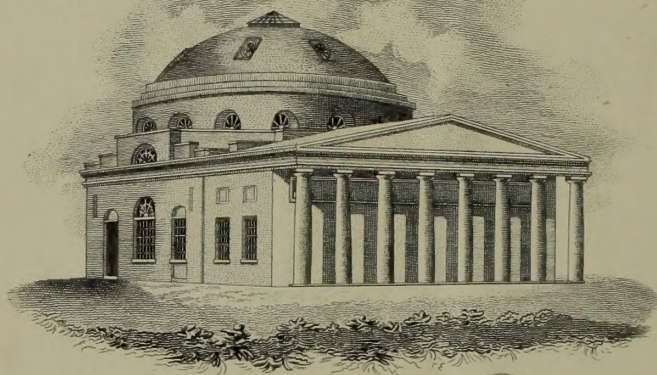


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Early Doctor of Medicine and Doctor of Physic Dissertations with Corrected Tables of Contents

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.

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UNIVERSITY OF MARYLAND

THESES

1875(b)

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¹ Sources consulted have E. Jules Trader in the graduating class of 1876.

Author	Title	Notes
Catlin, William J.	Intermittent Fever	

UNIVERSITY OF MARYLAND

THESES

1875 (b)

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An
Inaugural Dissertation,
On
Typhoid Fever.
Submitted

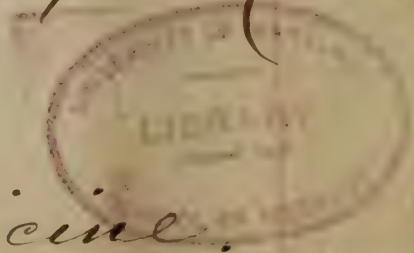
To the Provis Regents & Faculty
of Physic,

(of the

University of Maryland.

for the degree of,

Doctor of Medicine.



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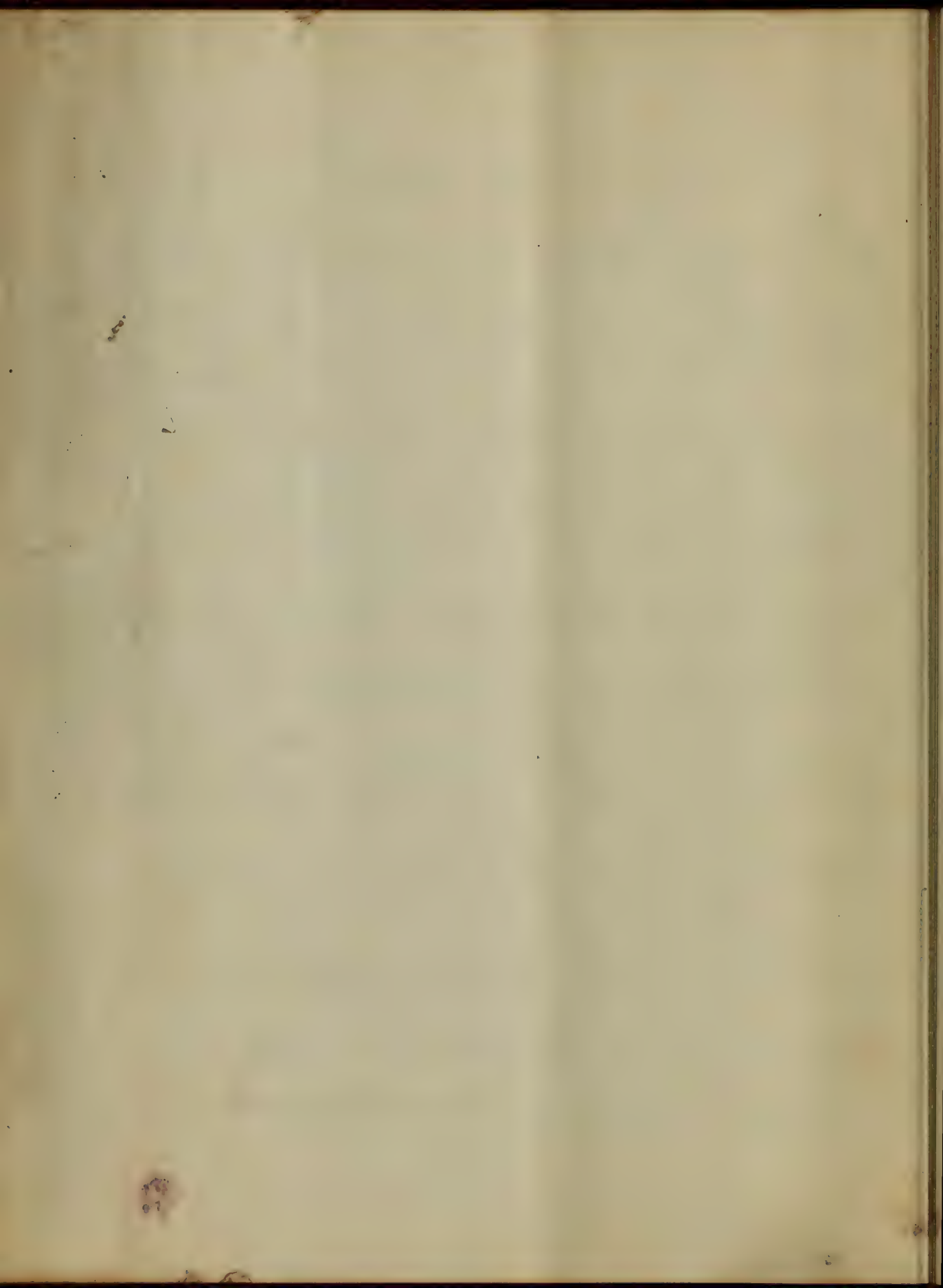
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by Wm. Peter Webb.
1845.



Typhoid Fever.

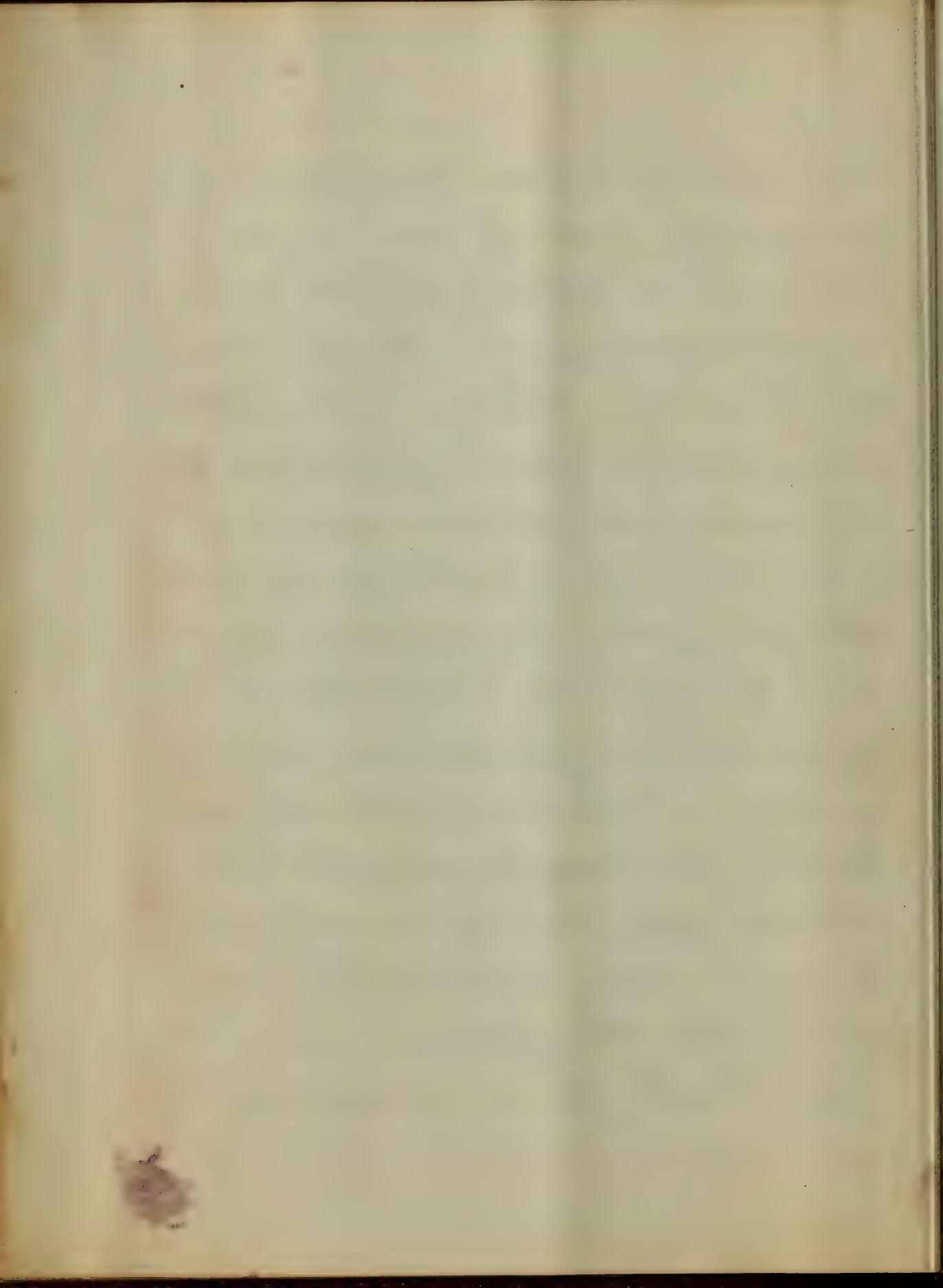
The name typhoid signifies typhus-like, hence the application of the term to this particular form of fever, which, though it closely resembles typhus in some respects, is a separate and distinct disease. - This name however, is open to objection; as it has been applied to various other forms of low fever, consequently giving rise to no little confusion. The name enteric had been suggested by Prof G. B. Wood, on account of the intestinal lesions, but as these lesions occur as complications, rather than as causes of the disease, this name is also objectionable; as it would be apt to lead to



the error of supposing these lesions to
be the cause of the disease. The name
abdominal typhus, has been applied to
it by German authors. Murchison de-
nominates it pythogenic fever, upon
the theory, that the matter most
is putrescent matter, which is ab-
sorbed into the blood. But this theory
however there is no solid foundation,
as the true cause of the disease, has not
as yet become settled in the minds of
the profession. This name therefore is
objectionable as involving a false hypothe-
sis. We shall therefore continue to call it
typhoid, until more light upon the
subject, shall reveal us a name, which shall
be more expressive. Anatomical Characters. The intestinal



lesions in this disease, are found principally, in the Peyerian or agminated, and the solitary glands of the small intestine, & in the glands of the mesentery. These glands first become enlarged, from hyperplasia of the individual cell elements, out of which the serous sacks are composed. Sloughing then takes place, in those glands which are nearest the Coecum, and extends upwards, the time between the beginning of the sloughing process in the lower glands, and those that are uppermost, varies greatly; sometimes, the lower glands slough away entirely, before the upper ones begin to separate. The glands are supposed



