
is discontinued, if the ligature is sufficiently
the respiration will be impeded and cause
the patient to maintain the sitting posture
with the other hand. If the effusion be
slow the patient will not sufficient time
before respiration can be resumed.
This will cause fainting.

Dignified

According to the document, you got
an idea of what went wrong with the
list of names. The only discrepancy
is in the column "Total amount" may
well have been a typing mistake. He
also says the layout is all correct and
will stand the immediate State Inspection
in due course, and it is his belief
that none of the pieces of '81 will ever re-
quire such gross error and/or
neglect. The same faithfully etc., may
please find this day, in my office, deposited
with a Monroe Notary, having a witness
from their family physician that during
the Convalescence in the last stage

The patient enjoyed all the

and about 10 days more will it be
attained which will be always sufficient to
its diagnosis. In the first stage, when
the exanthem is at first visible,
the extension of heat is diminished.
The movement will be slow, the pulse
sound is not yet yet full, but the
sense of its usual heat will be
weak. He may consider the characteris-
tic of a cold sweat on the body
extending to the head.

When the exanthem is sufficiently
in quantity, the signs will soon be made
when the character of the sweat, which
will be diminished, will be dryness
above and a cold cutting feeling
below.

In reading at a dinner in the court
house in the County of the same name
on the 1st of June 1859, I was struck by its
peculiarities which I have noted down
and which were found to extend
as wide as over to the other districts
of this state, particularly the western and
west of village visited by the author
of the same, and in a number of them
with the exception of those of the
Sioux, Pawnee, Omaha, and
Omaha the locality inhabited by
the Sioux, particularly the northern
Onde branch where hunting is general,
and tumors are the commonest
area of fulness.

In these the skin is

along on the off side is broken
the stone being broken by the fall of
the area of Alluvia Channeled from the
sitting to the horizon below.

If on the line, it will find
the same character change to slate,
that portion will not stand, but
in its position, the layer is completely
broken, probably the layer of limestone
will be found resting on sandstone

It lies at the end of the layer
interfacing a medium, that at one time
consists of sandstone, and then
the other part of the sandstone
is converted to gravel
and sand.

give a judgment into the case.
The information both as to the
existence of facts and also whether
the facts so known, justify

the demand.

A. Sibley Garrison

exactly and commented
over each article, and by
so doing naturally got a full
array of material evidence to which
against it, and no other can.

This has been a long process
of hard labor, and there is nothing
left but a full and fair statement
so greatly diminish the suffering
of the patient and conduct a just

Medicines to rectify.

We have been taught from the Chair of Practice that to produce of the sulphate of magnesia if applied in the stage of Congestion, is sufficient in many cases to clear the skin and to be effectual it should be administered moderately in full doses, but when the skin becomes dry, & hot, in the inflammatory stage, we should apply it.

From the Chair of Practice, we learn to avoid sulphuric acids from the skin, in the first stage because we find it so stimulating.

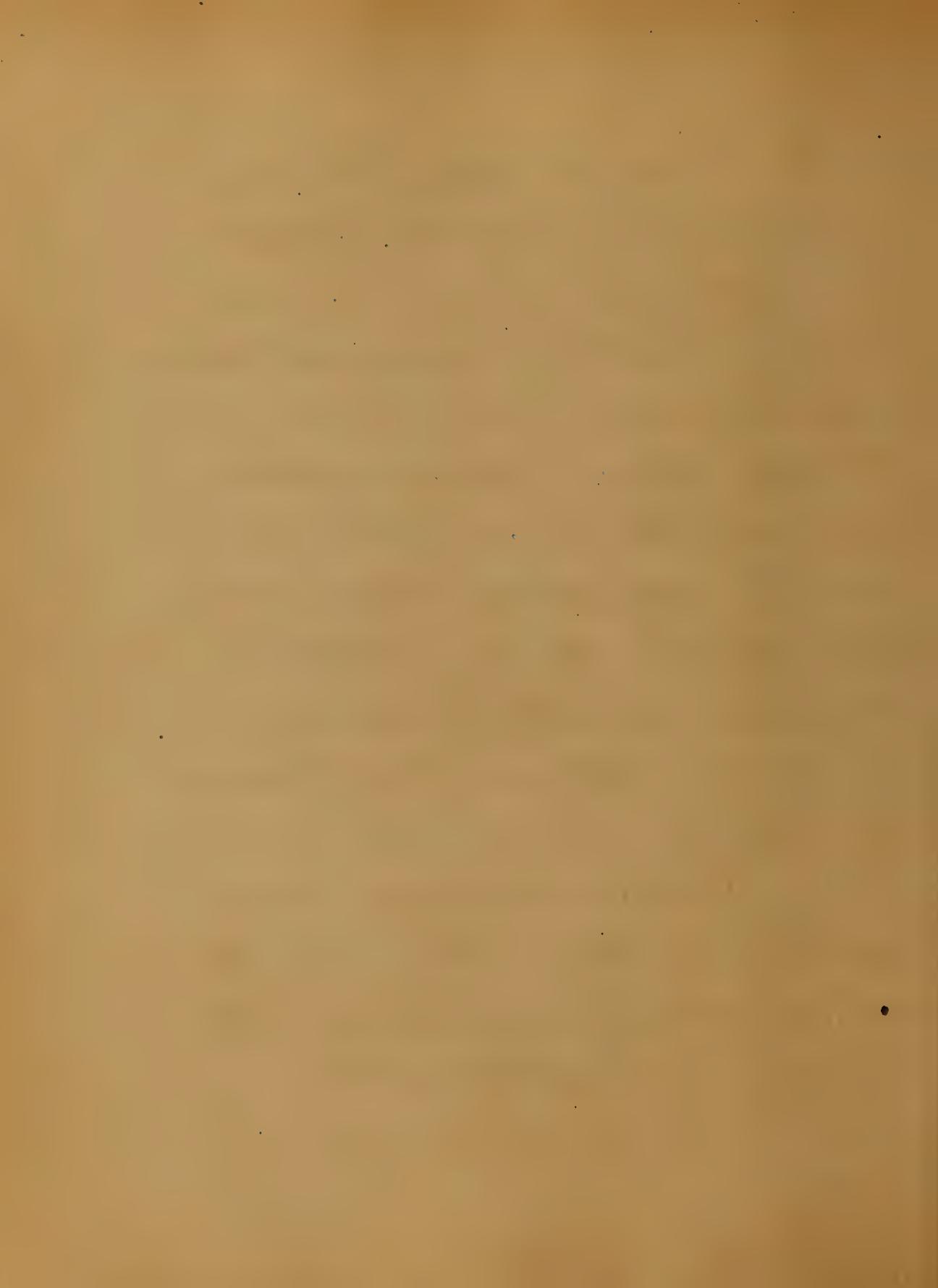
Should we not avoid arsenic

If ^{it} is swelling we may give one of the
expectorants or a cold water sitz from the
Combination known as "Nitrozen."
and it may then or four hours until
inflammatory exudate subsides.

We will find a valuable remedial
in Counter irritation which consists

open the affected side. Under
the respiratory motion should be
obtrusively, so much as possible, by
the use of adhesive which will
be applied to the unaffected nostril.

Should our treatment fail to
arrest the disease in the first stage;
we will then have to direct our
treatment to the application of
officinalis, ligurids, Andrographis.



... we see in Boston & many
waterworks remain. Under the most efficient
will be the timber side of Boston,
and in a similar shape goes on.

The large proportion of water piping
the same water supply year round the
subject will make Boston, and New
England made possible. But we may
expect great trouble from the want of
of timber sufficient or fit for
use within the limits of the towns
over which.

Under me every tank is
perfectly effective. They offer the
effect with less disturbance of the
cotton and the water
the uses of which are

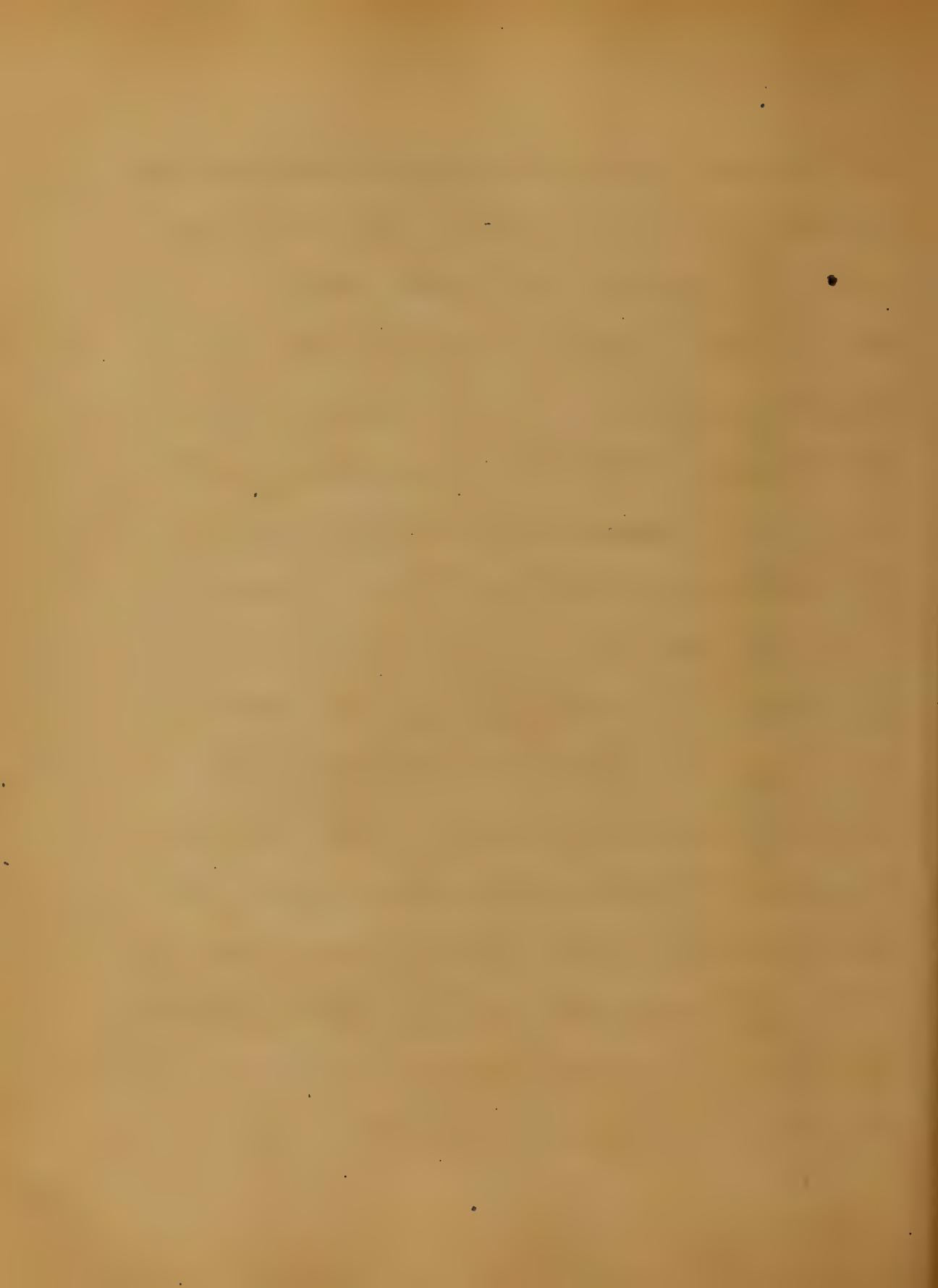
removal is more likely to occur earlier than a single removal of the fetus.

The rapid rate of gestation may be
considered also in addition. The shorter
rate of gestation or the rate of
maturation may be the reason
in some cases at least one of the
untaken measures.

The regulation of the amount of urine
ingested is an important point with re-
ference to the prevention of abortion.

The elimination of water by the body
is of little use if the patient is allowed
to take fluids into the system continually.

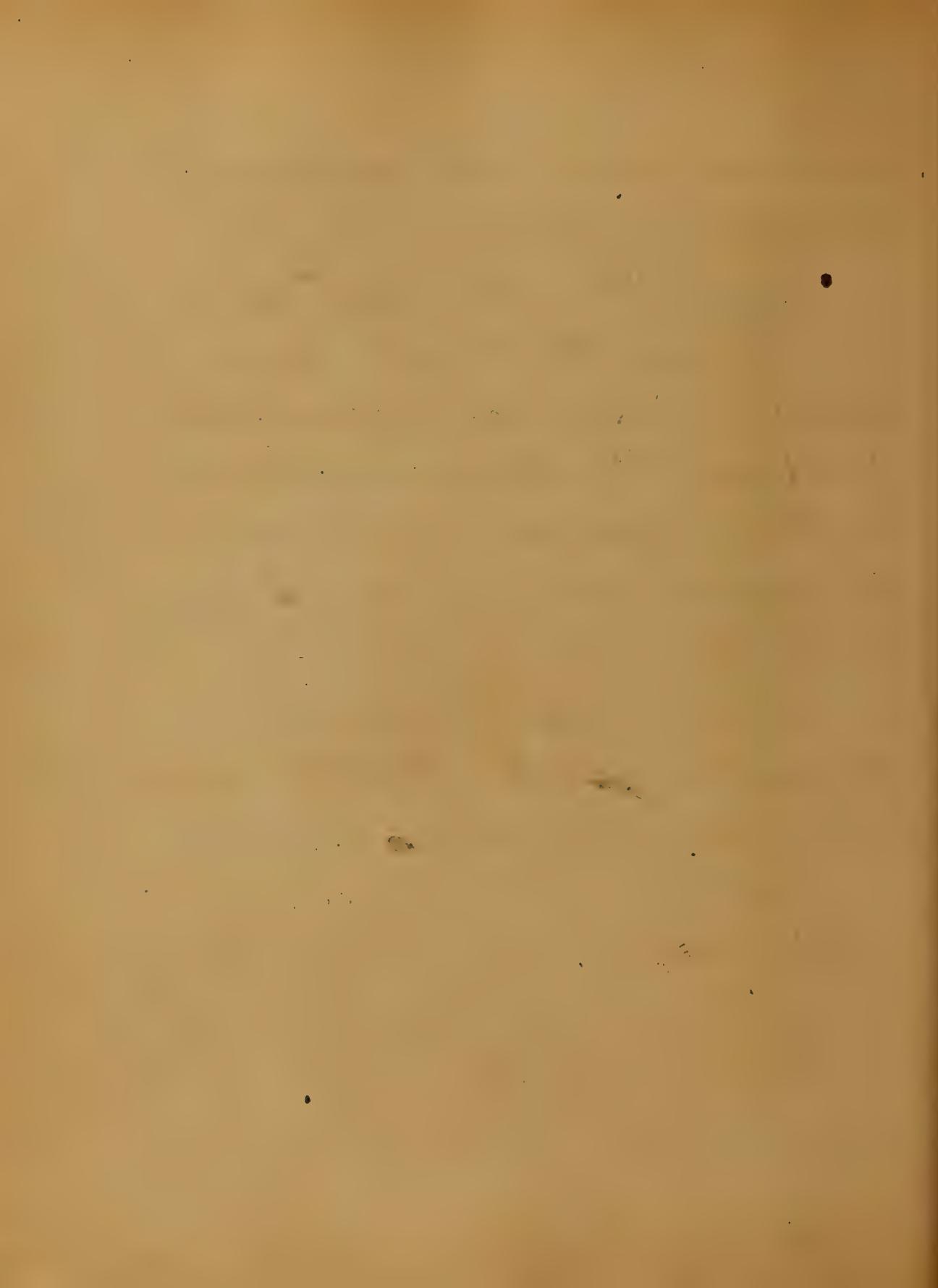
The quantity of liquid of either should
be small as possible conceivable with
the comfort of the patient.



It is very rarely, says a distinguished
historian, that this disease fails
to run off and die by itself.
Should such a history be maintained
by the people, the tendency will
surely be of the most important assistance
to the means of which
the supposition is based is of course
indisputable.

The means which have
the most important part of effect been
of late including sugar less than
powdered alcoholic stimulants,
elimination under toxic remedies.

Based on this knowledge
that we have indicated to eliminate
the offensive humor the disease

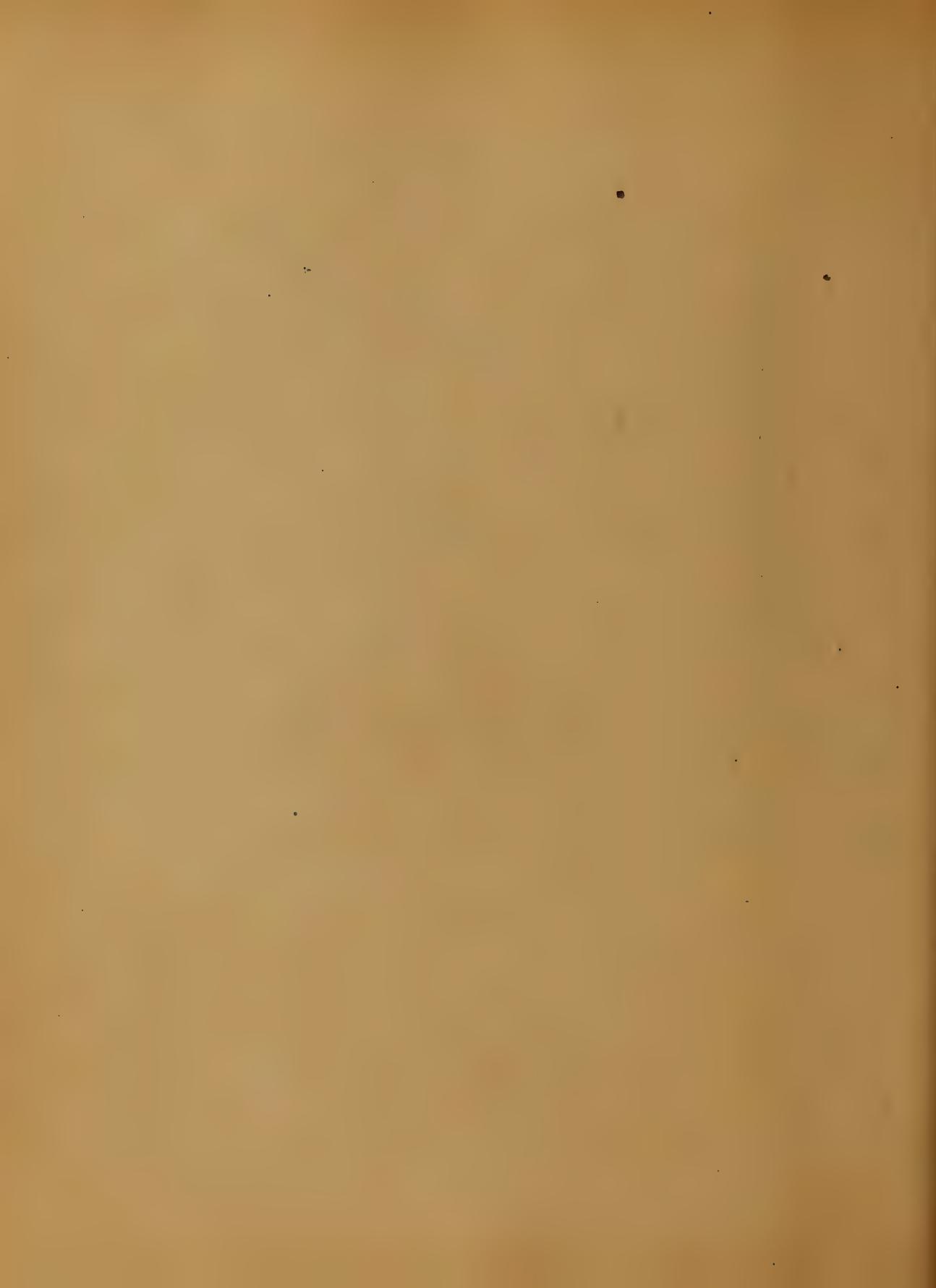


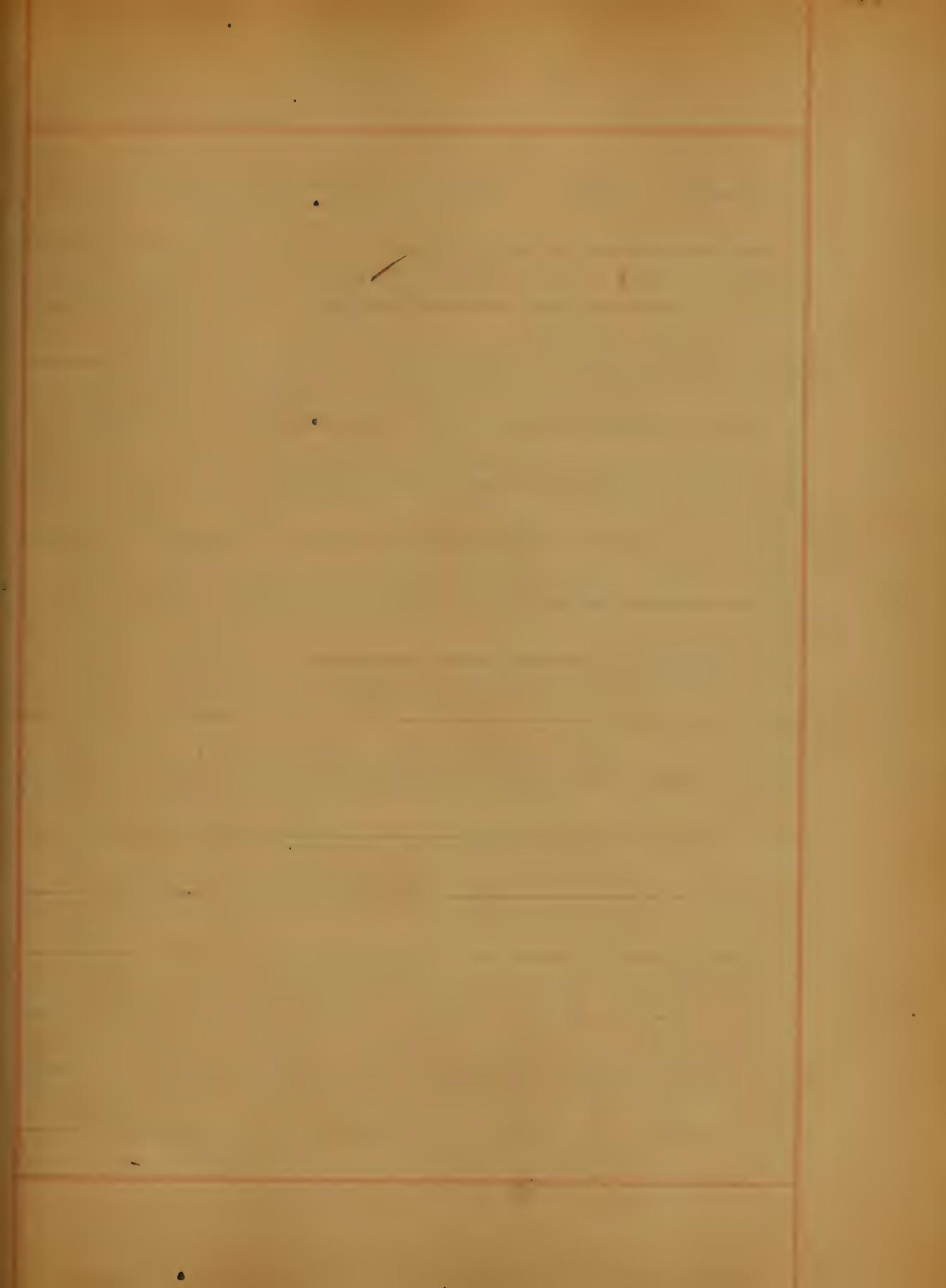
remedies appear, in the form of the
application of great power for years.

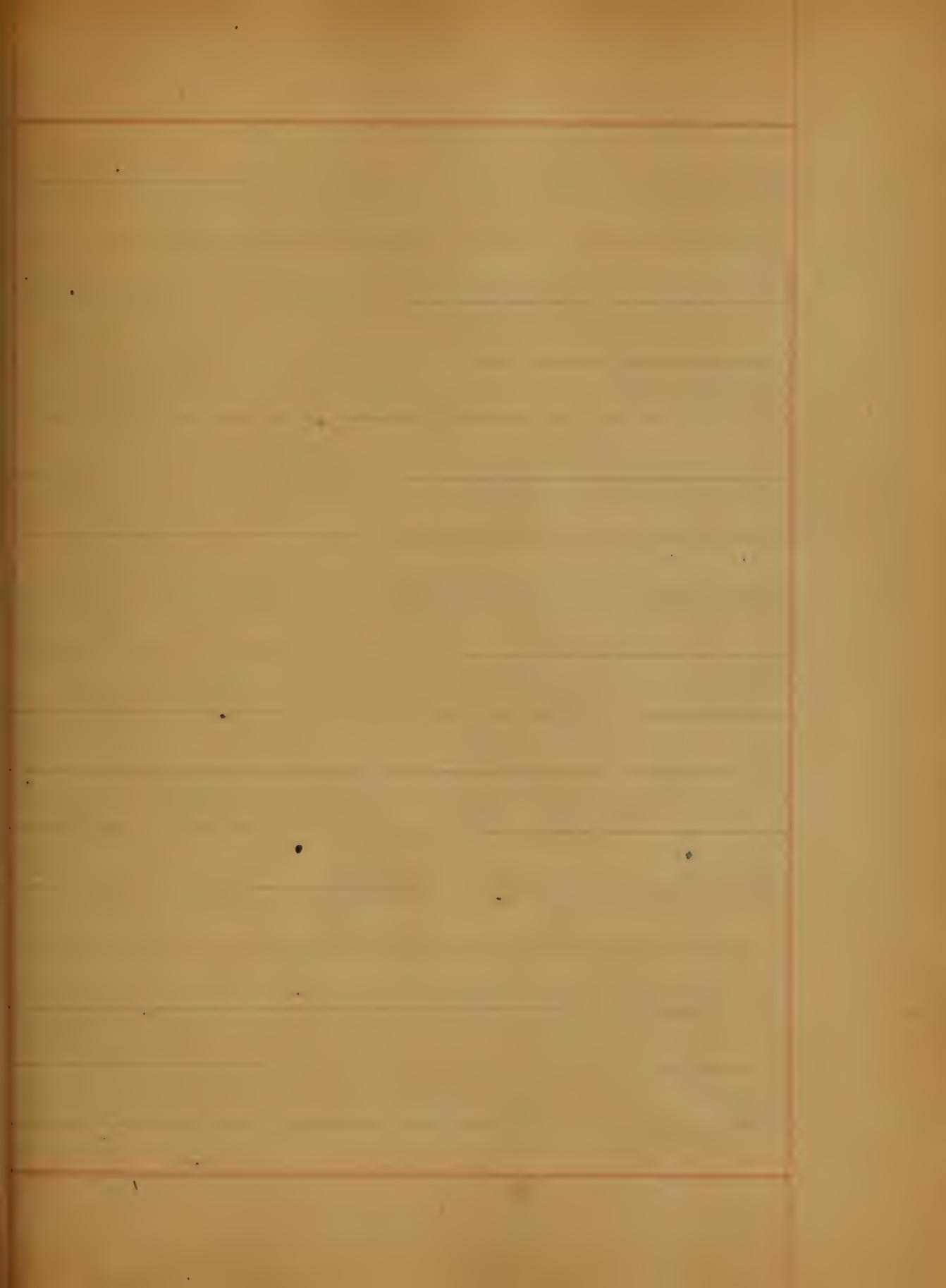
He will never forget
nor ignore the almost magic
effects the inhalator accomplished
for Drs. Remond and Lebow
on their emphysema patients during
the short service of 1868.

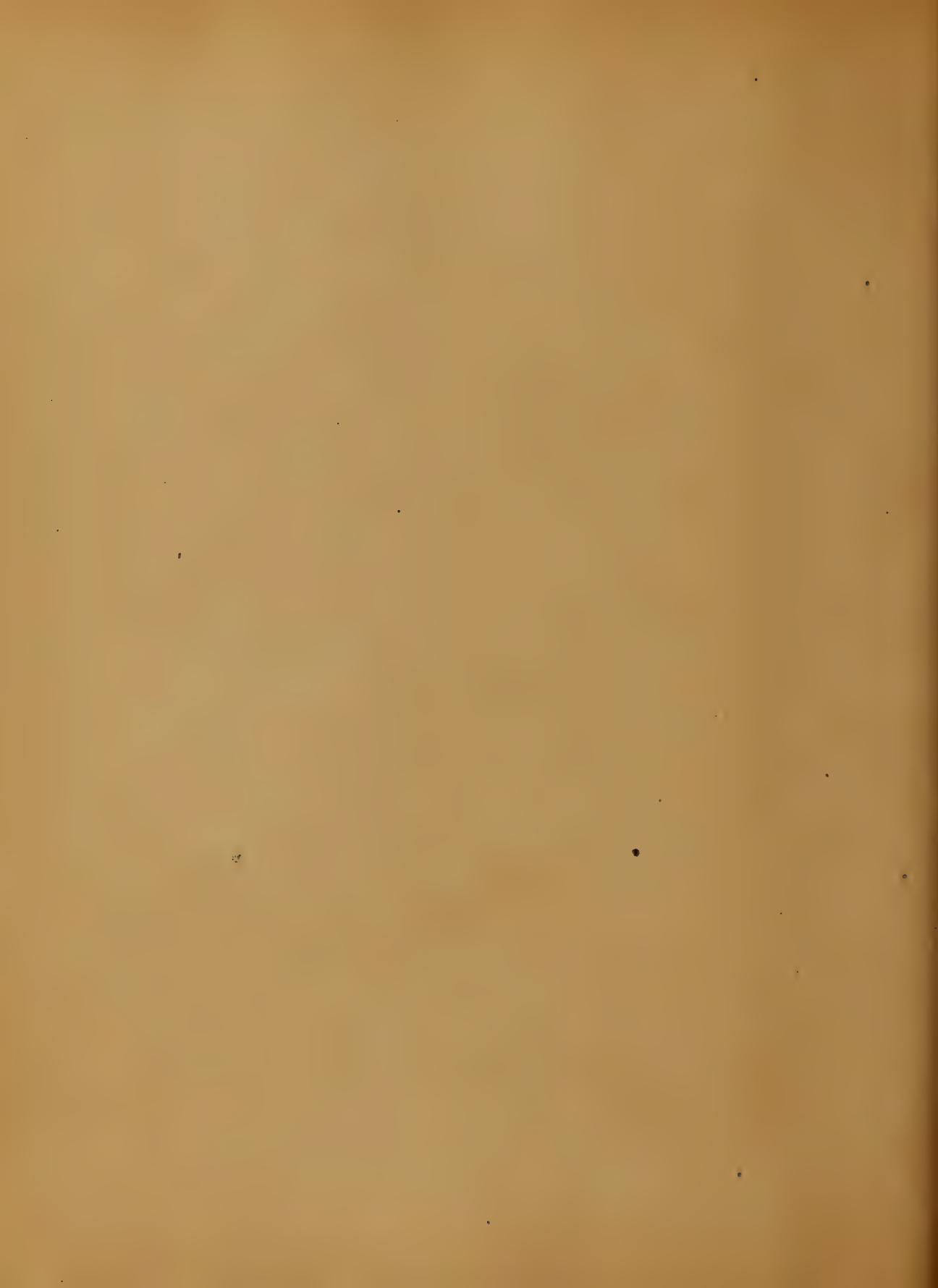
We have no hesitancy in
encouraging it as a valuable
therapeutic measure in the treatment
of Chronic Bronchitis.