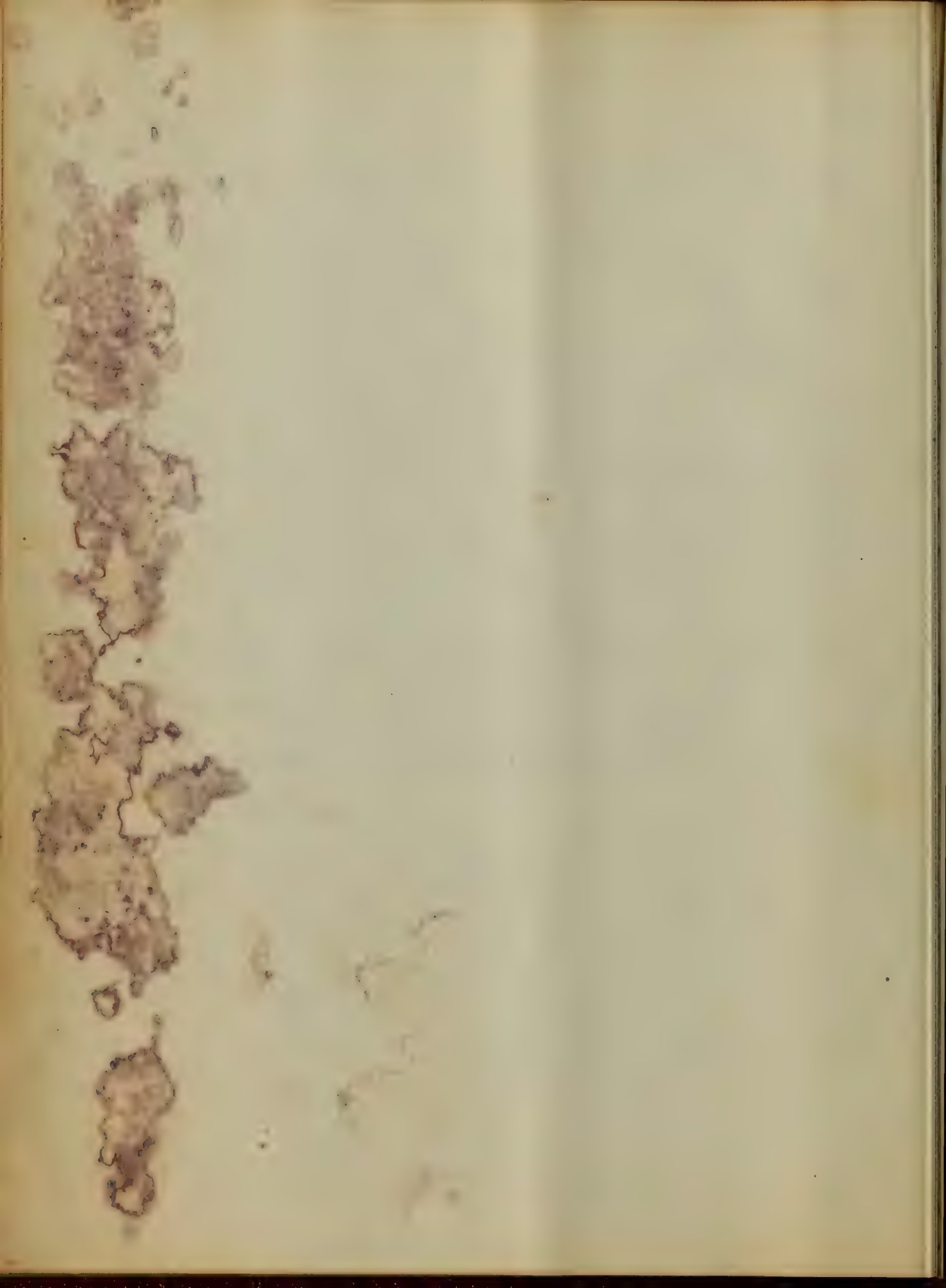
to become congested, before suppuration takes place, but this is rather conjectural. The glands in some cases are very much enlarged, being raised one or two or three lines above the surrounding mucous membrane. They are also indurated to the touch, and sometimes present a serrated margin; in some instances, there appears to be an overlapping of the mucous membrane around the margins of the glands, presenting the appearance, of an "undermining, process going on beneath the shelving border." The mucous membrane covering the affected glands, is generally of a pinkish or purpleish hue, the corresponding portion of the peritoneum is also much injected.



The glands slough away, ulceration follows, and if perforation does not take place, the muscular fibres of the intestine are distinctly visible at the bottom of the ulceration; so that they, with the peritoneal covering, alone constitute the wall of the intestine. The healing process or the process of cicatrization, then commences. A thin layer of serous membrane first forms, and gradually thickens, until finally, no trace of the ulceration remains, save the marks of the cicatrix. The cicatrix in no way constricts the intestinal canal. I should have stated, that the sloughing process, is rarely completed before the end of the first week. If patients die during the second week, the

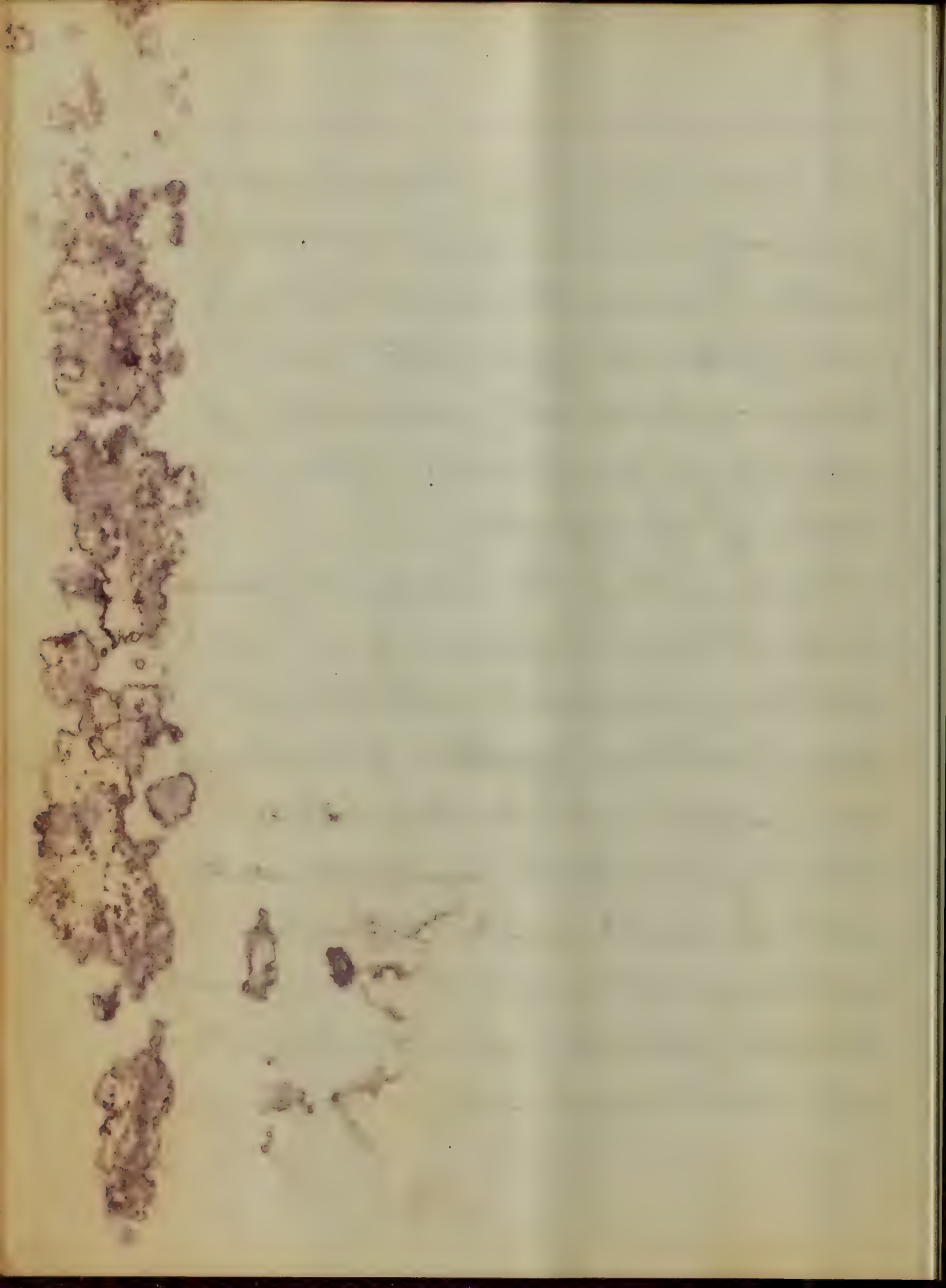


sloughing proap is generally found to
be going on. Perforation from ulceration,
following the suppuration and slough-
ing, is of common occurrence. Some-
times perforation is produced by slough-
ing of the affected part of the intes-
tine. In the former case, the perforation
is generally small, being about the
size of a pins point, while in the
latter, the opening is often quite large.
In either event however, as a general
rule, fatal peritonitis will almost
invariably follow. The sloughing,
says Dr. Flint, is evidently due to nec-
rosis, resulting from arrest of the
circulation (ischæmia).



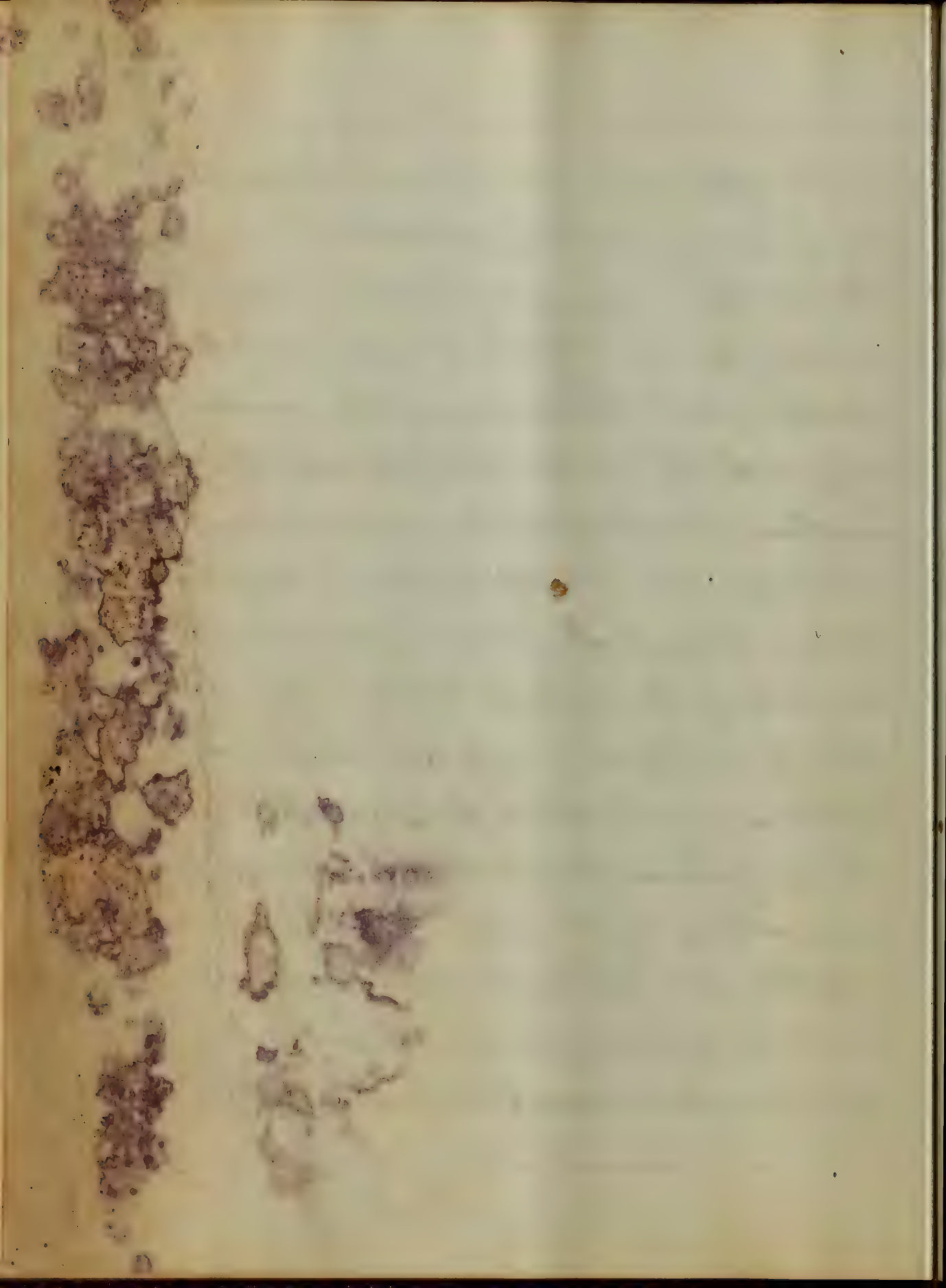
The process of healing & cicatrization,
generally commenced about the third
week; it is sometimes exceedingly
slow, extending far into convalescence;
hence the necessity of exercising
great care in the regulation of the
infesta.

The glands of the mesentery some-
times become enormously enlarged,
attaining in some instances, the
size of an hens egg. These glands some-
times suppurate, the slough being
discharged into the peritoneal sack,
with the usual result. This however is
not always the case, as these enormously
distended glands gradually decrease in
size, as the supuration & sloughing

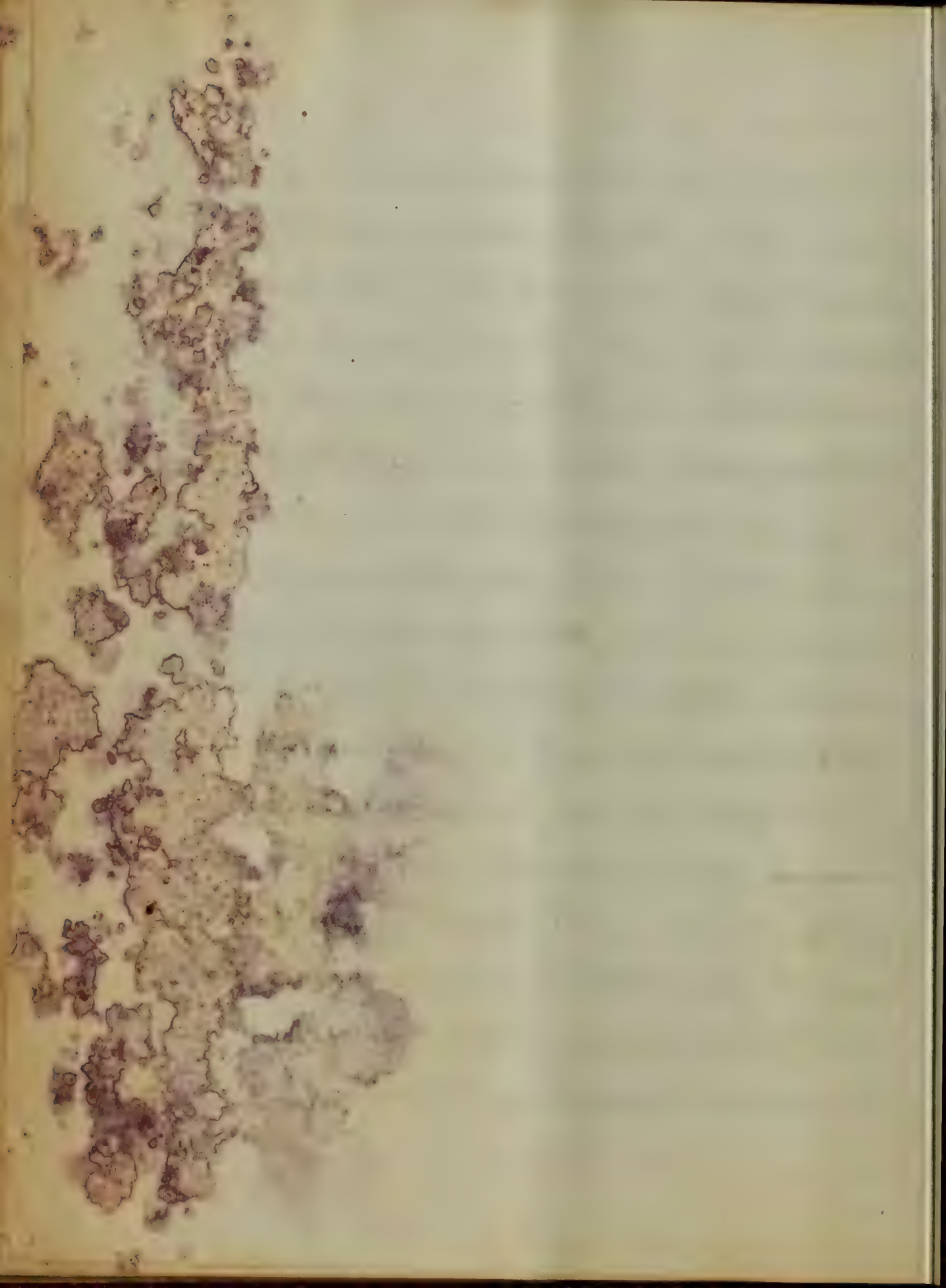


in the upper glands diminished, and
are finally entirely absorbed.

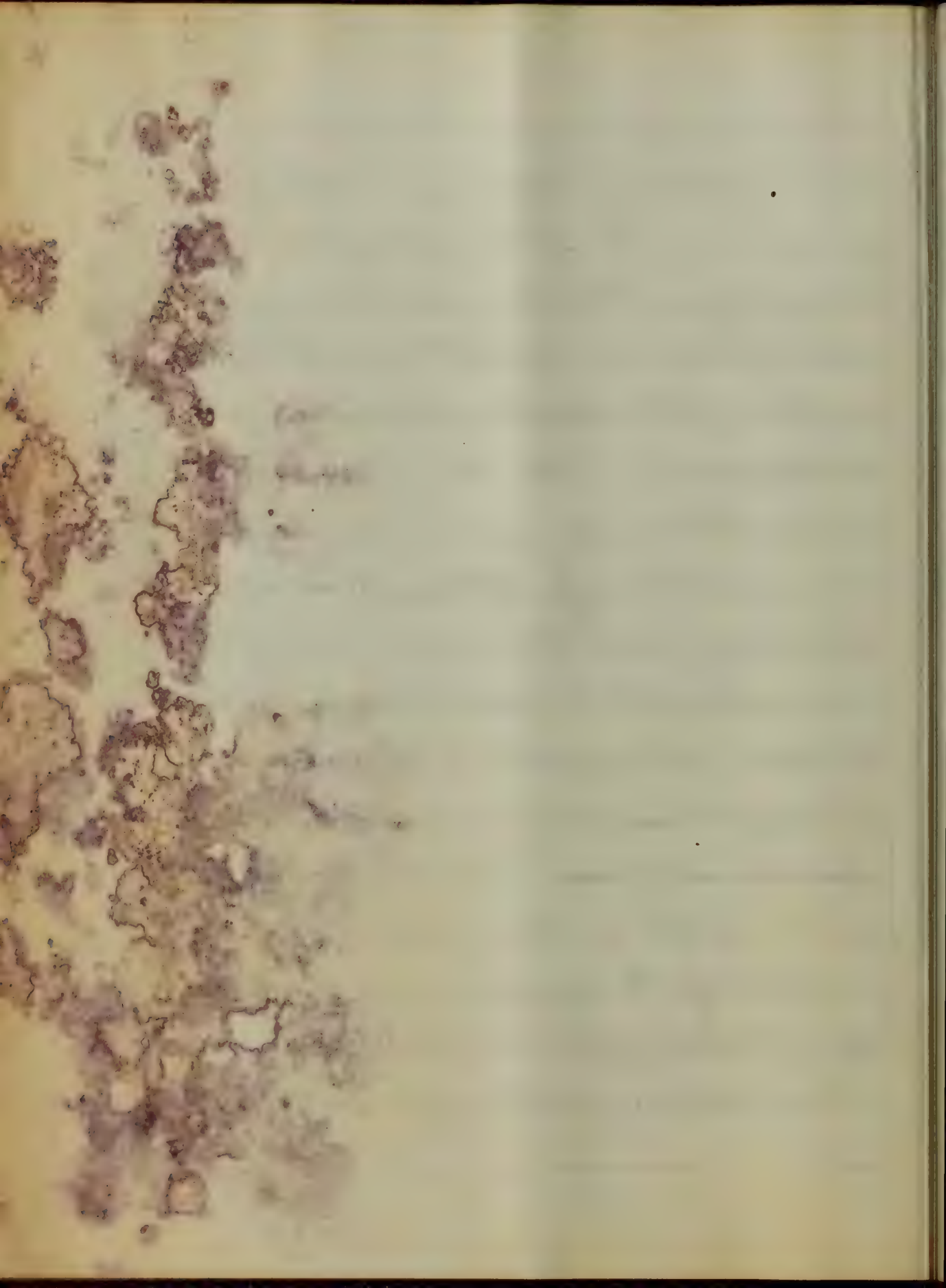
It has been my good fortune, while
preparing this thesis, to examine a
pathological specimen of the mesen-
tery, with the distended glands, though
in this case the glands were not quite
as large; as stated above is some-
times the case. In this particular case,
the size of the enlarged glands was
that of a pigeon's egg, or perhaps a
little smaller. This patient did not
die of typhoid fever, but from a condition
resembling typhoid, which Prof. Crew
styled, the typhoid state; had he
lived long enough, in all probability,
typhoid fever would have been developed.