Feb 1st 1870









A. J.
C. C. H.
H. G. G.
J. J. England
Henry G. Gratiot
1838

Constituted by the
protection of the law,
and the power of the
people to control
the conduct of
their agents.
The people
are the
power,
and the
agents
are
the
means
of
executing
the
will
of
the
people.

The
people
are
the
power,
and
the
agents
are
the
means
of
executing
the
will
of
the
people.

Smith's
Habits
are
more
or
less
the
same
as
those
of
the
other
members
of
the
tribe.
He
is
a
good
man
and
has
done
a
lot
for
the
tribe.

the first time I have seen
such a large number of
birds in one place. I
have never seen so many
in one place before.
The birds were all
of different species,
and it was a great
pleasure to see them
all together. I
will write again
when I have more
time. Please excuse
my poor handwriting.
I will write again
soon. Please excuse
my poor handwriting.
I will write again
soon. Please excuse
my poor handwriting.



Wiederholungsschule

Cochlearia

more rapid, first catharsis and reflexion

then a long time of rest

is accompanied by throbbing headache, pain

in the head, and a desire to vomit

and also a desire to sleep

and a desire to drink water

also death from the heat and water occurs

100° F. 100° C.

100° F. 100° C.

such concurrent phenomena

Lorbeer varieties were stimulated and

also death occurred

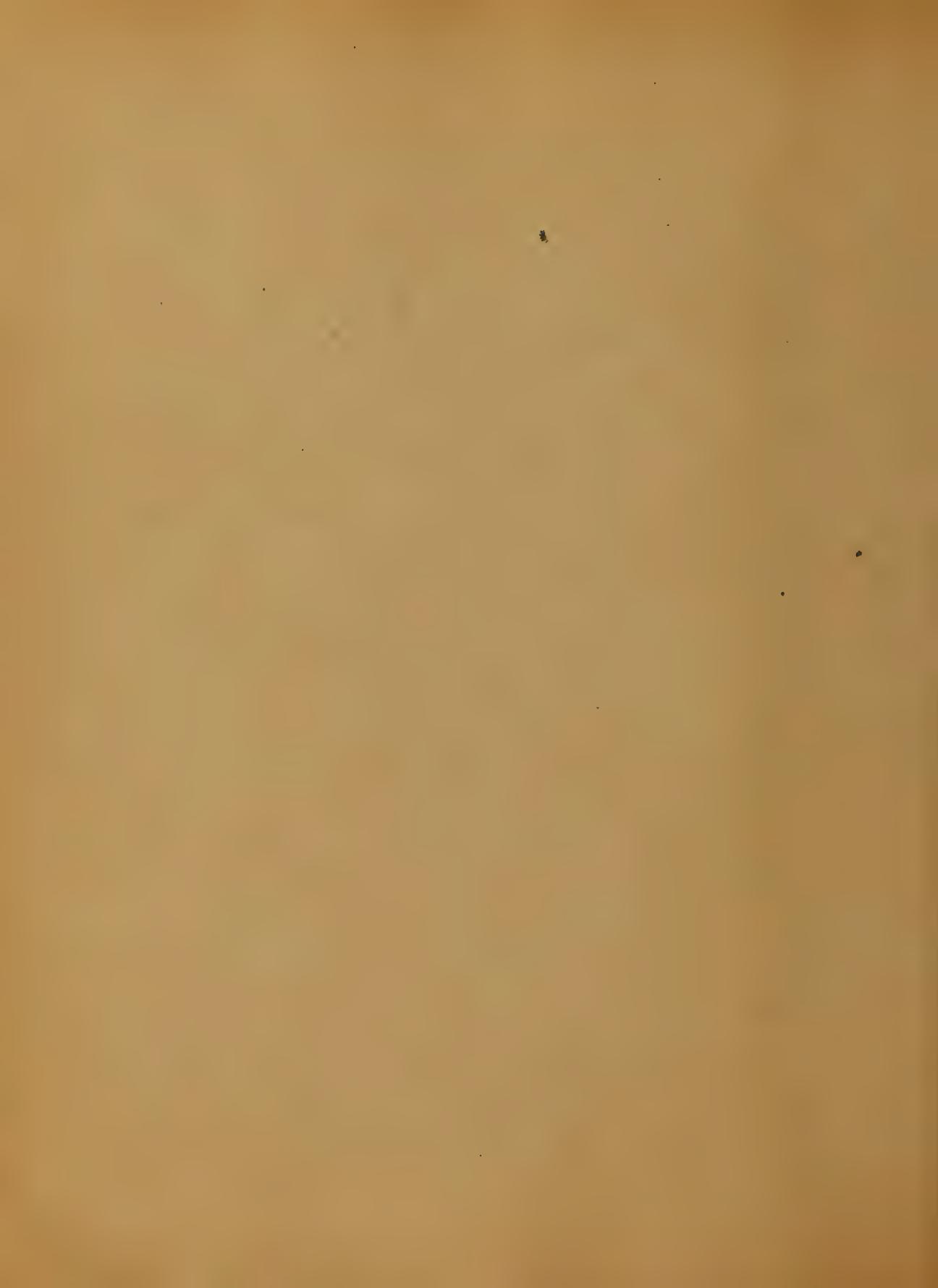
100° F. 100° C.

100° F. 100° C.

100° F. 100° C.

100° F. 100° C.

Now is a good time to clean up
the house. I have just
finished washing the
carpet and
I am now
going to wash
the windows
and the front door.
I will also
clean the
kitchen and
wash the clothes.



Lettuce can wait till longer after

the frost is over.

It doesn't need a frost at all.

It will grow in the sun or shade.

Now just after frost will come and

it will stand it even when it is

very cold.

It will stand it even when it is

very cold.

It will stand it even when it is

very cold.

It will stand it even when it is

very cold.

It will stand it even when it is

very cold.

It will stand it even when it is

very cold.

It will stand it even when it is

very cold.

1. The first cutaneous tumor
is often much larger than the others.
Oct 16, 1881.
In other parts the skin is very thin,
but infiltration of tissue is not
so great as at the tumor. Other
parts of the body are covered
which is composed largely of bone
and skin. The tumor is
covered with skin.
was applied over the entire
specimen. There was no
acid in it.

The tumor
also is seen to consist of
a cutaneous layer

presence of impurity or poison in

the system is not limited to any

one organ, but may affect

any one attack against another

and it is often the case that

there is no disease under concentration

with a white, pale but pale face

or voice suffused from an organic dis-

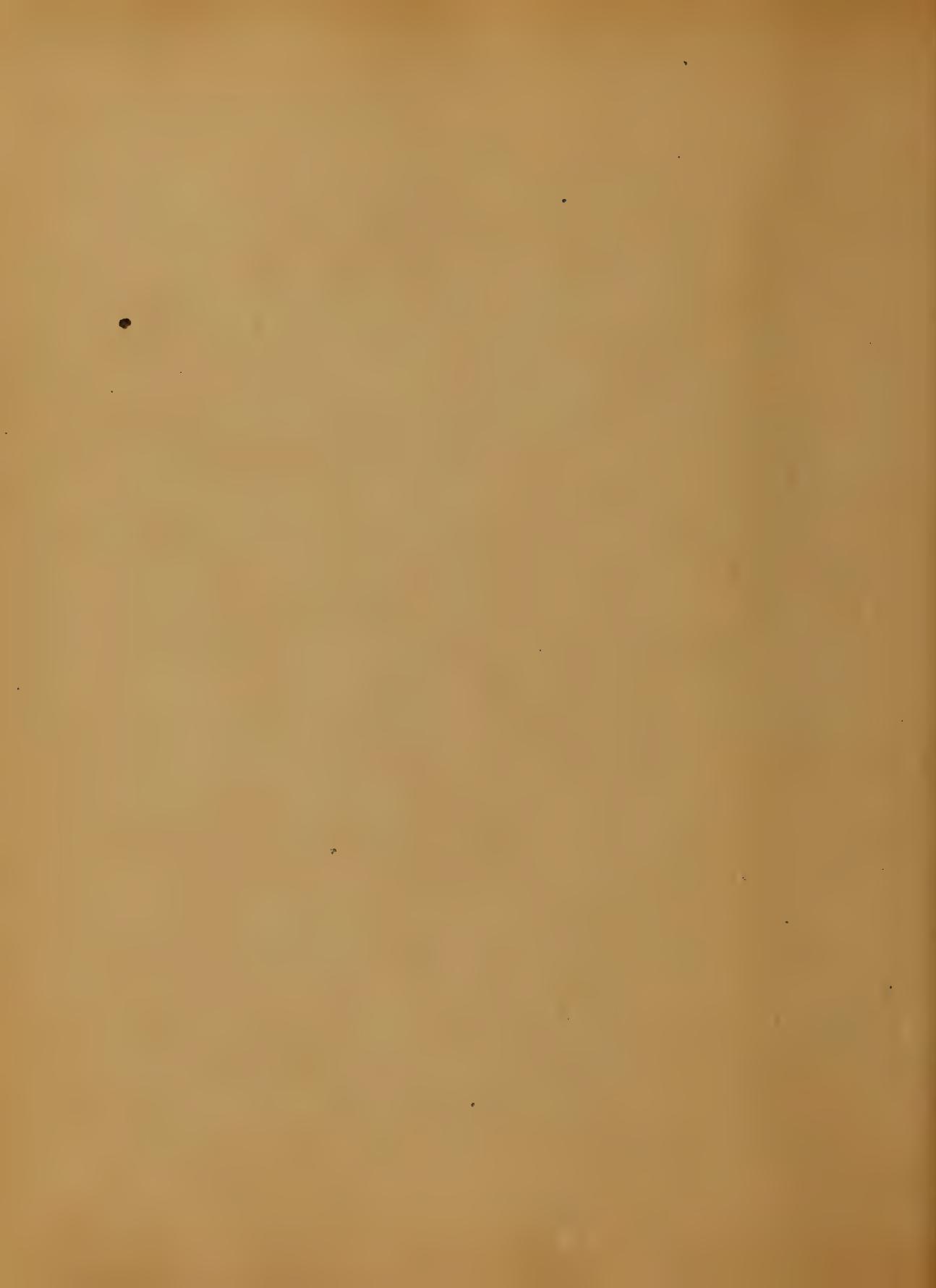


official

to the

of it does not use the ex-

cept the



is the first
and which follows will show the
first stage of development.

The middle development may be written
as follows:

First stage

early of civilization

middle of civilization

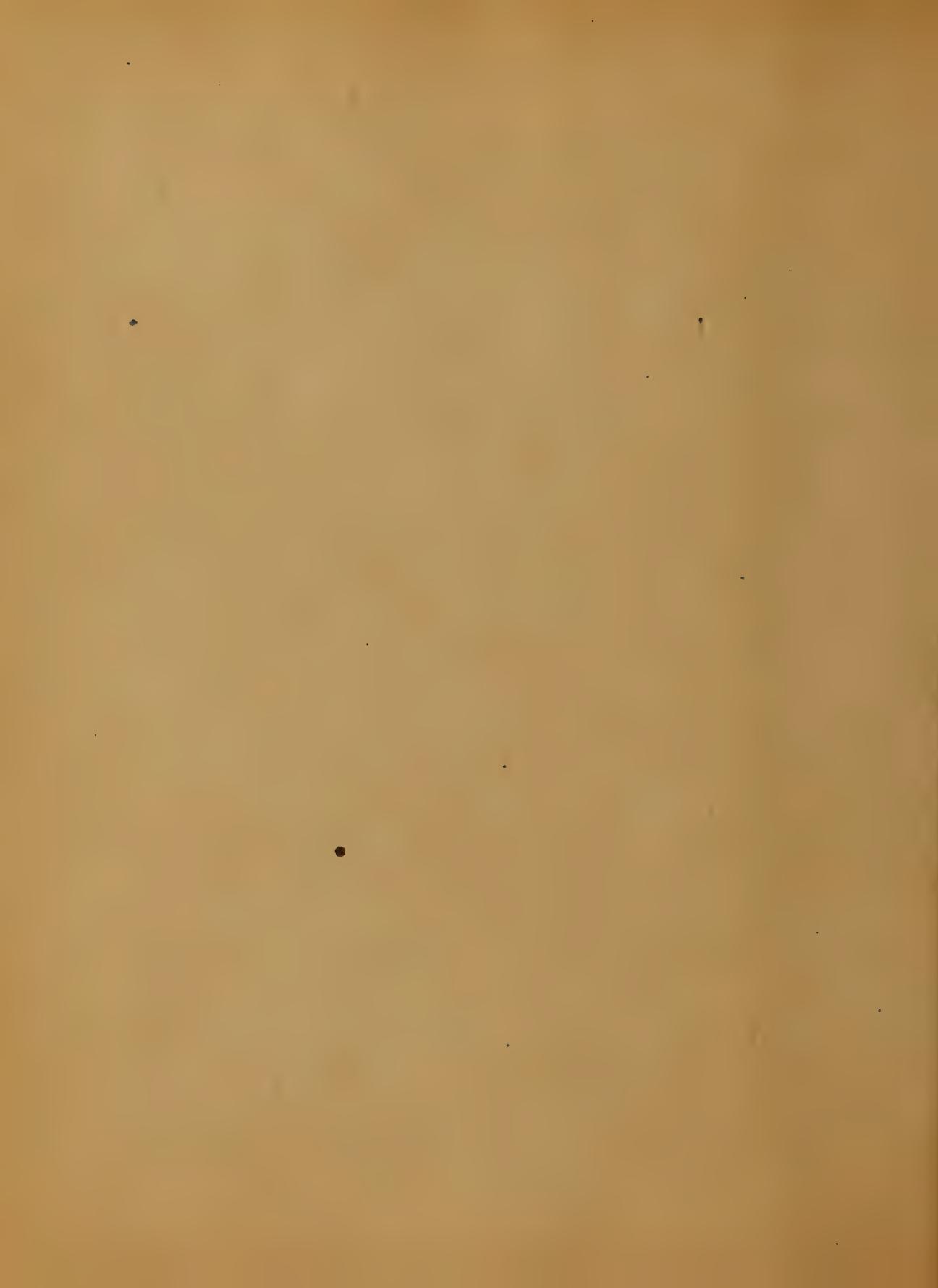
late of civilization

beginning of degeneration

middle of degeneration

late of degeneration

beginning of regeneration



of the arch and
and of the time that occurs
by vibration on the violin.
These were very vibrated at
first and then became un-
vibrated again. The
time of vibration
is considerable does not lie in the
time of sound
in which they are sometimes perfectly
but still not completely
vibrating.

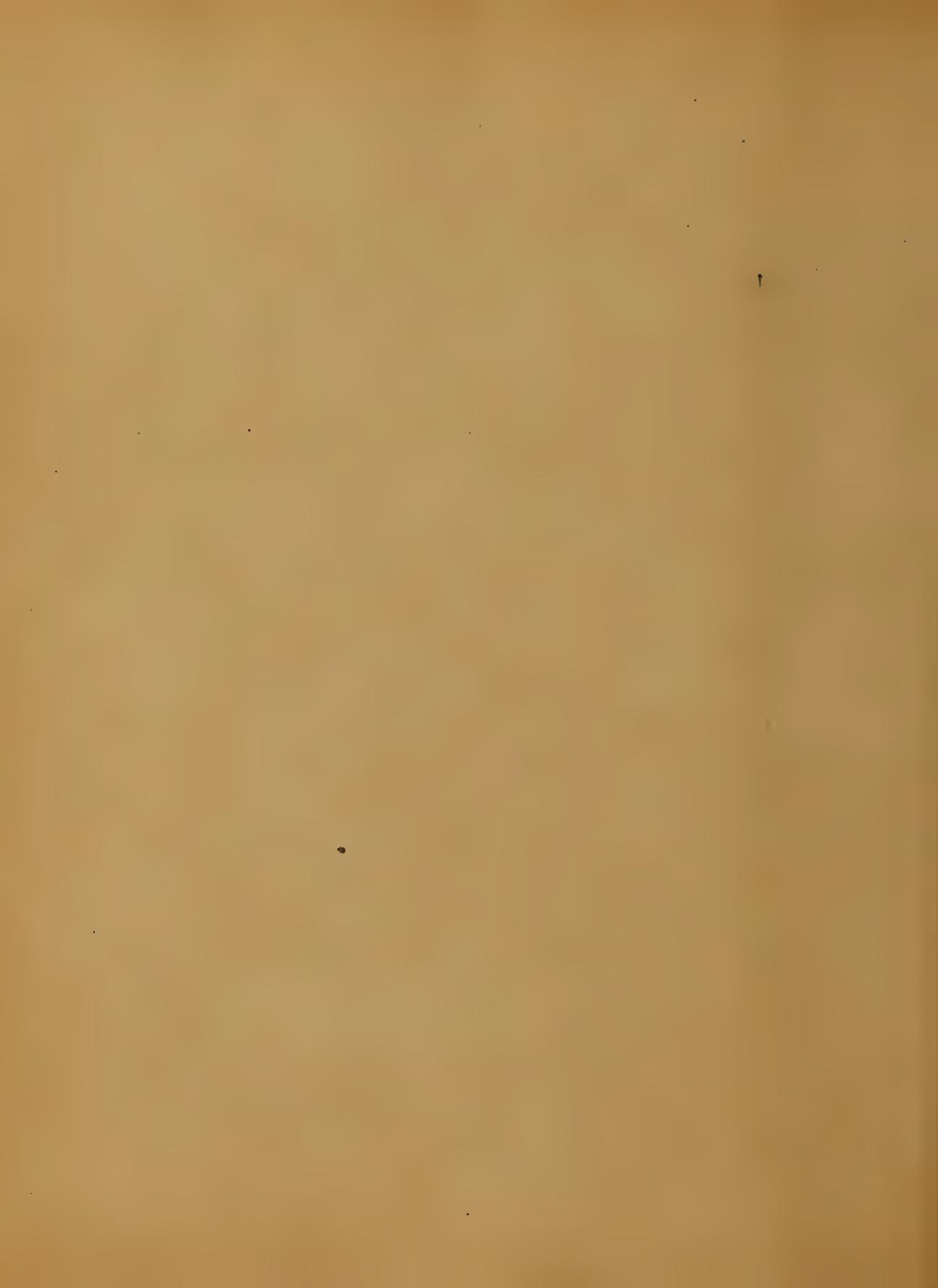
The
time of sound
is
the
time of vibration
is
approximately the size of the violin



of the country.
and all of the services of the government.
attention to executive construction there is
now a great deal to be done.

His arrival and assumption of direction
will soon put the Gov. of Pennsylvania

in his old seat again.
His arrival will be followed by
a general distribution of
public offices among the
old and new members of the



of long, flat hills and low, broken ridges.
Gardens with little water and strawberries,

peaches and plums a common sight
a road of fine building stone from
embankments. In the opinion of the Indians the
best building stone in the world.

Visited in large doses mountain peaks
the main business difficulty was in

The first night at Walla Walla

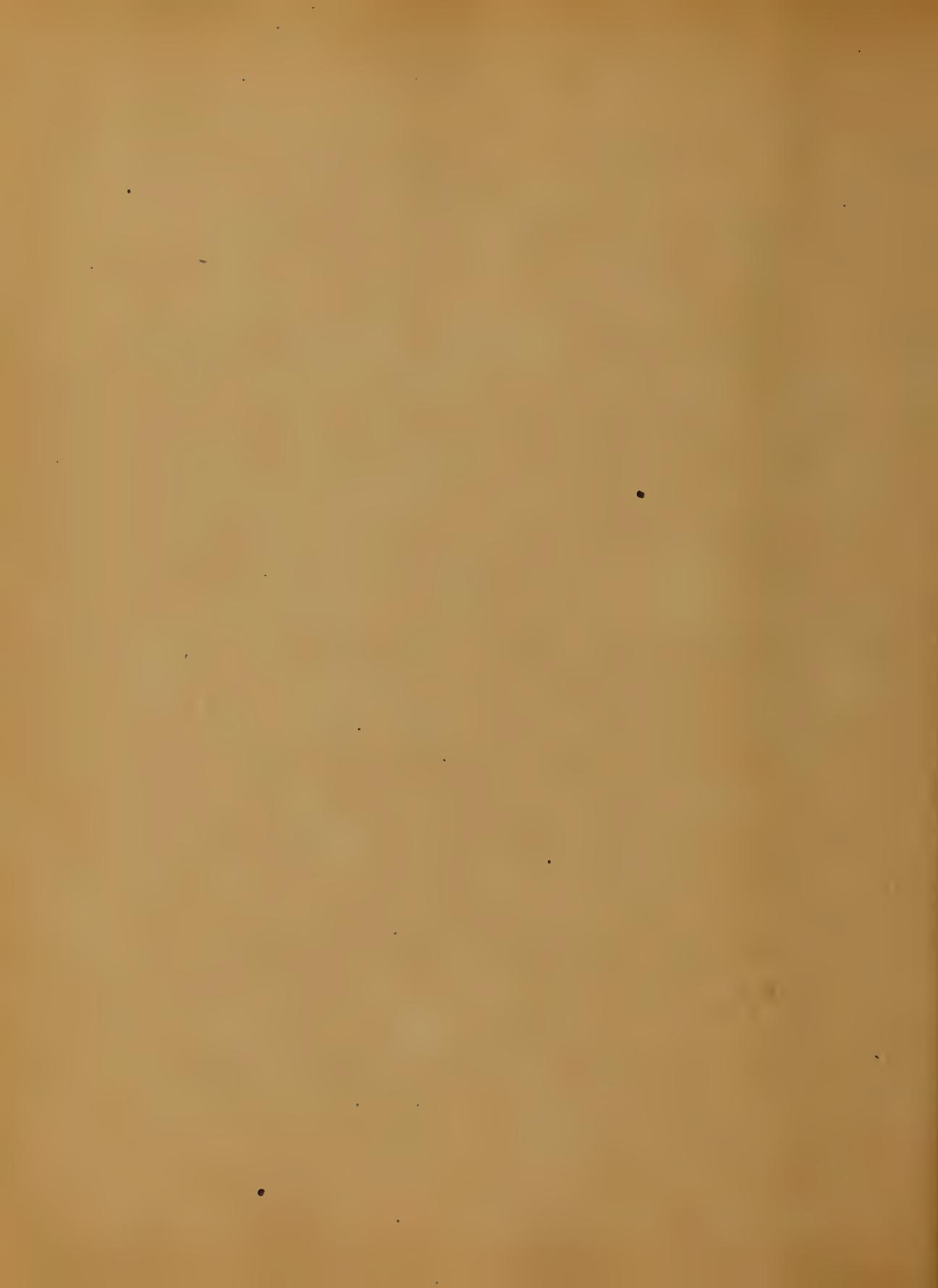
and the second at Walla Walla

A country which did not have a single

W. A. Brewster and Prof. G. M. Brewster
of two days.

I only succeeded in writing in the
abstraction, & lost my list com-

pletely, & had to write out all
the complications, so many were
there. The last part was written



and of its administration we find

in article 4 of the Constitution and in
a well written example of it they

say this

Fourth; the four thousand inhabitants
between the city of Boston (2000, days) and
one very very large town, in fact I say
that except those parts all along from the
city continue to look about a day &

I work at her desk in order to become

more familiar with her

and to get more information

with it in the case and to make up
with the help of her it is a good time



To the many members of science and forestry
that support and co-operate
in the work of the forest commission
I would like to say that we have
done our best to make our work
as good as possible. We have no
other object than to do what we can
to help the people of the state.

we provided the passenger door
will be accordingly
replaced by the one in my other boat
however this will it should without

any expense

etc.

Thesis on
"Puerperal Eclampsia," submitted
to the Faculty of Maryland University,
by
Charles W. Mitchell, M.D.,
February 1881

George on
"Musical Clavipesa;
outfit to the faculty of the
University of Minnesota, for the
display of colors of the

Puerperal Eclampsia.

Of all the diseases with which the medical man is called upon to cope, certainly none merit more careful consideration and earnest endeavor, than those pertaining to the puerperal state.

Among the maladies incidental to gestation, Eclampsia, both on account of its formidable nature and striking characteristics, justly claims a most important place.

Until quite recent years, much vagueness and uncertainty have prevailed concerning this disease; and it has been confounded with many affections which are not, by any means, peculiar to the puerperal condition. It will be well, therefore, to state at the outset, exactly what is to

be understood by "Puerperal *Eclampsia*".
It is an acute affection of the motor ~~func-~~
~~tions~~ of the spinal cord. It is a disease
characterized by a series of inordinate,
exaggerated, involuntary and uncon-
trollable spasms of all, or nearly all the
voluntary, and often also of the involun-
tary muscles of the body, due to an
abnormally excitable or irritable state
of the extra-motor regions of the spinal
cord. These spasms are accompanied
with, or followed by, a comatose condition,
more or less marked in degree and
duration. It is, moreover, a disease
which occurs only in the puerperal woman.
Causes.

The fundamental and basic fact
in the etiology of *eclampsia*, is the excited
and irritable condition of the spinal cord.

which is incident to scrofula.

For many years it was thought that this condition was brought on by a "lemonic" state of the system. For example, Cope in his works on leprosy, maintains that it can always be called so as suffering with leprosy. But other authorities have pronounced decidedly that we may find leprosy in those who have no connection with the disease. At all events, we have sharp the unstable condition of the scrofulous patient of the past, the more it may be noted that the blood is more or less profusely affected during the existence of the disease. His attention is protracted in great part by the improper performance of the functions of respiration. In most cases of the disease constant trouble is experienced

4

child with strong peroxysis. The nervous system and of the elementary canal fails somewhat in its executive functions. So too, the lungs perform but imperfectly their functions of carbonization and oxygenation of the blood. So too the kidneys do often a less creditable job in their action during the puerperal state. Whether this interference with the workings of the body mechanism, produces the so-called nervous condition or not we cannot say.

The term "nervous" is at present rather an indefinite one. It seems to be rather a catch for ignorance. Some writers consider that there is nothing in the great bulk of nervous symptoms, with others, for example French, hold that there is

converted into ~~the~~ ^{the} first specimen,
which is the previous one in
"Uraenia". Once again, part of the opinion
that certain excretions existing in the
blood, of which we know so little at present
constitute the most important changes
in the circulating medium. If this
latter hypothesis be true, it has a
parallel to it in the fact, that an
absorption containing a certain amount
of carbonic acid may be bathed with
impurity, while air separated from the
lungs and containing the same
quantity of carbonic acid appears
to be a healthy gas.

The "Hypernia" existing during pregnancy
may also constitute an additional & the
strongest argument of the spinal cord.
But to this condition of the body under-

regime from the time of birth, and
consists of emulsion, or to the texture
of extractive matter, or to Hydrogenia,
it matters little in the study of Pepsin-
ize. Suffice it to know that when
the condition however is very bad
brought about.

Any alteration in the state and properties
of the spinal cord you would easily
influence us, namely by anesthe-
sis action. Physiological experiments
upon decapitated frogs, and similar
observations both pathological and
physiological, but finally establishing
that increased irritability and insen-
sibility of the cord, as well as in what
way produced, always induce them-
slowing the way. Many of these
functions in the cord are also up to

specie, ~~the~~ ~~other~~ ~~varieties~~ in *Claunosis* is produced, provided we consider the seat of the changes, and the fact that they are essentially ~~spurious~~ and therefore entirely independent of the intention and volitional faculty. We must now insist upon the excitability of the exo-motor system, produced by changes in the generative organs of the pregnant woman; however these changes act upon the blood. Having now discussed the essential condition of the nervous centres, upon which the disease depends I will now consider the causes proper.

These may be ~~internal~~ and ~~external~~, according to their action, whether it be directly upon the nervous centres themselves, or indirectly, being conveyed

from the peripheral nerves
I Cervic.

These may be intra-cranial,
intra vertebral, or both. They may also
exist as mechanical or physical
causes.

A Mechanical.

Any disease or condition
producing pressure upon the cord,
as for example meningitis, scars or
bloody effusion etc., may irritate it
so as to give rise to a "cervical attack".
So too, cerebral or spinal hypertension
may light up an attack by its effect
upon the excited vessels under
control.

Spinae also may also be the central
cause of the disease. It may even
strange that the intervertebral

conditions will occasion exactly the
same phenomena; but it ^{must} however be
admitted that these phenomena are the only means by
which spinal excitability can express
itself. In Tetanus we have spinal
hyperesthesia. How does it give its
manifestations? ~~How~~ Consideration
In death produced by hemorrhage, we
have, on the other hand, great spinal
anæmia. How does this find expression?
By exactly the same phenomena.
Besides these changes in the amount
of the blood, I will refer again to the
alterations in the character of the blood,
already mentioned. These changes, whatever
be their nature, certainly act as very
powerful irritants in the produc-
tion of paroxysmal convulsions. These blood
changes however should be looked at

vital, rather than medical causes.

B Psychical.

There are also denominable "emotional" cases. Any violent emotion of whatever character, such as fear, grief, anger & shame, may exert its power over the system, by calling forth an attack of convulsions. For example; statistics teach us that principals are most liable to clamps. These statistics are mostly obtained from the records of large European hospitals; we know that a large proportion of hospital-nursed principals women are unmarried. It, therefore, seems to me that the clamp and some of such patients must play a prominent part in the causation of the disease. It also, no doubt

are on record, where the subject has been of
a long abut husband or wife, has given
origin to the convulsions.