There are sometimes lesions of the
brain after death; these consist, of
serous effusion into the lateral ven-
tricles, and into the sub-arachnoid
space. There is also considerable cere-
bral congestion. There is no effusion of
fibrin; consequently, the lesion is no
evidence of meningitis, this complica-
tion being rare. It is doubtful however
whether these lesions are peculiar to
this disease or not; as they are often
found after death from other diseases,
having no connection whatever, with
typhoid fever. The intensity of the
cerebral symptoms, are not proportional
to the phenomena presented by parts of
the nervous system, other than the



be seen, then presenting nothing abnormal. The spleen is often enlarged & softened; congestion existing also to such an extent as to cause rupture of the capsule & hemorrhagic extravasation into the peritoneal sac. The kidneys are sometimes very much congested, and at others extremely pale; the urine is albuminous, and in some cases, deficient in urea; the muscles sometimes undergo change; they become waxy & sometimes granular; this condition is attributed to the coagulation of the contents of the myolemma, it generally affects those of the thigh, abdomen, chest, tongue, diaphragm &c. As a

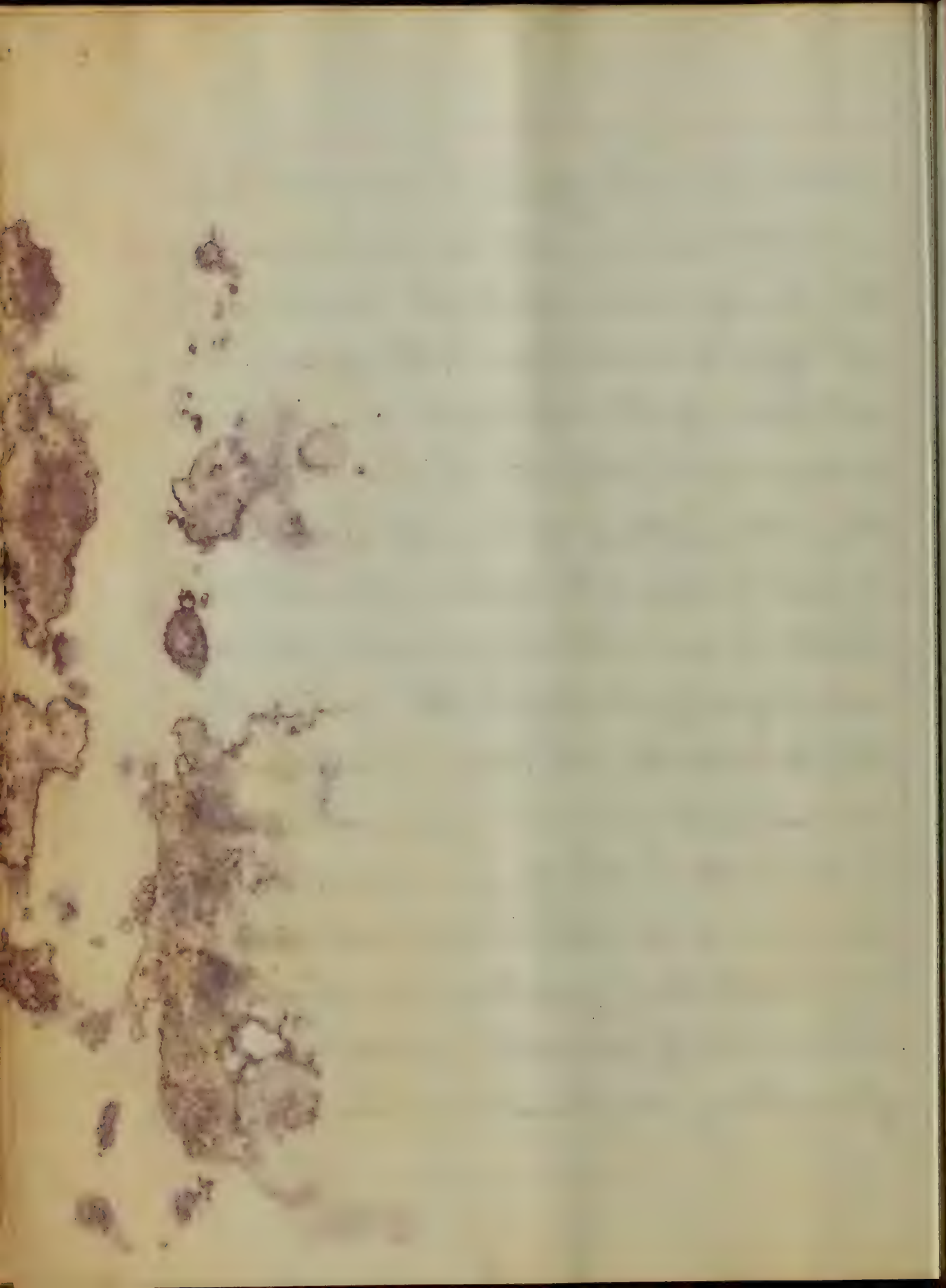


effect of this change, rupture of the vessel, & hemorrhage, sometimes takes place. -

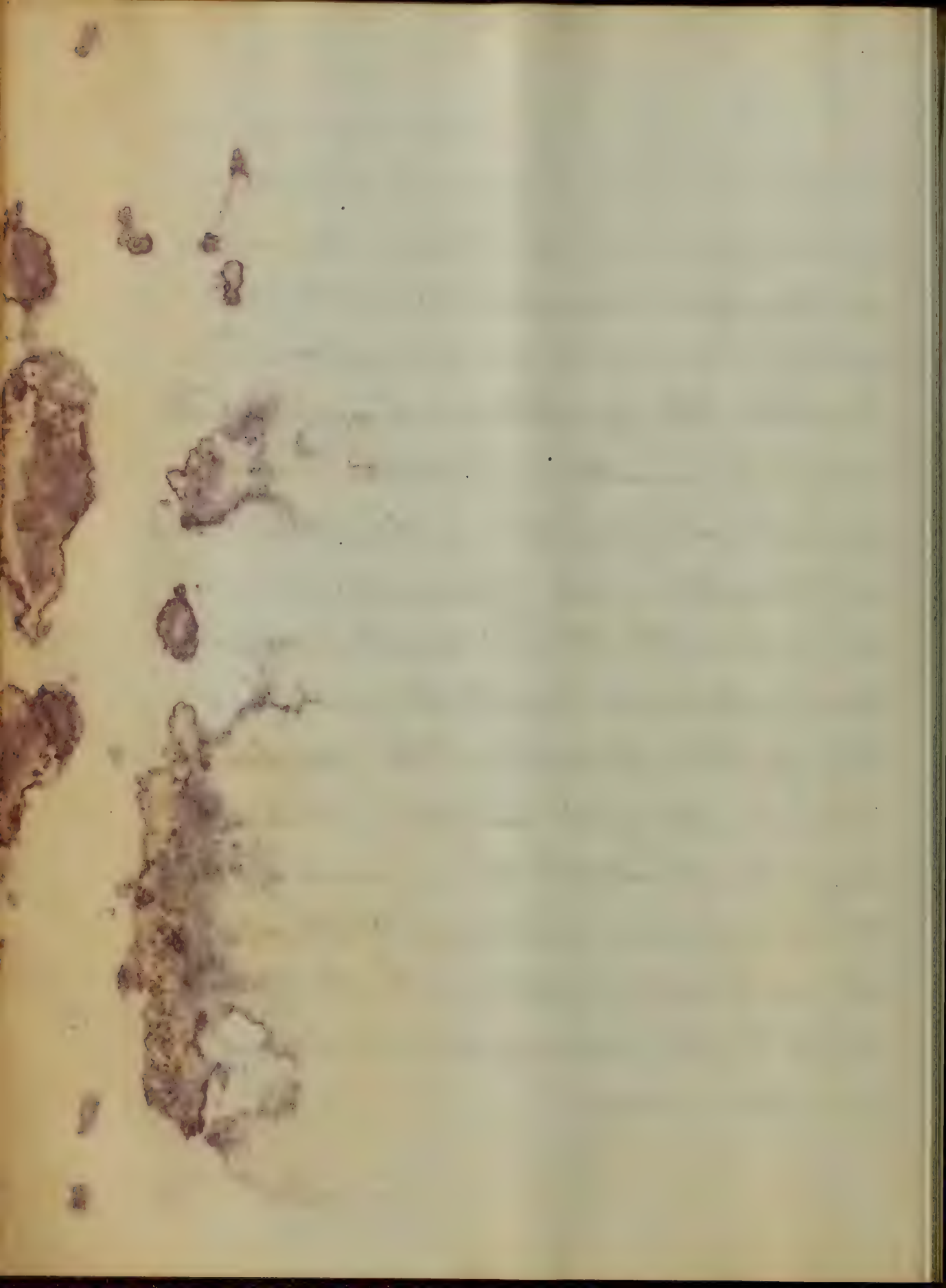
Clinical history. - Typhoid fever is seldom developed abruptly, the patient as a general rule feeling, badly, for a considerable period previous to the actual manifestation of the disease. The time occupied in the development of the disease, is considered by some to be prodromic, by others, to be a stage of the disease, which latter theory, according to Hunt, is the most rational of the two. It is considered best, to divide the disease after the forming stage has past, into Septenary periods, the disease continuing over, two, three, four, five, six, & seven