II Eccentric Causes.

There are often so
slight and obscure as to entirely escape
the observation of the accoucheur.

A Generative tract.

Any abnormal irritation
of the patient's generative organs, either before
or after delivery, may, by reflex action upon
the already excited nervous system of the
cord, be the determining cause of the
convulsive seizures. Impression is most
common with hard presentations, when
we have the large posterior part of the
child bearing upon and irritating the
maternal soft parts; this in pregnancy,
where the tissues of the mother are more

vigilant watching after the birth
of the child, retention of the placenta,
the presence of large clots in the uterus
or vagina, and other accidents
requiring manual interference by the
practitioner are often productive of
Exampsis. Excessive amount of liquor
amnii, and too frequent vaginal
examinations, are also to be counted
as eccentric causes of the disease.
In short, any irritation in the genito-
urine tract may occasion the attack.
In a case of Clampsis which I in-
volved some months ago, the woman
had suffered from post partum fever
or rheum, and the disease seemed to
be dependent upon the presence of
large blood clots in the uterus
and vagina as well as the

introduction of any fluid with wine into the uterine cavity.

B. Abortion by Caud.

The insertion of infusible food in the stomach and intestines, and the presence of impurements of fecal matter in the rectum, were to irritate the peripheral gastric and intestinal nerves, so to favor the existing disease & conditions. However we have particularized irritability of the spinal nerve centers, these causes will exert great power. For example perhaps the most common ^{cause.} of infusible convulsions is the presence of undigested food in the stomach.

C. Bladder.

The intention of this views with wine is to be repeated when

portant in the stability of the disease.

D. Osteophytes, tumors &c.

Pressure upon the brain, by these long growths within the cranium, may act as ^{an} eccentric cause of Eclampsia. We see, therefore, that the brain may be either ^{an} active or a centric or eccentric agent in the production of the attacks.

E. Conditions of the brain produced by the convulsions themselves.

Changes in the brain, such as apoplexy, serous effusion &c, may be produced by spasm of the cervical muscles, spasm of the glottis and other phenomena of the convulsions; and these changes, so induced, may exert an "eccentric" "centric" influence on Eclamptic seizures.

Pathological Anatomy.

Post mortem examinations yield but little information as to the nature of the disease. If, however, serous effusion into the ventricles of the brain, or into the arachnoid cavity, is detected after death. So also, appearances of apoplectic congestion and effusion occur. But all these changes might be observed after fatal convulsions of any character, and, therefore, are not to be deemed as of any special value in the elucidation of the pathology of this disease.

Almost constantly, congestion of the intestinal organs, as the kidneys are manifested by autopsy; but there is no intestinal lesion which can be considered as peculiar to the disease.

Symptoms.

The symptoms are conveniently divided into three classes, viz.: those which are premonitory of the convulsions, those observed during the paroxysms, and those manifested in the intervals between the attacks.

I Premonitory symptoms.

These exist in nearly all cases, though, in some rare instances, they may escape observation. Quite often when observed, their importance is not recognised by the observer. By far the most common & striking of these symptoms, are those relating to the Cervico-Spinal axis.

Intense cephalgia is generally present, and is usually limited to one side of the head. After violent convul-

disturbances, more or less marked, of the intellectual and sensorial faculties. The patient becomes restless, irritable, and seems to dread impending danger. At times, she appears dazed and is apparently unconscious of what is going around her. She seems lost in abstraction. She suffers from dizziness, distress, and insomnia. A most characteristic symptom, and one which exists in a large majority of cases, is violent and persistent pain in the epigastric.

The group of symptoms just enumerated certainly point with great distinctness to the essentially nervous character of the disease; and when carefully studied it will be determined its true pathology.

Subcutaneous oedema, particularly of the face is frequently seen, when albuminuria is present.

If the patient is plethoric, the pulse is found to be exceedingly hard and throbbing; the face flushed and hot. While if she be anaemic, the pulse is small and contracted, the face pale and cold.

II Symptoms during the attacks.

The phenomena now observed closely resemble those seen during a severe epileptic paroxysm. The attack generally occurs suddenly. At first there is a short interval of toxic spasms, which, however, soon give way to clonic contractions of a violent character. The contractions as a rule commence in the face

muscles. All the muscles of expression are affected, so that the face assumes a terrible appearance. The eyes are turned up so as to leave only the sclerotic visible; while around the mouth we observe a condition, which closely simulates the "visus distorsus" of L. Tamer. The tongue is pushed forward and is often incarcerated by the teeth. Froth issues from the mouth. The arteries of the neck will be found to throb furiously; the neck is greatly swollen and distended, while its veins stand out like great whip cords upon the surface. The entire face assumes a deep, livid, cyanotic hue.

The muscles of the hand and extremities soon become affected, and in large rapid convulsions. The involuntary muscles partake of the general disease.



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We notice a sudden suspension of breathing, which is soon followed by irregular and accelerated respiratory efforts.

Spasms of the laryngeal muscles often occurs, therefore respiration is attended by a peculiar whistling sound.

During all this time the consciousness is entirely lost, and she is wholly devoid of sensations. Relaxation of the Sphincters,
^{often occurs} the attacks, as a rule, continue for from two to five minutes, though Cazeaux has recorded one case in which they lasted for twenty.

The number of paroxysms and the intervals between them, vary according to the severity of the case. So also, the duration of the attacks. The more severe the disease the greater the intensity and duration of the attacks, and the shorter the interval.

III Symptoms between the fits.

If the

intervals be long, the patient, as a rule, recovers consciousness. Her intellect, however, is riotous. She is utterly ignorant of what has transpired, and is at a loss to understand her true condition. More or less coma, due to cerebral congestion, ordinarily experience after an attack. If the patient can be roused at all, she soon relapses into stupor. Her condition sometimes resembles the comatose of adynamic fever. In some cases, death may occur during coma. After the entire cessation of the convulsions, the patient gradually regains her intellectual faculties. She then complains of great prostration.

Relation of the attacks to labor.

The disease is

very rare prior to the viability of the child, though if it does occur, abortion is the common result. The attacks occur most commonly during labor. The uterus often shares in the general convulsive action, and the child may be born while the attentions of the accoucheur are devoted solely to the mother. The convulsions appear more frequently after, than before, parturition, the interval varying from an hour to several days.

Diagnosis.

After a careful consideration of the symptoms as just given, there should be no difficulty in confirming this disease with accuracy, and therefore, I will not rehearse its diagnostic signs and symptoms.

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Prognosis.

The mortality of this disease has been greatly diminished in recent years. More rational views of its pathology and therapeutics, have done much to rid it of its dire results. In spite of all this, however, it is still a very fatal disease. Probably the mortality at the present day is about fifteen per cent. The prognosis in each case must be guided by the length and severity of the attacks, the condition of the patient between them etc.

Death from asphyxia, produced by the prolonged suspension of respiration, may occur the first year. It is possible also, that the heart may become involved in the general convulsive contractions, and this will be fatal.

In the advanced periods of the disease, death may occur from exhaustion. Of course, all these possibilities should be carefully taken into account in the prognosis of any individual case. As regards the child, the disease is a dangerous one. Davis records ten deaths out of thirty-six children. Cozenus mentions several cases, in which the unborn child was attacked with convulsions. The child, even when healthy at birth, may subsequently suffer from the effects of the disease.

Treatment.

General blood-letting is a remedy of prime importance, but it requires care and discretion in its employment. When we have evidence of cerebral congestion and great

vascular tension, when the face is of a deep, livid, & dark color, when the neck is greatly distended and its vessels are seen to stand out and throb furiously, venesection often works like magic. The amount of blood to now should be regulated by the effect produced; because bleeding when carried to excess, will produce ^{itself} anæmia, which, as we have seen above, is frequently a cause of the convulsions local depletion is a remedy of value.

When we have evidence of the kidneys being involved, a few cups applied to the loins will often be productive of good results. In some cases, tucker may be applied to the back of the neck.

The continued use of coll to the front.

and along the spine should be emploied. As a temporary means of preventing cerebral congestion, compression of the carotids during the paroxysms, has been recommended.

In all cases, the condition of the bowels and bladder should be carefully ascertained, and if distended they should be relieved by the proper means. This last rule is a most important one, because there are many cases on record, in which the distension of the bladder seemed to be the sole cause of the convulsions, and when that was relieved the attacks immediately ceased.

If the strictly medicinal means employed in the treatment of Epilepsy, by far the most important in the

antiepaeudic remedies.

Chloroform is an agent of supreme value. It may be given almost continuously, keeping the patient more or less completely under its influence; or it may be used only when we have indications of the immediate onset of an attack, and continued until the paroxysm has ceased. The latter method is the one now commonly followed. When chloroform is used thus intermittently, we should always supplement its action by that of alcohol. This last agent has great power and serves, as it were, to maintain the exciting influence of chloroform upon the excited nervous centres. It may be given alone or in combination with the bromate of potassium which is itself of great value as an antiepaeudic.

of the patient can now be very
be given from twenty to thirty grains of
Chloral with from thirty to forty of the
Bromide, every four or six hours, pro
re nata. If these remedies cannot
be taken by the mouth, they may be
given per rectum in doses, three times
as large.

The hypodermic use of rather large
doses of morphine is often attended
by good result. Various other reme-
dies, supposed to have some influence
over the disease, have been employed
from time to time, but they are of
uncertain value.

During the paroxysms the patient should
be so restrained as to prevent injury to
himself. For example, the handle of a
spoon wrapped with a towel, should

be inserted between the teeth, to prevent laceration of the tongue.

Obstetric management.

Some authorities advise completion of labor as soon as possible; others, that the case be left entirely to Nature. A general rule can be formulated in his regard. The attendant should be guided by the circumstances of each case. When the parturitions occur during parturition, the progress of the labor is often perfectly natural and attended of itself by little or no danger, either to the mother or child. Obviously, in such cases, ~~no~~ interference is wholly unnecessary. In most cases, however, rupture of the membranes and evacuation of the waters is of great advantage. If the os is partially dilated and contracted

rigid, Buerger's bags may be employed.
Version may or may not be performed,
according to the exigencies of the case.
If the labor, from any cause whatever, is
evidently a source of increased danger
to the mother or child, more active inter-
ference is necessary. We should always
recollect, however, that active interfer-
ence may prove a source of great
irritation, and thus act directly as
an eccentric cause of the convulsions.
The question to be decided in each case is:
Will interference add to or diminish
the irritated state of the genitale tract?
If the former, the case should be left alone;
if the latter, active means to complete
labor are not only admissible, but are
demanded. If, therefore, the artificial
completion of labor is likely to be

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greater source of irritation than leaving
the case to Nature, interference is unjustifi-
able.

After this necessarily crude and inac-
curate account of Puerperal Colaupsia,
I wish to urge the importance of the
disease to every member of the medical
profession. Certainly no task devolving
upon Man, can demand more know-
ledge and skill, greater prudence
and sagacity, more earnestness and
entire devotion to duty, than the
professional care of a woman, who
in the fulfillment of the highest
function of her existence, has fallen
victim to this terrible disease.

Thesis
Good for
it

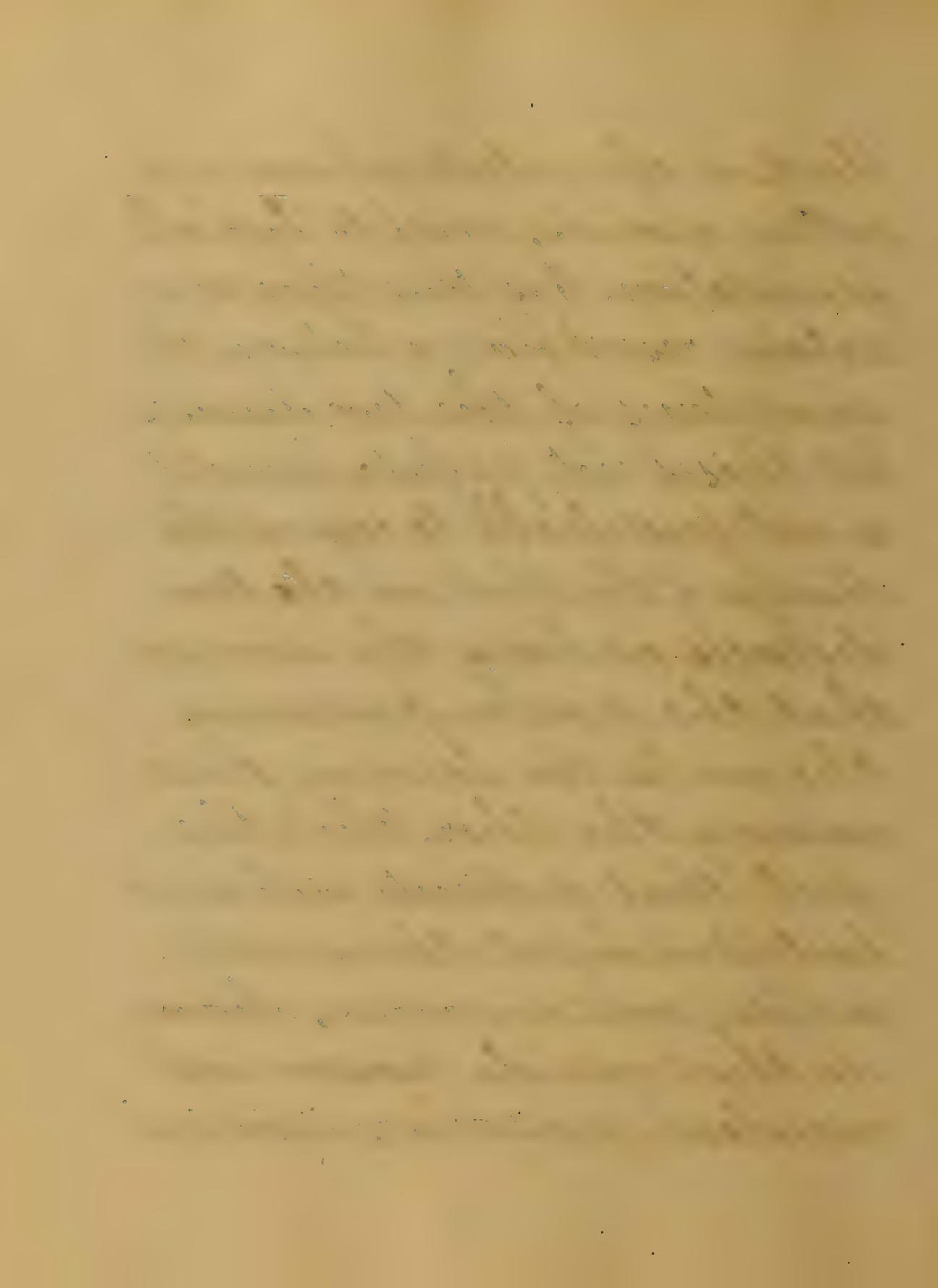
of Foundation
Laying of stone

Typhoid Fever.

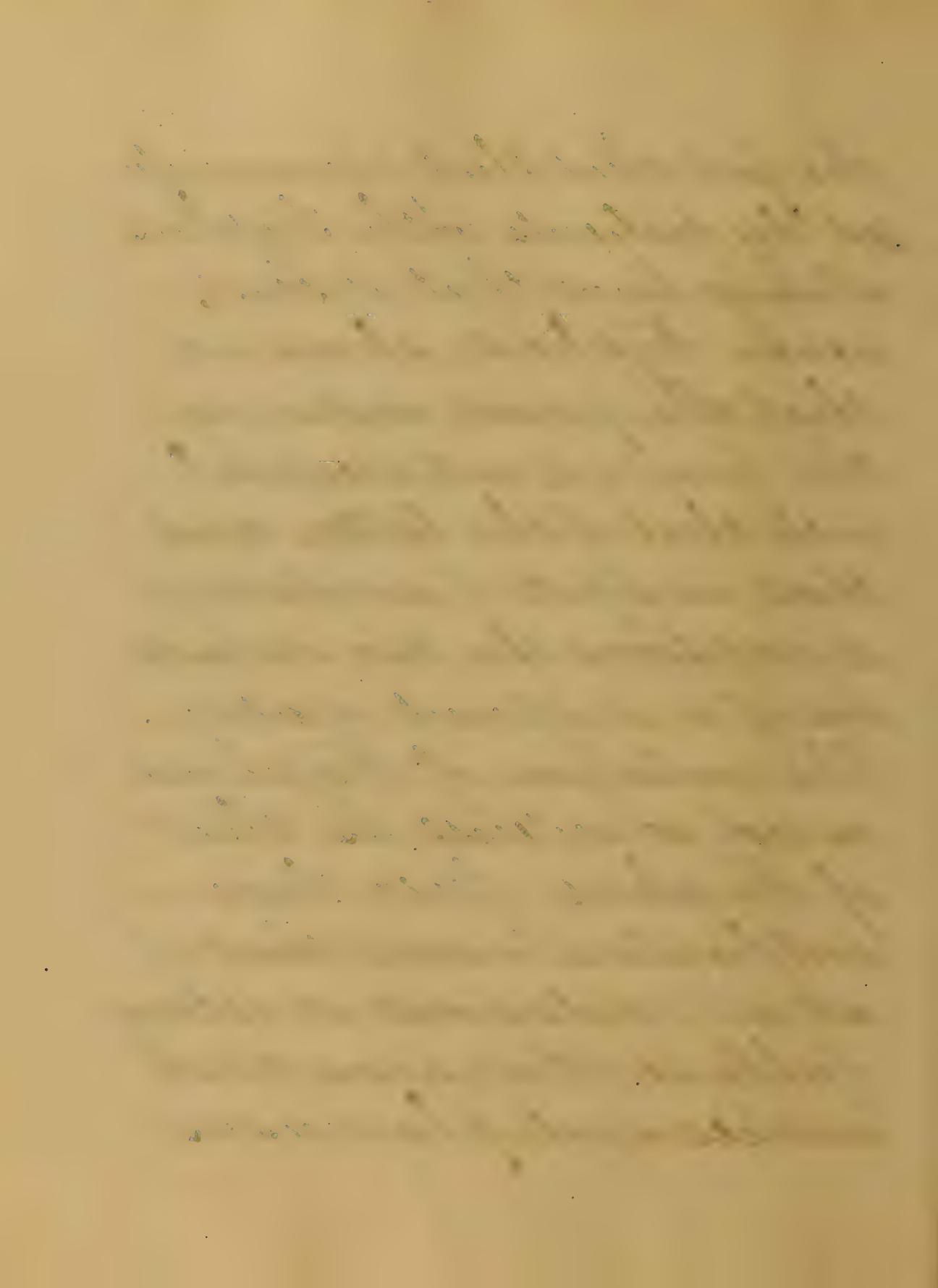
Synonyms - Slow Nervous Fever - Enteric Fever - Abdominal Typhus
Definition - Typhoid is a continued fever, characterized by the presence of rose-colored spots, and specific lesion of the small intestine, and solitaire glands.

Etiology. - The belief that Typhus is a simple, and Typhoid a complicated form of the same disease; that in Typhoid, there are not only changes in the blood which are met with in Typhus; but are also changes in other organs directly concerned in the formation of the

blood, in the intestinal and mesenteric glands, seems to lack all foundation. 'Tis true there is a certain resemblance between the symptoms of the two diseases; but this is not perfect; hence it is not justifiable to regard the changes of the blood in the two diseases as being the same, or that the poison producing the one is the same as that causing the other. While the fact that patients with varioloid often infect others with variola, and vice versa, shows us that variola poison and varioloid poison are identical;

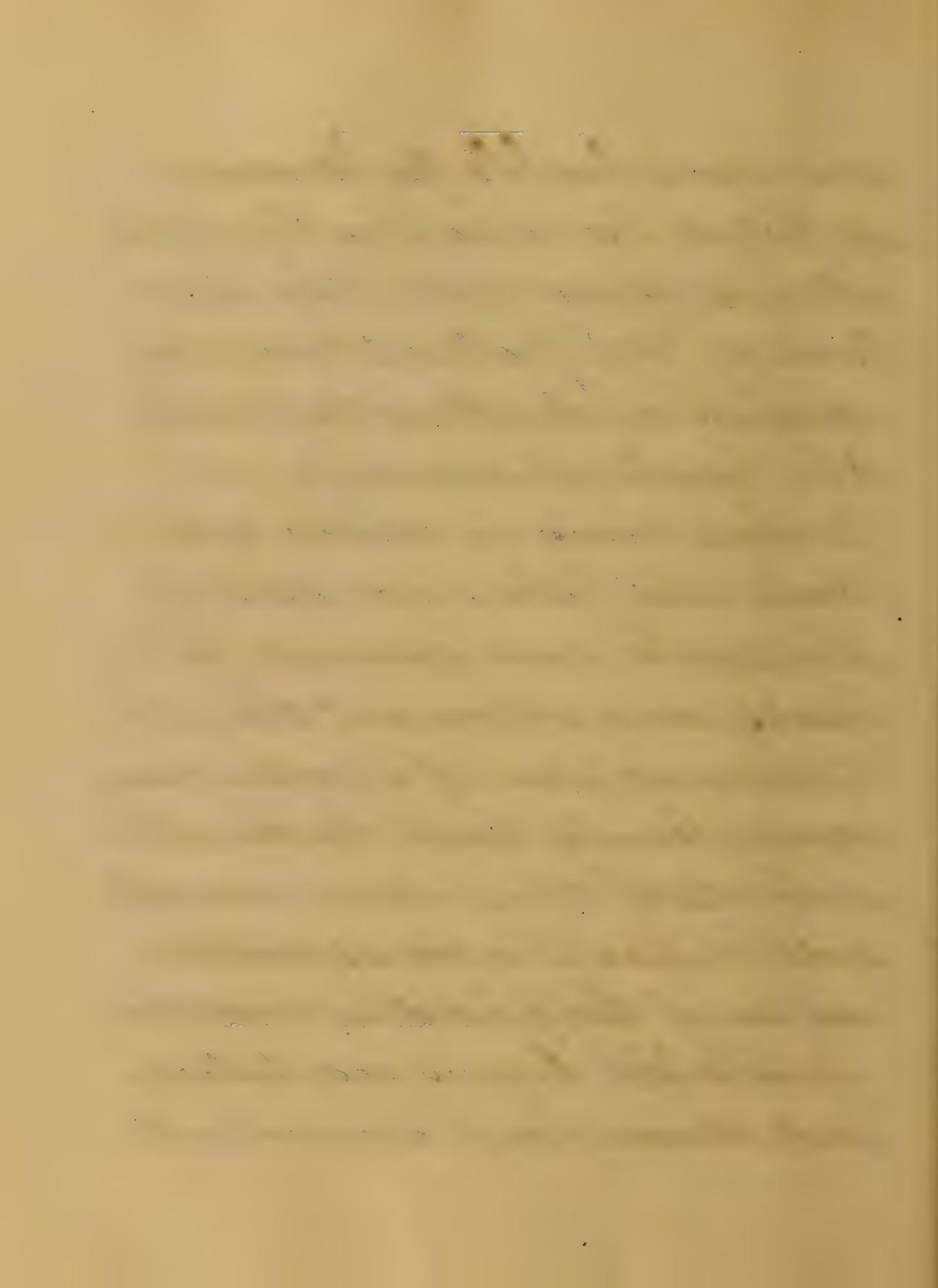


the fact that persons infected by patients with Typhus always have that disease, never Typhoid, shows us that the poison inducing the former is not identical with that of the latter, and that, in spite of similarity of symptoms the two diseases are of a different nature. The contagion of Typhoid is not so intense as that of Typhus fever. Some authorities assert that if at all contagious it is very feebly so. It appears that nurses and physicians



are more liable to become infected by inhaling the fetid odor arising from the decompositions of the patient than by coming in direct contact with the patient himself.

Persons living in remote territories and where no cases of Typhoid have occurred for years, and where not the slightest suspicion of a contagious origin exists, have become the subjects of this dreaded malady; hence the miasmatic origin of Typhoid is rendered probable. Dying vegetation, and decomposed animal matter



seem to be conditions favorable to the origin and development of this poison. The germs are principally conveyed into the system by the air passages, and absorbed by the lungs, and thus taken into the blood; but there are well authenticated cases where persons have become effected by drinking water from a well communicating with a privy. Vitiated water, then, may be the means by which the poisonous germs are introduced into the system.

The soil of large cities always contains quantities of decomposed and putrid animal matter; therefore cities are especially favorable to the development and increase of the germ by whose influence the fever is brought about. Moisture of the soil has more or less influence over the decomposition of animal substances, and consequently effects the production of Typhoid germs.

Persons living in a locality where Typhoid fever has prevailed for an indefinite length of time, are not

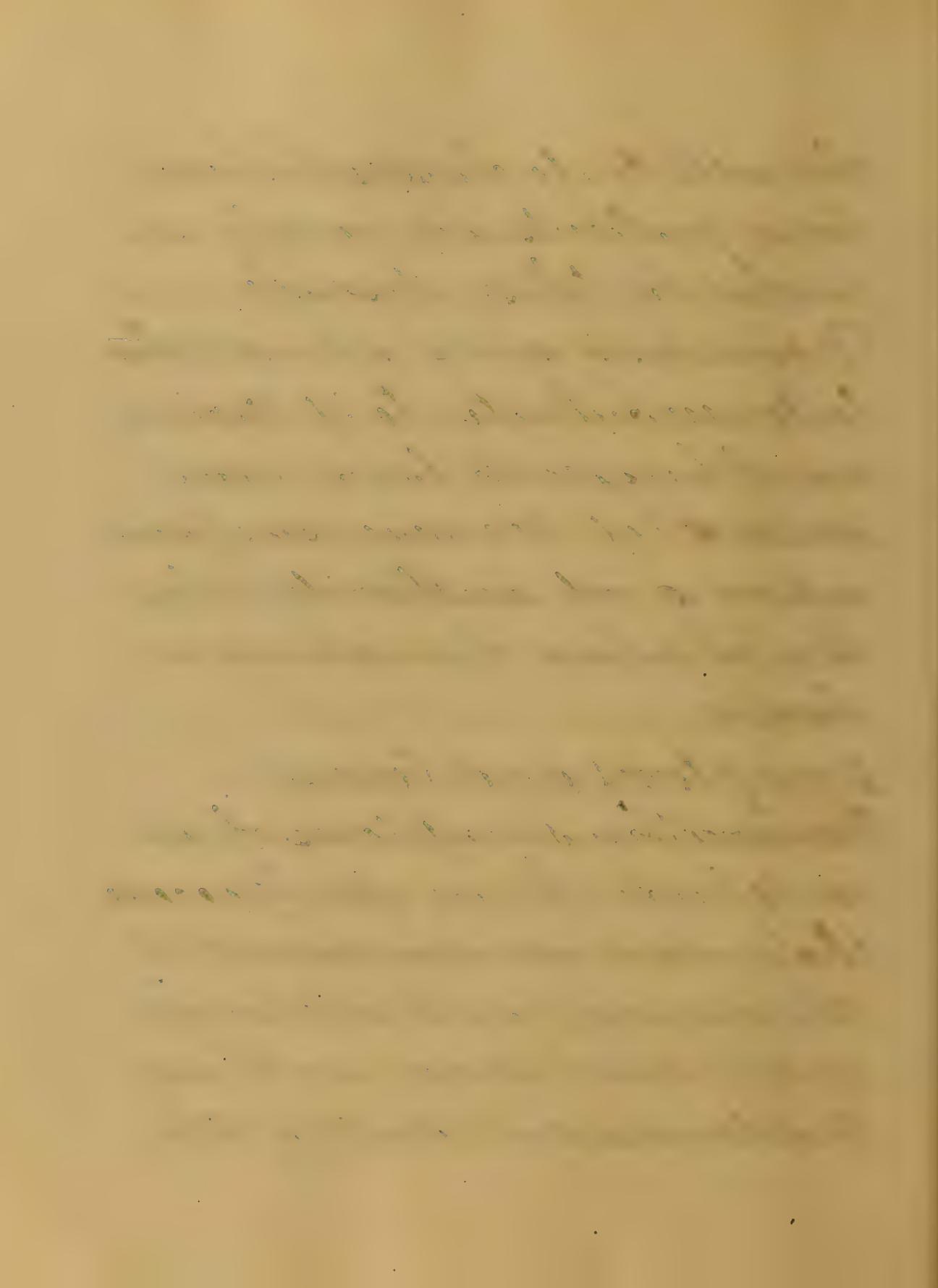
so liable to be effected by the Typhoid poison as those who have recently made this place which is peculiarly liable to the disease their home. Infants and old persons, according to statistics, are rarely attacked by Typhoid. Middle aged persons are most liable to it, males are attacked oftener than females; strong well-nourished persons oftener than weak, badly-nourished ones, and that the disease is proportionately more frequent among the poor than among

the well to do classes. Tuberculous patients are rarely attacked by this disease.

Pregnancy gives almost absolute immunity to it. Variations of hygienic laws may induce it. We may say, and upon good authority, that the Typhoid fever causes are obscure.

Symptoms and Course.-

Premonitory symptoms of an indefinite nature often precede the evident commencement of the disease; and although at the time do not enable us to determine or identify the



malady; they do often assist us in distinguishing Typhoid fever from other affections that begin suddenly, without premonitory symptoms. The patient experiences general illness, loss of appetite, indigestion, lassiness, headache, pains in the limbs, which have a tendency to wander, and are sometimes considered rheumatic.

The disease is itself ushered in by a chill. The tongue becomes furrowed and dry. The patient is very sensitive in the right iliac fossa. From day to day the temperature increases

The pulse ranges from 110 to 115 beats per minute. In three-fourths of the cases we find rose-colored spots present. Sudamina, or sweat vesicles are met with in a great many cases. Flocitatis, or piccina at the bed clothes is seen with many patients. We have one degree of rise of temperature to ten of the pulse. In early stages we have epistaxis. Insomnia often gives rise to much trouble.

The urine often contains albumen. Sputa may be present. Hemorrhage from the bowel indicates perforation of the intestine. A clammy sweat generally

indicates the approach of death.
Typhoid fever commonly lasts
from three to four weeks.

In this disease there are a great
many variations. There is great
thirst, no appetite, and many
patients complain of a slimy or
bitter taste in the mouth.