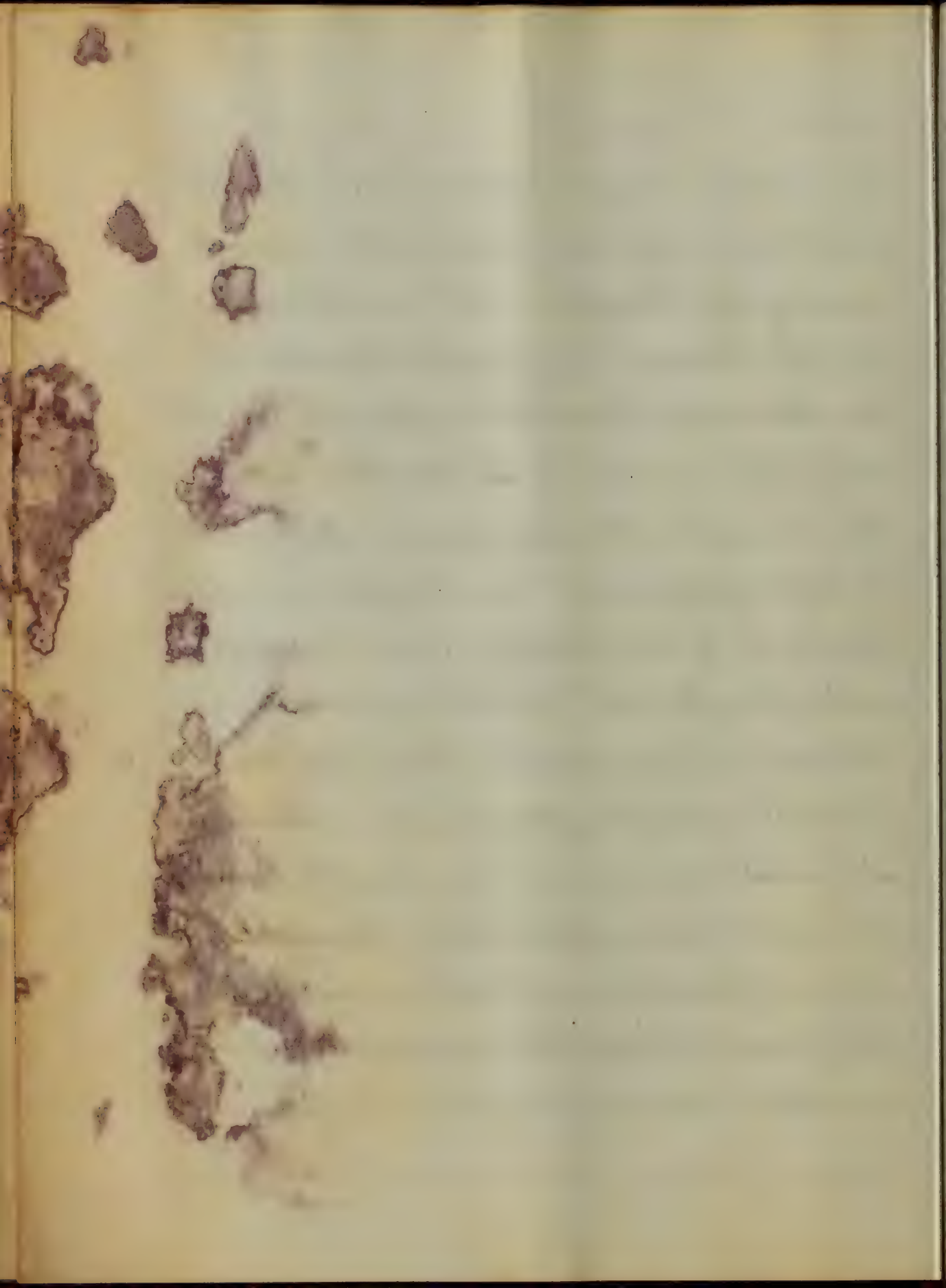
weeks. In a large proportion of cases, patients are unable to remember, the precise time that the disease, or its symptoms began. It is considered best by Dr Flint, to reckon the commencement of the disease, from the time the patient takes the bed, but this is not a correct criterion; as often the patients are not seen until the disease is fully developed. It is best therefore, to consider the disease as having commenced, upon the appearance of the first chill or chilly sensation. The symptoms to which our attention are particularly called, are a slight chill or chilly sensation, with increase of axillary temperature, a shallden,



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confined principally to the frontal
region, pain in the back & loins,
epistaxis & diarrhoea, besides the e-
ruption, which is however not always
present. The symptoms however, which
are of the most importance in di-
agnosis, are epistaxis & diarrhoea, which
are almost invariably present, especially
the latter. Dr. Flint makes the fol-
lowing division in the clinical his-
tory of this disease: 1st the symptoms
as presented by the countenance and
general aspect, 2^d the nervous system,
3^d the digestive system, 4th the skin, 5th
the respiratory system, 6th the circula-
tion, & 7th the urinary, which will be de-
scribed in order.

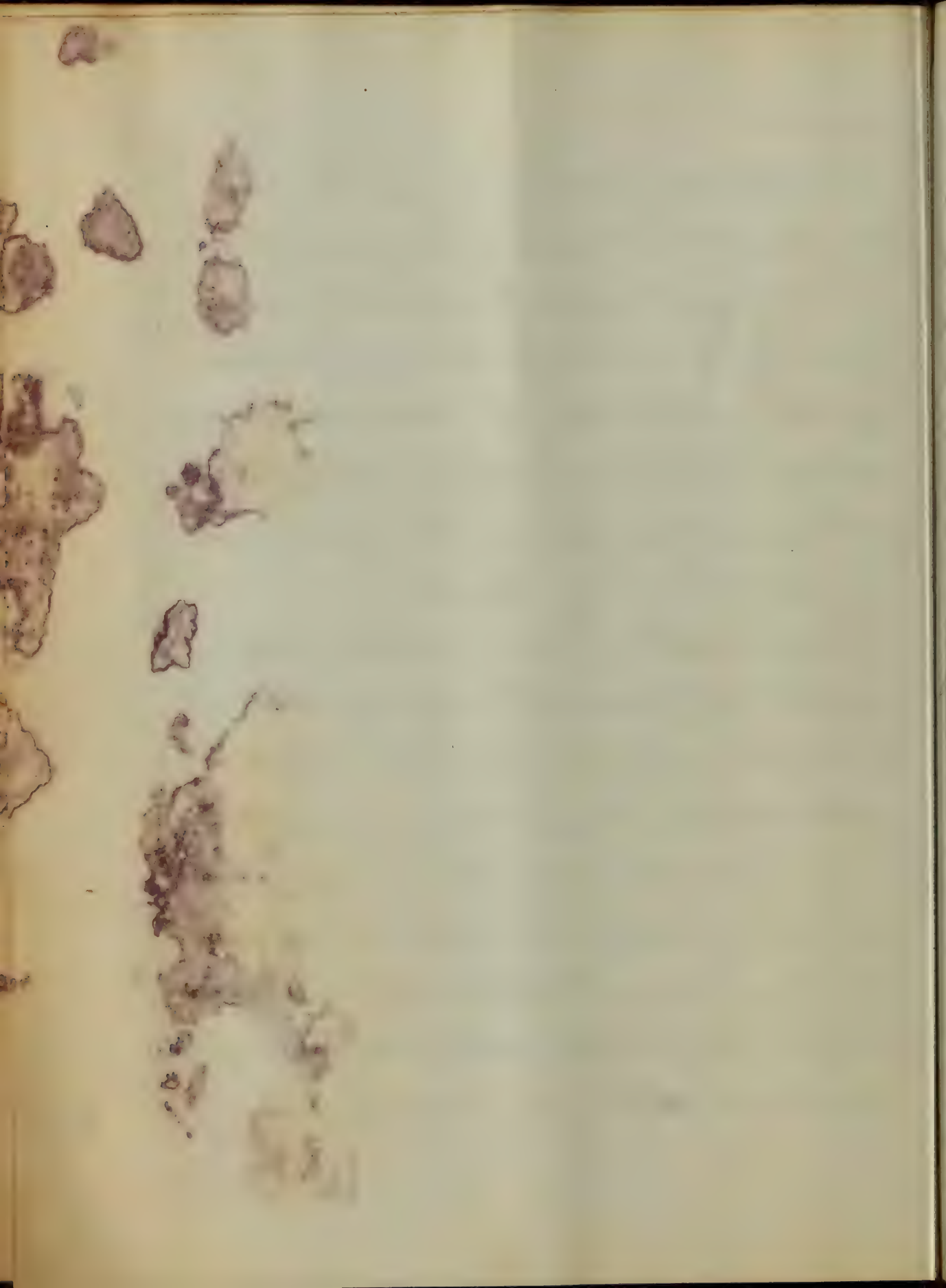


Countenance + general aspect. In the first stage of the disease, there is no manifest change in the countenance; as the disease progresses however, the countenance becomes suffused, and slightly reddened; still later on in the disease it assumed a dull and listless appearance, and often an appearance of stupidity; circumscribed redness upon the cheeks generally indicates pneumonia. Next to the face, the redness appears upon the hands and arms, and gradually becomes diffused over the whole body; disappearing on pressure and returning after the pressure has been removed. The constant occurrence of this redness