The epistaxis met with in the
first stage, partly overcomes the head-
ache, and thus relieves the sufferer.
About the end of the first week
enlargement of the spleen is
ordinarily manifest. As the disease
progresses the dizziness and ringing
in the ears increases. The patient
becomes excessively weak; he can

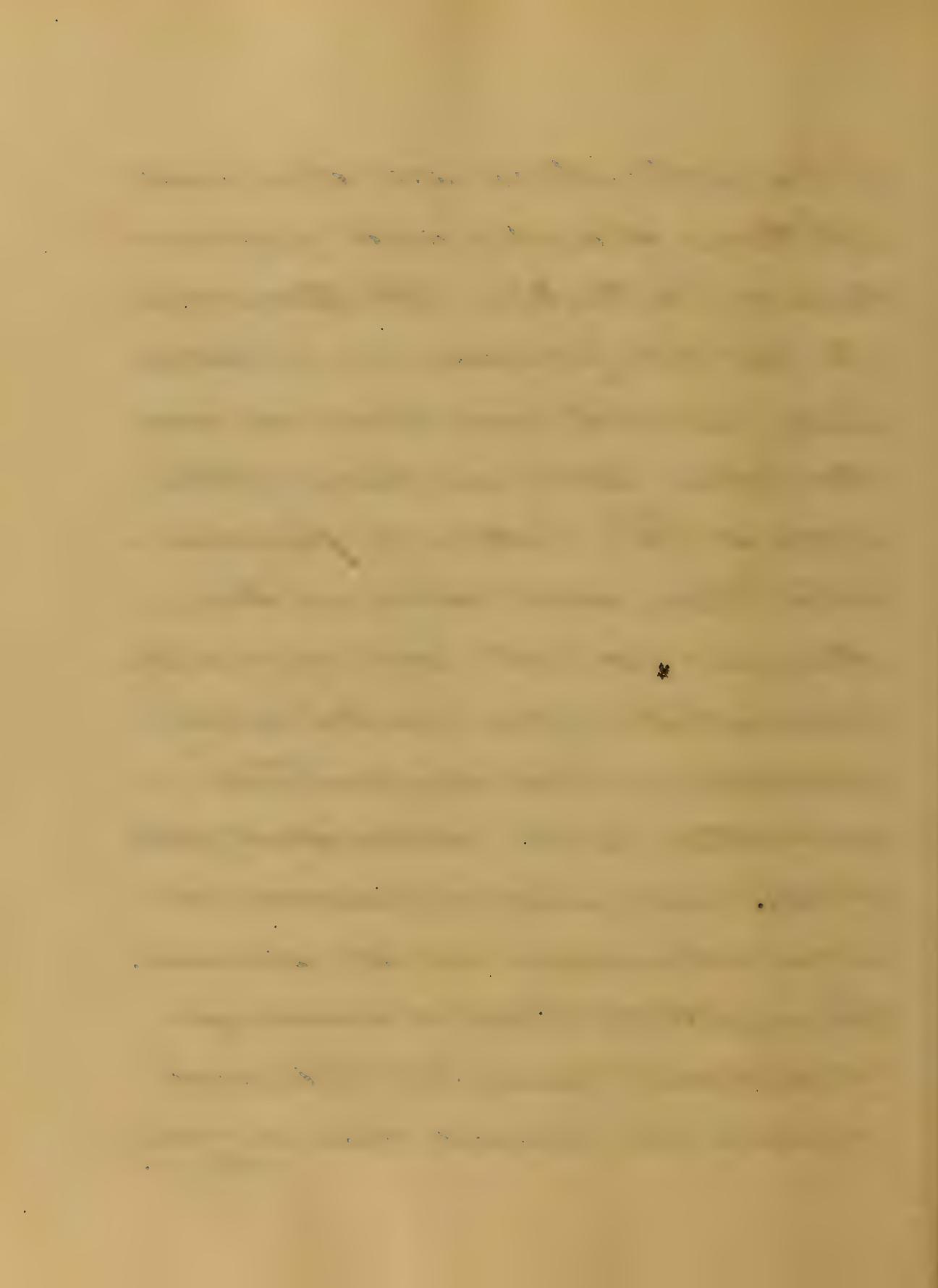
not sit up alone; and if the bed be inclined he slides down towards the foot of it as often as he is lifted up. About the beginning of the third week there is apt to be an increase of the temperature and of the pulse. Fatal termination is most common about the third week.

The more respiration is affected the sooner and more readily paralysis of the heart occurs.

Anatomical Appearances -

Brain diseased, kidneys affected, spleen enlarged and softened. These changes are not necessarily ^{acute} characteristics of this fever.

Characteristics are diseased solitaire glands and perforation of intestine. Solitaire glands in old persons are reduced, hence can not find them in same developed state as those of the young. The bodies of persons who have died early in the disease do not appear really emaciated; rigor mortis is very marked; we find hyostatic congestion in the dependent parts of the body, and occasional bed-sores common over the sacrum. The nostrils have a smoky appearance, and the teeth and gums are covered with a black coating.



There are often sudamina, or sweat vesicles on the skin. When the body is opened the muscles present a very dark-red, hard, and dry appearance. The heart and large vessels are found filled with thick dark-colored blood, which contains little, loose, blackish-red coagula rarely a small amount of dissolved fibrin. After the Typhoid has continued sometime the blood is consumed, and becomes poor in albumen and blood-corpuscles. The brain when examined is sometimes found to contain more, sometimes less blood and varies in consistency. In all cases changes are

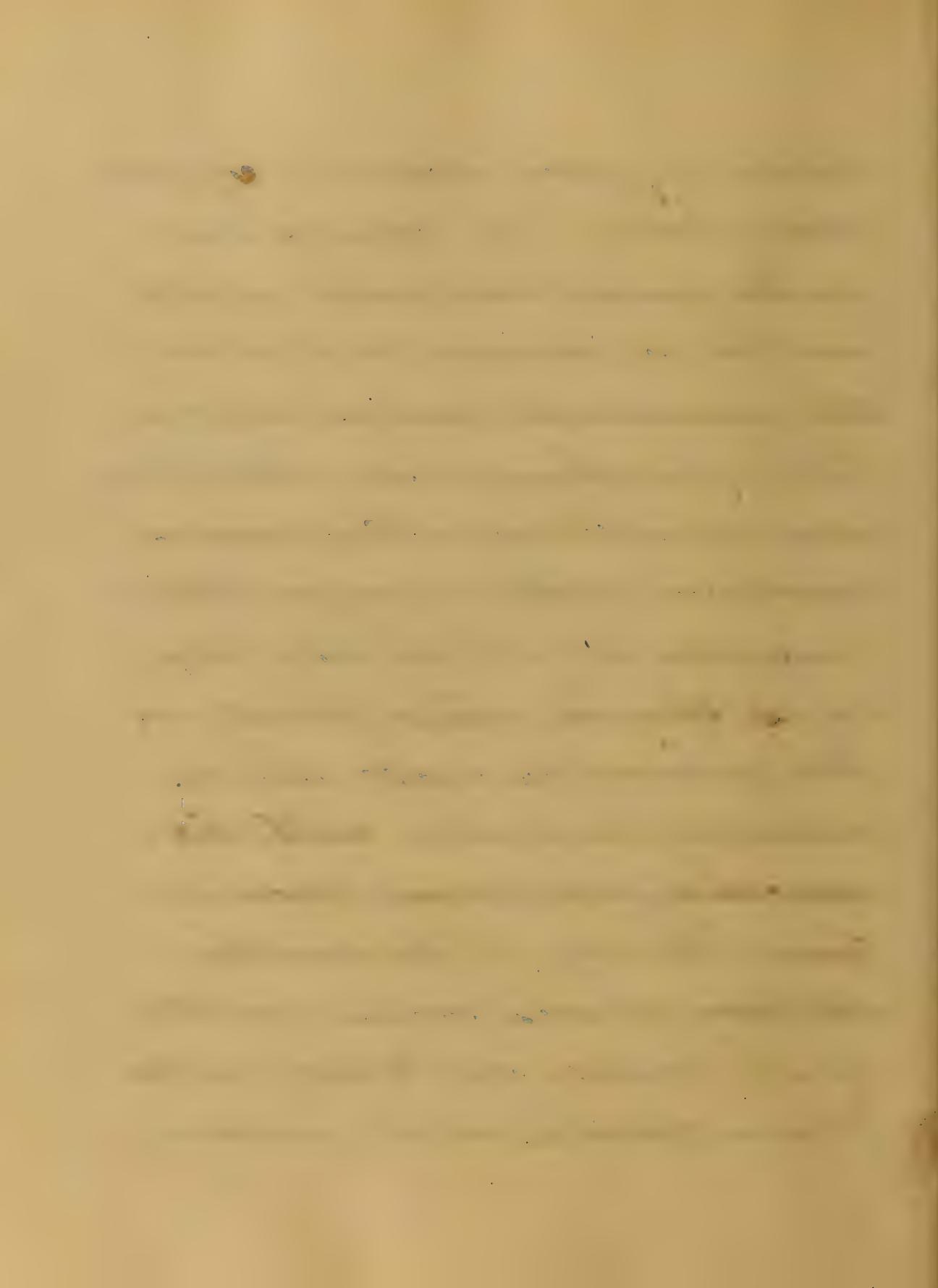
found in the respiratory organs.

There are always signs of extensive catarrh, even in the smaller bronchi, marked by dark redness of the mucous membrane, and scanty, tough secretion. The lungs are found in a more or less congested condition. In some cases we find lobular pneumonia. The bronchial glands are swollen, vascular, and sometimes have a medullary appearance. The heart is found to be in a state of relaxation, its muscles pale, or of a dirty red color. The endocardium and lining membrane of the vessels are infiltrated red, and discolored.

The spleen is greatly enlarged, occasionally twice, or even five or six times its natural size, its capsule is tense, its parenchyma of a dark violet, or of a blackish red color. In rare cases we find the capsule of the spleen ruptured and the blood poured forth into the peritoneal sac. The mucous membrane of the stomach sometimes appears dark red, from injection of the smaller vessels and relaxed from infiltration after death. The most important changes occur in the small intestine. Kistensky divides these changes into four stages.

In the first or congestive stage
the mucous membrane of the
small intestine is the seat of
great hyperaemia. It appears
swollen, relaxed, cloudy, covered
with mucous and epithelial
masses. The mesenteric glands
are moderately swollen, soft,
vascular and dark-coloured.
In the second stage, or that of
infiltration, the general redness
and swelling of the mucous
membrane increases, and concentrate
on the parts around the solitary and
Peyer's glands in the lower part
of the ileum. In these tissues
there are very important changes.

which are pathognomonic of Typhoid.
more or less of the glands and
parts around them, swell so as to
rise half a line or a line above
the surrounding mucous membrane.
These prominences are rather hard,
and show through the mucous
membrane with a gray or yellowish
red color; they have flat or steep
edges; they are seated firmly on
the muscular coat, and are
intimately connected with the
mucous membrane covering
them. The size of the swollen
solitary glands varies from that
of a millet-seed to that of a pea.
Peyer's patches, on the contrary,



form patches from the size of
a silver grochen, to that of a dollar,
they are generally oval in shape,
and in the vicinity of the valve
they usually coalesce, so that at
this point they usually cover a
strip of intestine several inches
long. On the out surface it
looks as if the diseased intes-
tinal glands were infiltrated
with a soft, grayish white, or
pale reddish *encephaloid* mass,
and although it has of late been
found that in *Typhoid* disease
the intestinal glands are not
infiltrated with amorphous exuda-
tion, but that there is an increase

of their cellular elements, which, even under normal circumstances are peculiar, still the expression "medullary infiltration" has almost universally been preserved.

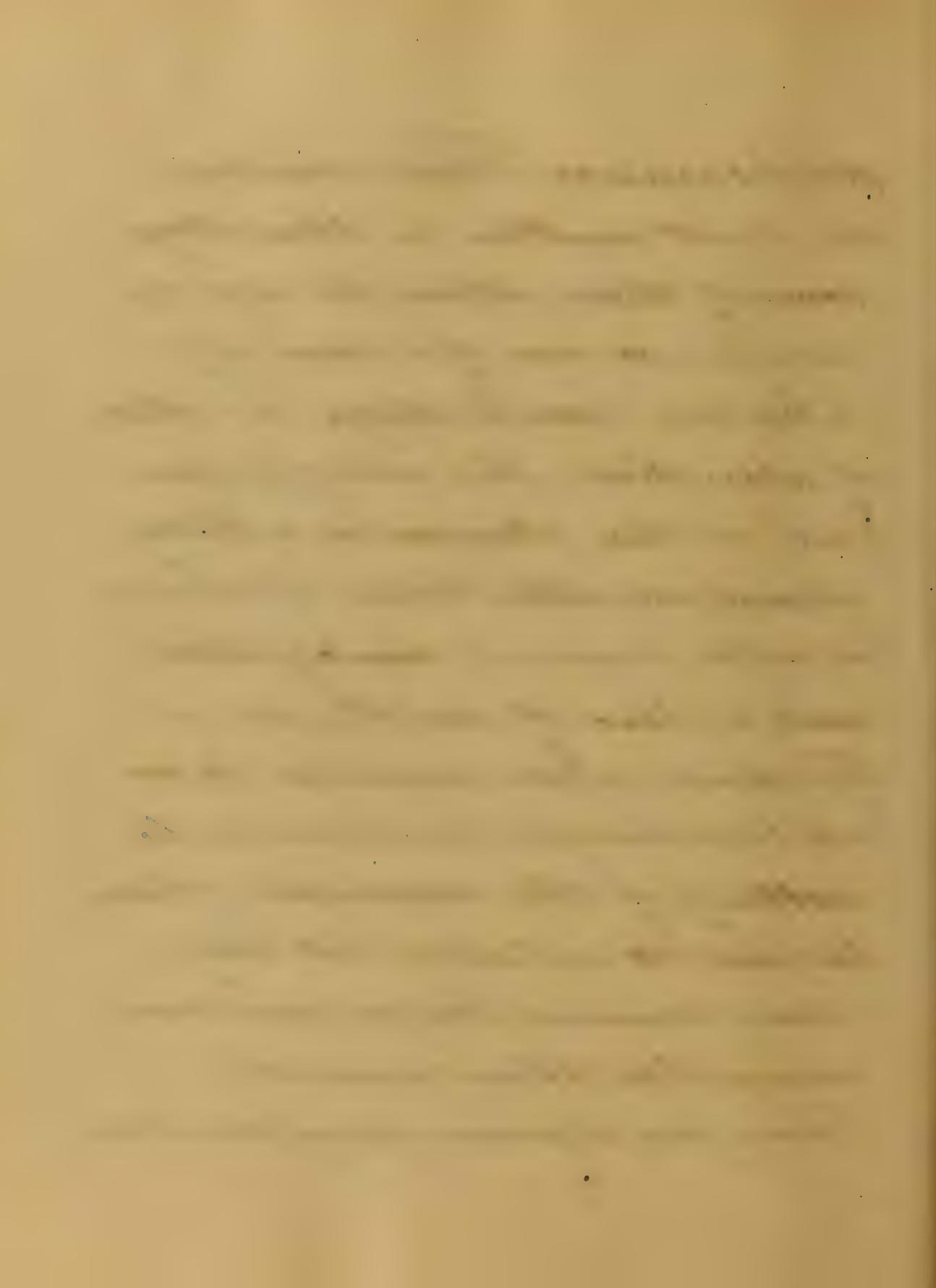
Occasionally, the degeneration extends beyond the follicles, and there is a medullary infiltration of the connective tissue of the mucous membrane in their vicinity, a cellular neoplasm originating from the connective-tissue corpuscles. In this stage, the mesenteric glands are swollen to the size of a bean, or a hazel-nut, are of a grayish-color, and quite hard.