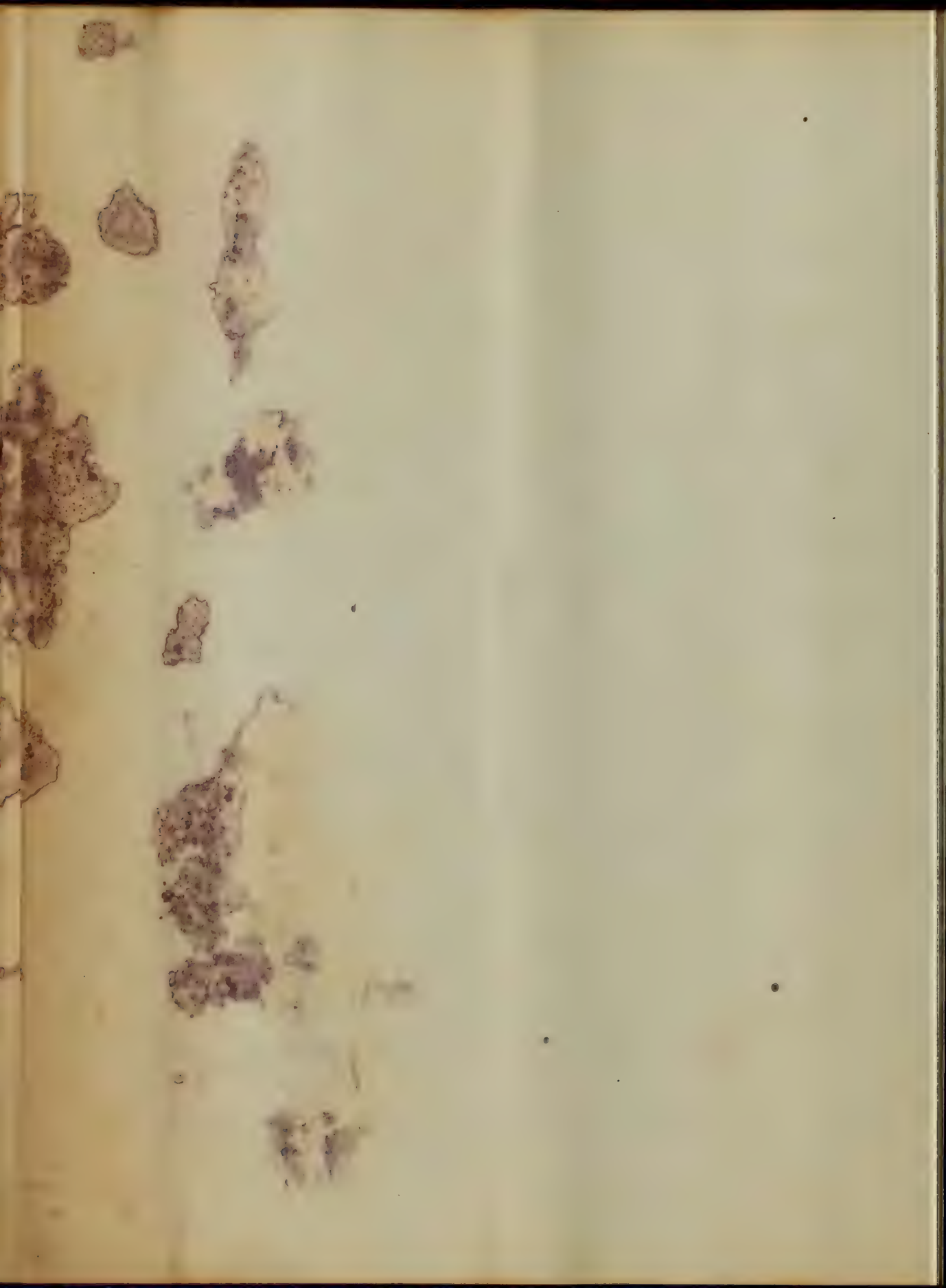


in a less degree than in typhus, is
evident that it has some patholog-
ical significance. It is rational to
consider it, as being due to paralysis;
affecting, through the vaso motor ner-
ves the peripheral arteries. Slight
redness + congestion of the conjunctiva
is sometimes marked.

Chronic system. Pain in the head is
more or less prominent, as a symptom
of the disease, but not so intense as
that which always accompanies acute
meningitis. The cephalalgia appears
generally about the second week, some-
times during the first week, and some-
times even at the commencement of
the disease. Delirium is also prominent.



in some cases, appearing about the
 third week, and is generally of the
 passive or muttering character. Pa-
 tients sometimes become restless, ri-
 sing from their beds and sometimes
 succeeding in getting on their clothes.
 They will generally however, suffer them-
 selves to be quietly led back to bed a-
 gain. They are often subject to delusions
 imagining themselves in some instan-
 ce, to be immensely rich, but these de-
 lusions are rare. Patients are coherent
 but not rational; when questioned, they
 will give unreliable answers so that
 nothing can be judged of their condi-
 tion by what they say. When the delirium
 assumed the low muttering form, the mutterings



generally have relation to their
various pursuits &c. There are some oth-
er forms of mental disorder, which
claim notice. The patients in some
severe cases relapse into an apathetic
state, manifesting an utter indifference
to every thing around them; they will
not ask for water, though the tongue
may be dry & parched and the general
condition of the mouth indicative of thirst;
in fact the organism is thirsty, but the
mental perceptions have become so blun-
ted, that they can not appreciate the wants
of the system. I should state in pass-
ing however, that they will drink the
water with avidity, when offered them.
In some cases they will not eat therefor



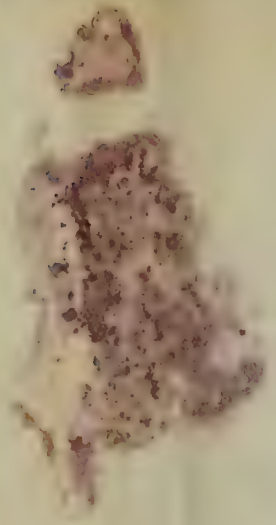
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it becomes necessary to feed them, by
 introducing the food into the mouth
 if possible, and if not, it should be ad-
 ministered per rectum; it being of the ut-
 most importance, to support the powers
 of life, until consciousness is declared.
 Should the latter event take place, the
 difficulty will be the other way, viz, to
 prevent the patient from taking ~~to much~~
 nourishment, this should be carefully guard-
 ed against. The patients in the more
 severe forms of the disease will not
 change their position in bed, & after
 the food and wind will be evacuated
 in bed unknown to the patient; this
 takes place not from paralysis of the
 sphincters, but from utter indifference



2-4

on the part of the patient. Other symptoms are, Carphologia or pulling at the body linen, or at the bed clothes, which symptoms, are indicative of great gravity of disease. Patients sometimes lie in a pseudo-somnolent state, from which they may be aroused, but soon relapse into their former condition. To this condition has been applied the term coma-vigil. In regard to the delirium, this sometimes assumes the low muttering form, at others the delirium is noisy and demonstrative; the two latter symptoms, like those previously spoken of, also indicate great gravity of disease. Convulsions and Coma sometimes occur; the coma vigil

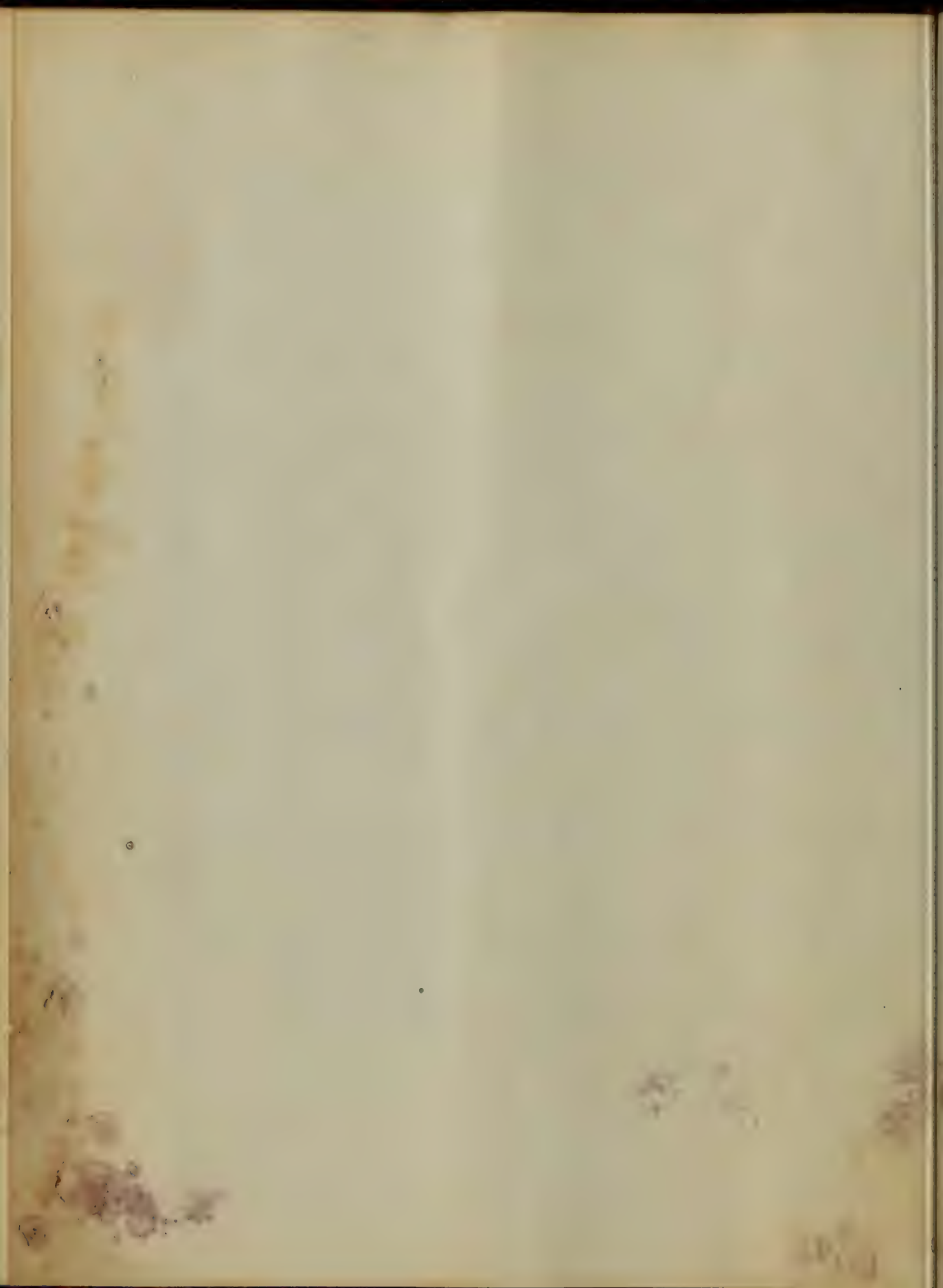


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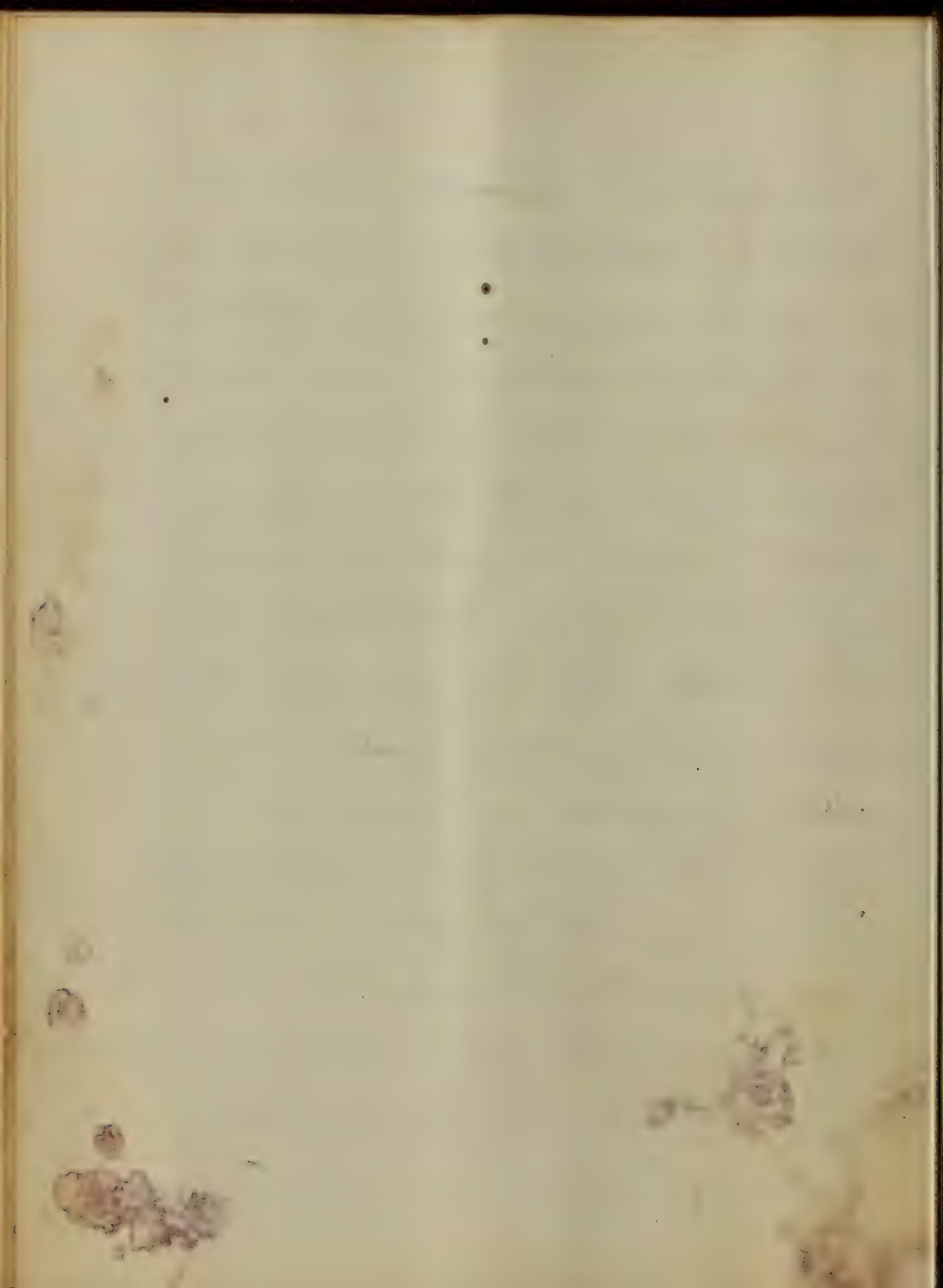
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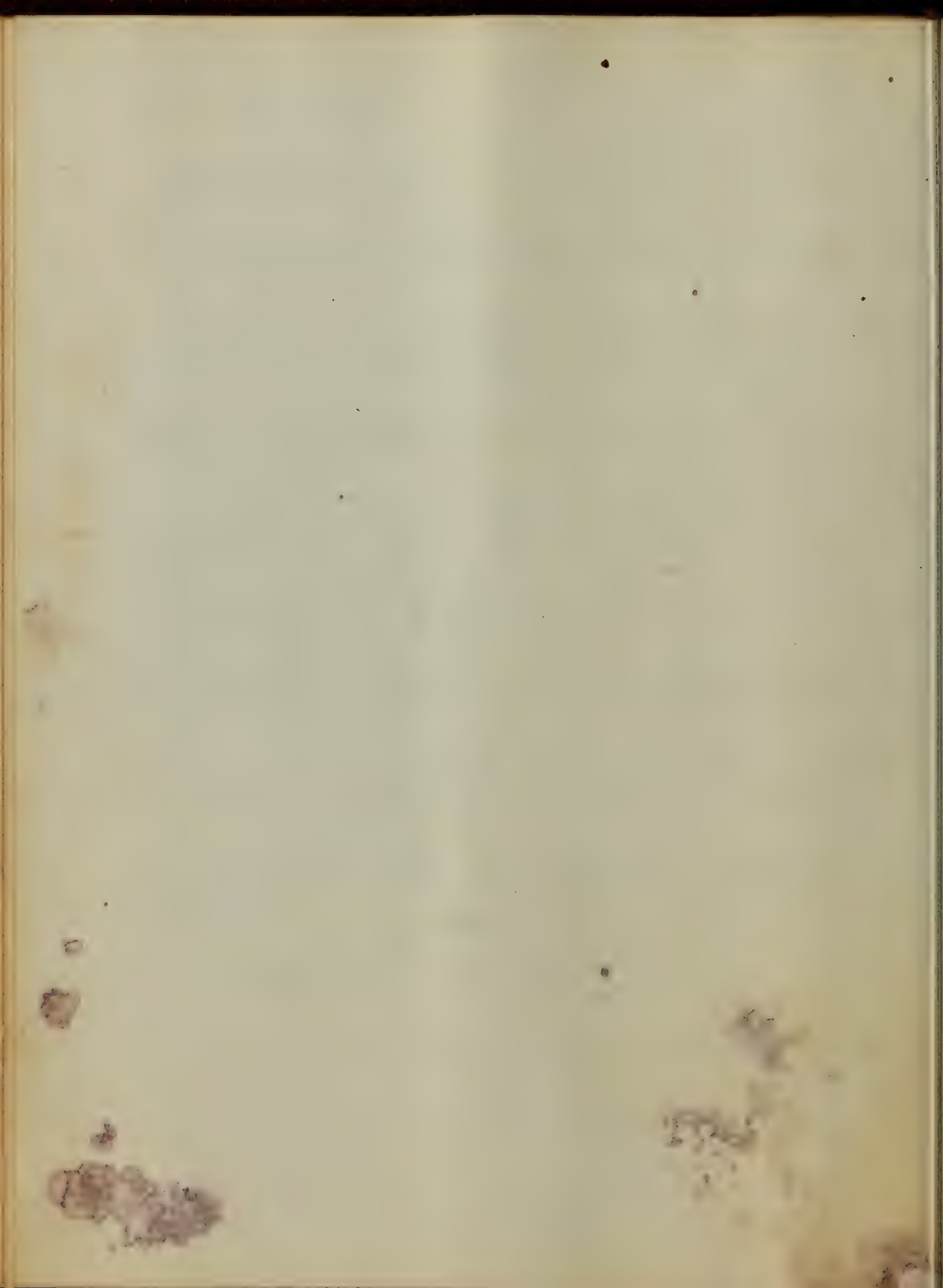
has no relation to time consumed. The
consumed and consumed ions, are gener-
ally due to mania. In these cases,
the amount of albumen in the urine
is increased. Parity, either trans-
ient or permanent is rare. Digestive
system. Anorexia is the rule; not
so much from disorder of the stom-
ach, as from, in the severe forms of
the disease, an utter indifference on
the part of the patient, as to whether
he eats or not. This condition of thin-
g, being brought about, by the dulness
of the mental perception, preventing the
patient, from appreciating the wants
of his organism.



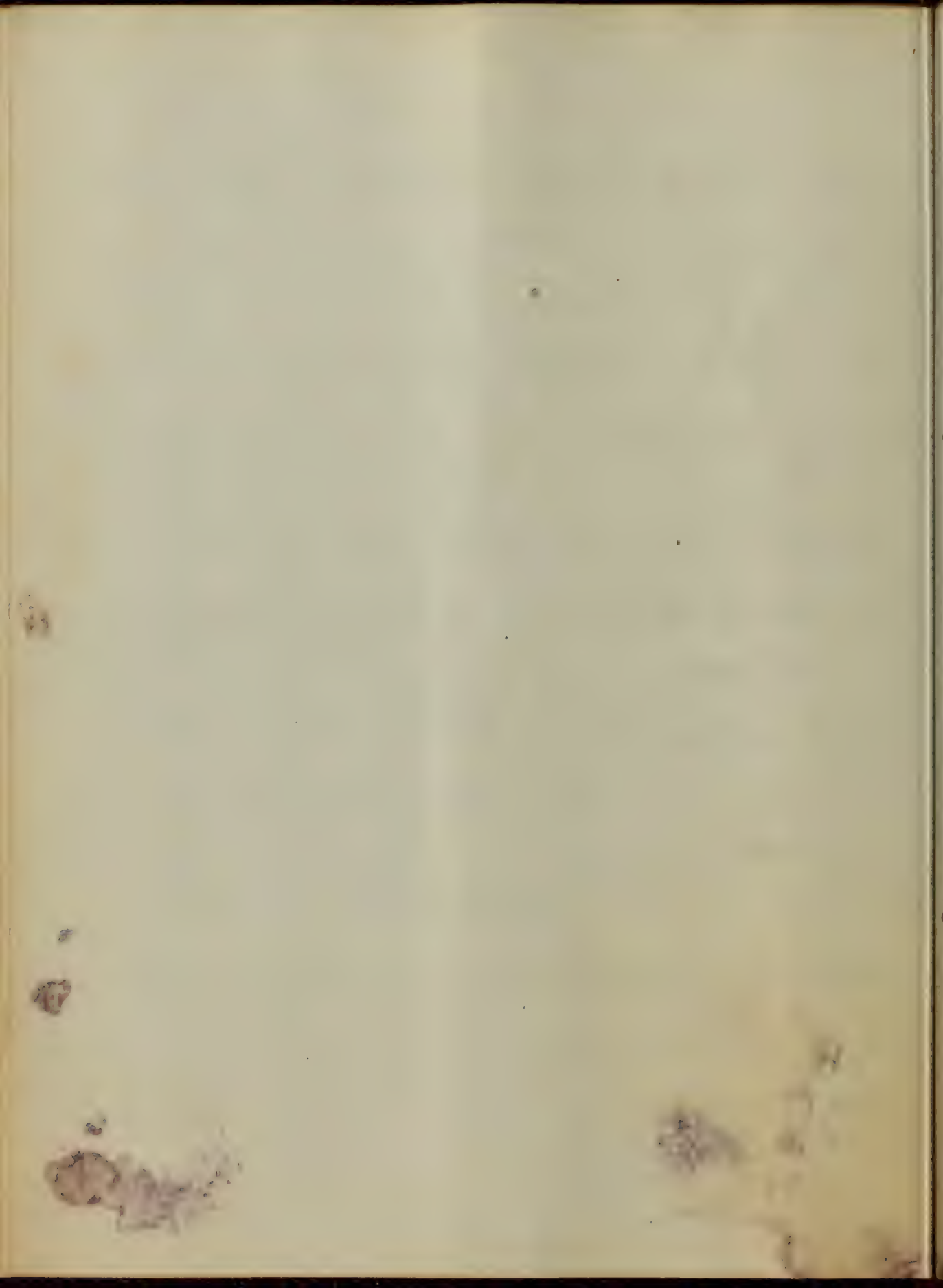
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The tongue also presents certain characteristics, which are of importance in the clinical history of this disease. It is often dry and parched, and covered with a white, yellow, and even a black coating, this coating of the tongue varies much in degree, sometimes presenting only a ferned appearance, at others heavily coated. The different colors presented by these various coatings have no diagnostic significance, as indicating mildness or gravity of the disease. These coatings frequently disappear and reappear again at intervals, when the deposit disappears, leaving the tongue clean, shining and moist, it may be called