On the third stage or that of relaxation, softening and breaking down the changes in the effected glands vary greatly in different cases. Not unfrequently the process becomes retrograde, without the occurrence of destruction of the wall of the follicle, or of the mucous membrane covering it: the swelling of the glands subsides, while their contents are reabsorbed after the cellular elements have been destroyed by fatty metamorphosis. In other cases the covering of the follicles is changed to a thin, watery slough,

colored yellow by the faeces.
This slough sometimes extends over the whole of the gland, so that its form and size correspond to those of the plague, sometimes it is limited to part of the covering, and the slough has an irregular, angular or roundish form. In still other cases the individual glands composing Dersé's patches, rupture, and empty their contents outwardly without the covering sloughing. As a result of this the surface of the plague looks as if full of holes, or has a net-like

appearance. The mesenteric are most swollen in this stage, some of them attain the size of a pigeon's, or even of a hen's egg.

On the fourth stage, or that of ulceration, the sloughs formed on the plaques or solitary glands are either thrown off in mass, or, after precedent disintegration, and a loss of substance, a typhoid ulcer remains. As soon as the slough is detached the swelling of the mesenteric glands begins to subside, but they long remain larger and more vascular than normal. There are however many deviations

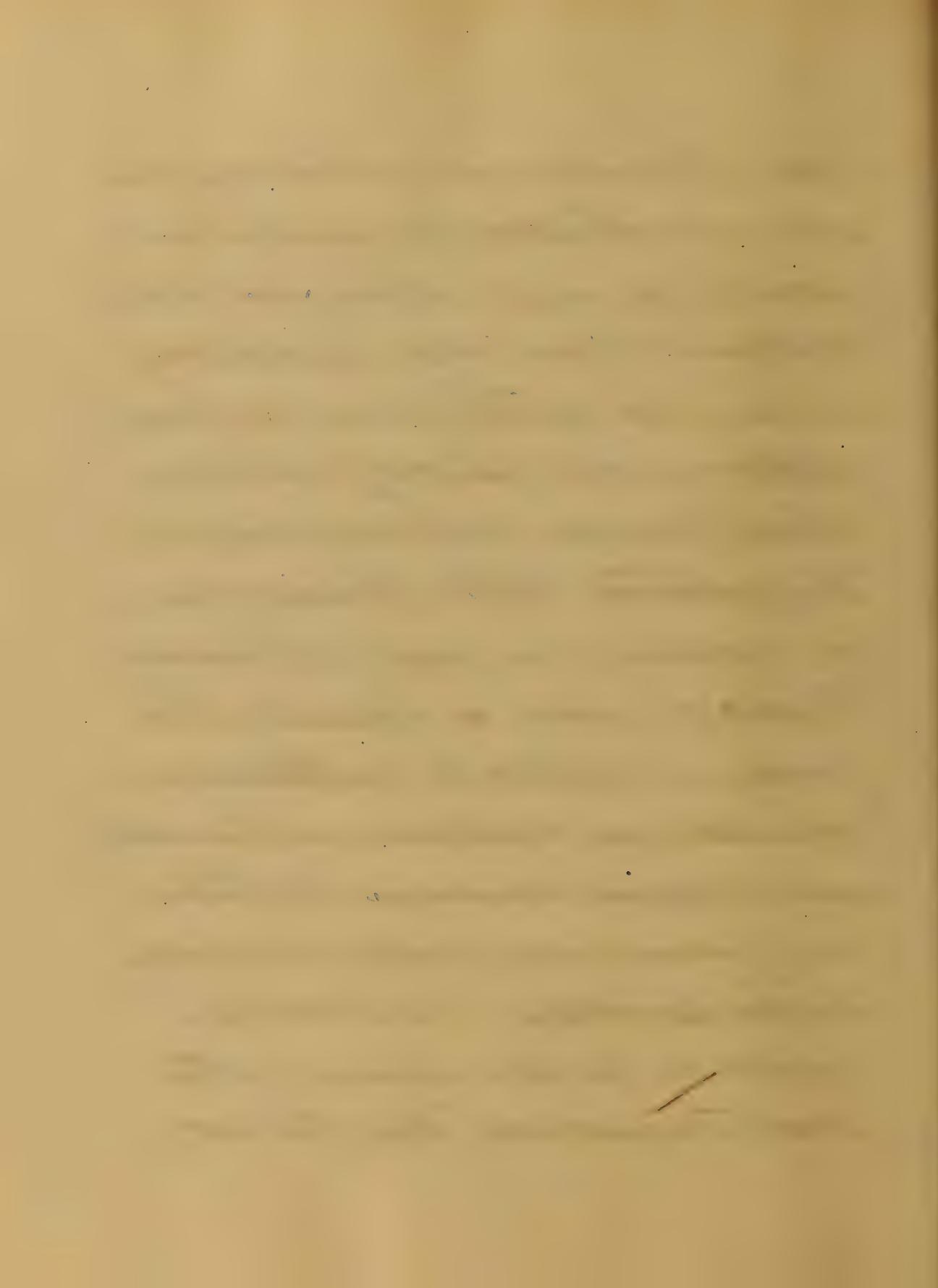


from this customary course of
the disease on the mucous
membrane. Typhoid fever
may be known from Typhus
in the following ways: In Typhoid
a rose-colored rash appears,
in Typhus the rash is of a
mulberry color. Typhoid usually
attacks young persons between
age of 15 and 45 years, Typhus
attacks old persons. In Typhoid
there is ulceration, in Typhus
there generally is no ulceration.
Prognosis. Typhoid fever is
not by any means necessarily a
fatal disease. In one case in
twenty peritonitis is met with.

and this complication of course adds to the danger of the patient.

Treatment. — In Fyphora fever the treatment is both expectant and active. If the bowels be constipated we must clear them in the first, not the last stage. A mild aperient should be administered. Castor oil, a Seld-
lit's Powder, Rhubarb and Magnesia will answer every purpose. A loaded stomach must be relieved by an emetic. Care must be taken not to depress the patient. The tendency from the first is downward, hence must stimulate

Wine, Brandy and Whiskey often
serve as admirable remedies to
give life and strength to the
sufferer. Wine whey made by
boiling two parts of milk, and
adding one part of wine is
often found very beneficial to
the patient. Milk Punch made
by adding one part of Brandy
to two of milk is equally as
good. In febrile excitement
crushed ice dissolved in the mouth
and Liquor ammonii acetatis
are found very useful in lowering
the temperature. Wet cloths
applied to the head often
serve to reduce the heat.

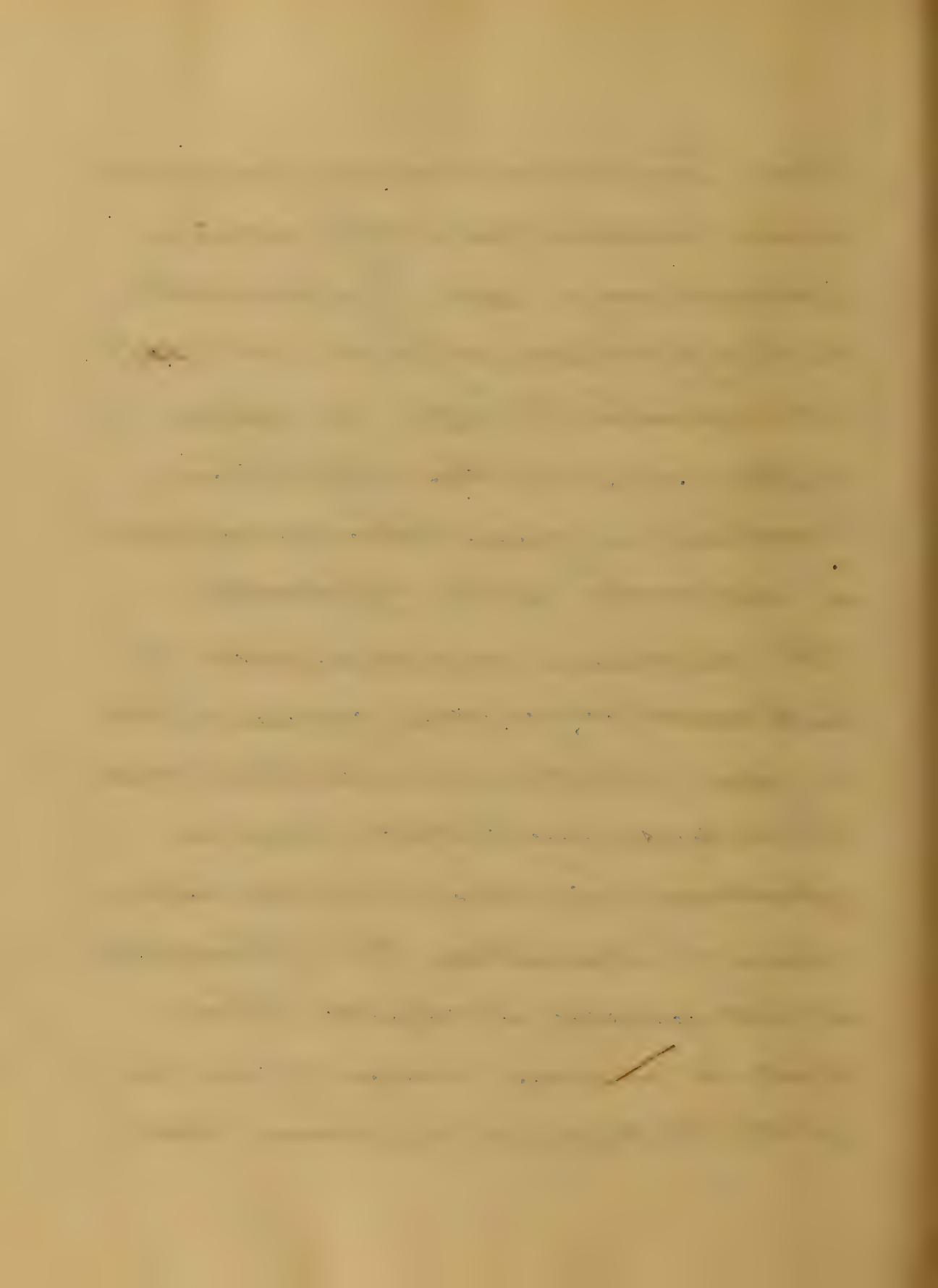


These ^{cold} applications should only be used however, when the skin is hot and dry. In Syphora the hyperpyrexia is from 105° to 110° F. Huxham's Tincture of Bark is much given in this affection.

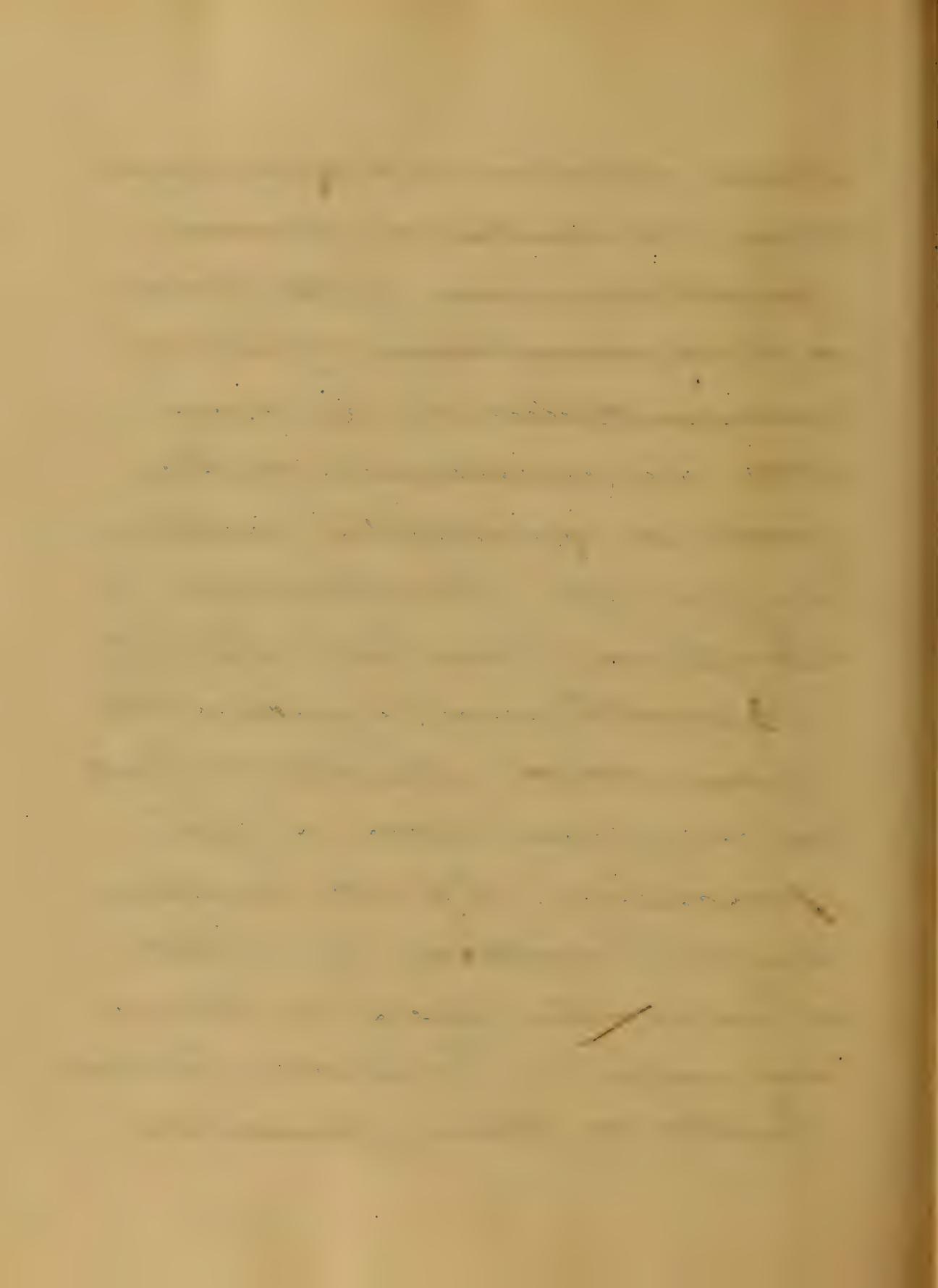
Quinine is given because malaria is supposed to be present.

In moonnia accompanied by hot and dry skin, opium should be given combined with Blue-Mass. Red and dry tongue, pain in abdomen & also forth are indications of ulceration. Oil of Turpentine is best remedy to oppose this.

Give it in doses varying from ten to thirty drops in emulsion with



Gum Arabic and Loaf Sugar
Where peritonitis is present
perfect quiescence of the bowel
is to be maintained by the
administration of Opium.
more the movement of the
bowel in peritonitis greater is
the danger. In diarrhoea of
Typhoid fever sub-nitrate of
Bismuth may be given in ten
gram doses. Acetate of Lead
in one gram doses is often
prescribed. Chalk mixture
and Emulsion of Zinc
in teaspoonful doses are found
very useful. Typhoid fever is
treated on general principles.



Good food is of much importance. The lives of many patients have been saved by removing them to the open air, or by placing them in tents where they would have free access to the pure air.