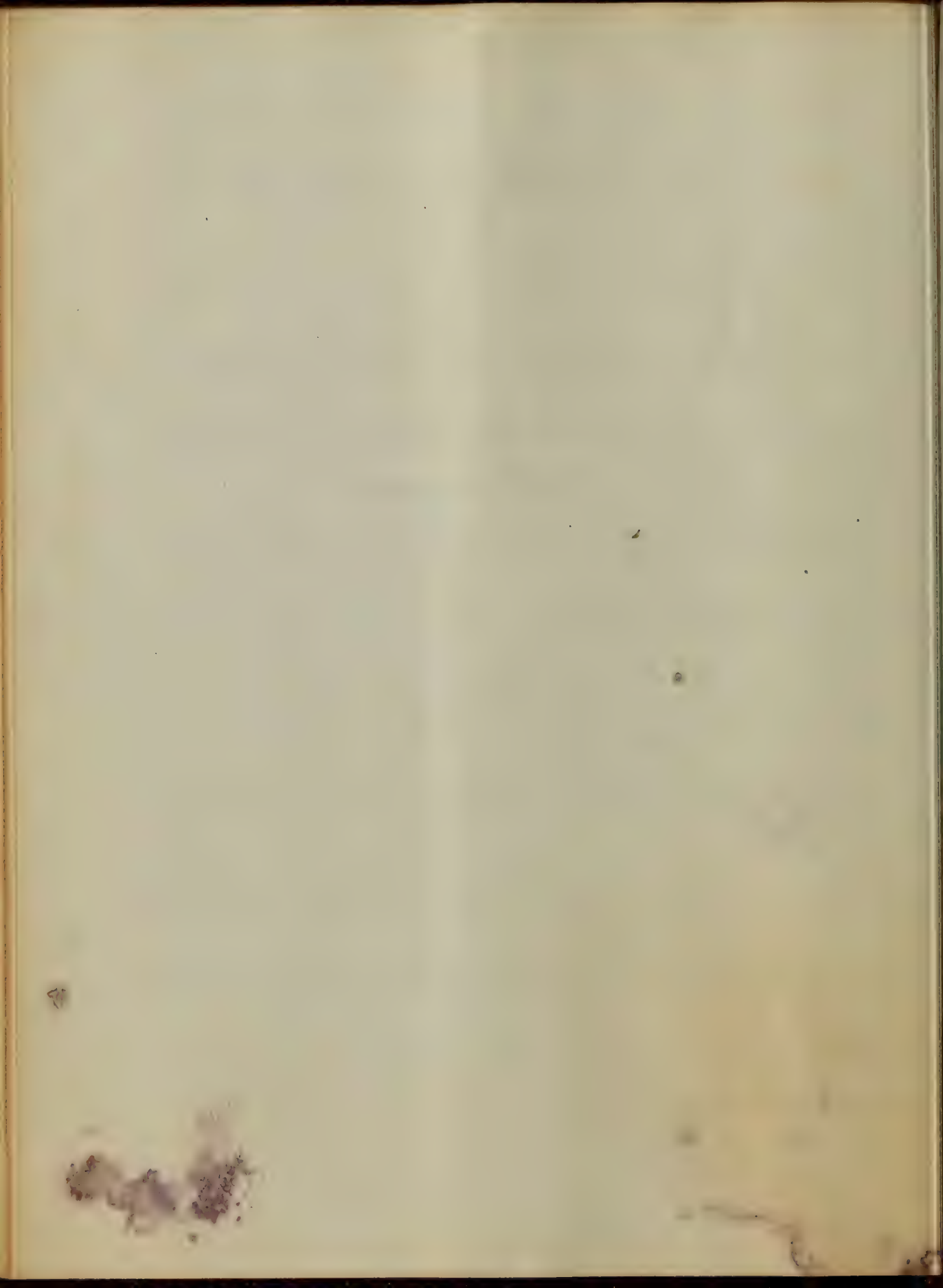
upon at indicating corvalescence. In
 some more cases, there may be noticed
 a tremulousness of the tongue, somewhat re-
 sembling that of delirium tremens; this
 generally precedes various atonic symptoms.
 It is sometimes protruded with appa-
 rent difficulty, and after being protruded
 is supposed to remain so; apparently, however
 forgetful of it. Sometimes also becomes
 dry hard & fissured, at others, reddened & shi-
 ning. This dry and hard condition occurring
 in comae rigid^{is}, owing to the patient's lying
 with his mouth open. A deposit on the
 teeth a so-called ^{sometimes} appears in this disease;
 the gums become soft and tender, and
 in some cases hemorrhage takes place



from this situation. The parotid glands
 also, become considerably enlarged, pre-
 senting the appearance of mumps, with
 this difference, that in typhoid fever sep-
 aration takes place thereby considerable
 retarding convalescence, while in mumps
 no such condition of things is brow-
 ght about. Vomiting is only of occasi-
 onal occurrence in typhoid fever, diarrhea
 is almost invariably present; which, with
 the ochre colored discharges, is one of the
 most striking and characteristic points
 in the diagnosis. The reaction is ab-
 sence. Constipation occasionally exists;
 involuntary discharges of urine sometimes
 take place, and paralysis of the sphincter

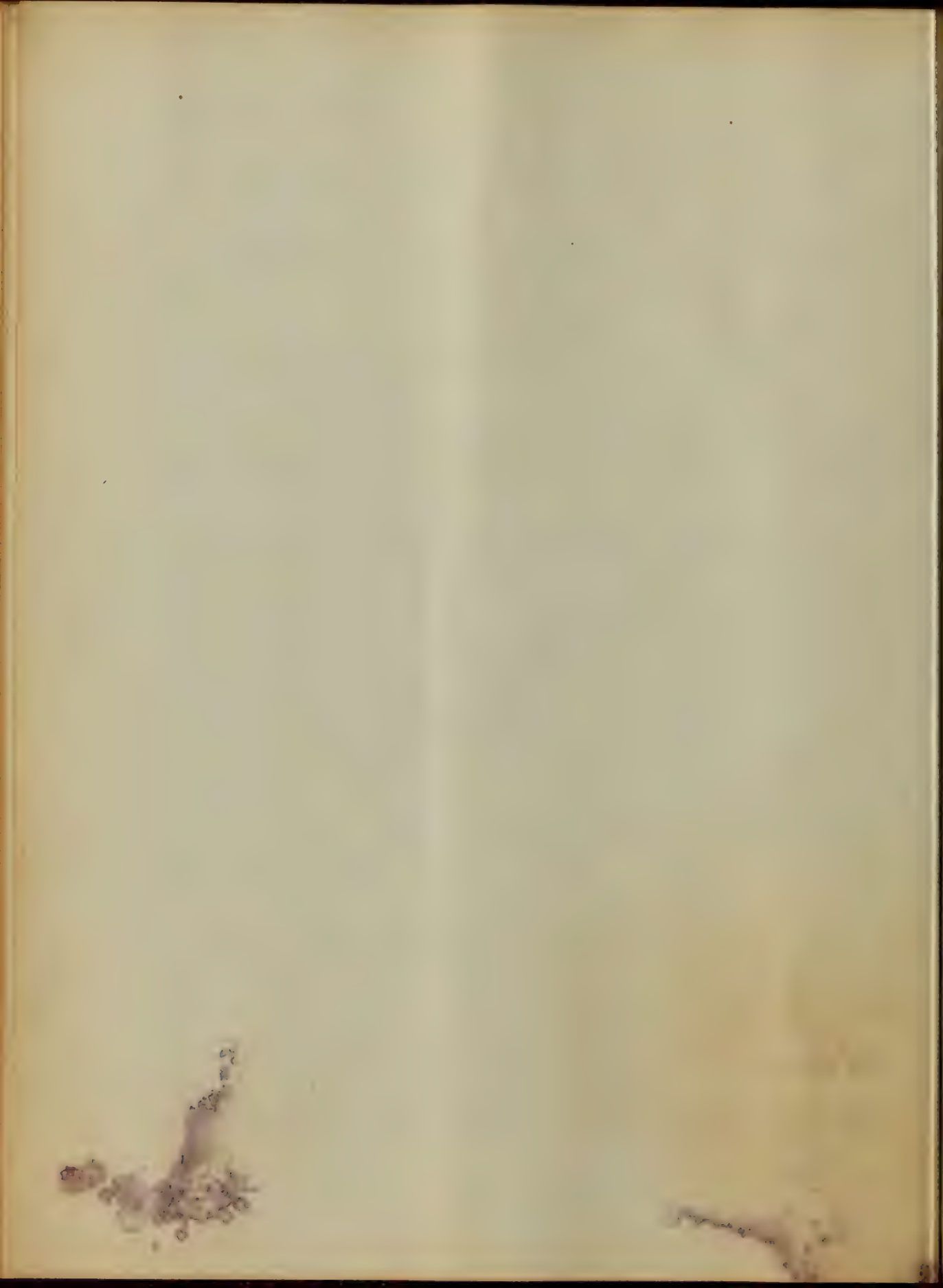


the and more. The morbid part
 the bowels takes place in a certain
 number of cases; the tendency in
 such cases is not to an inevitably fatal
 result, though death sometimes takes place
 a few days after. In regard to the
 abdominal symptoms; there is more
 or less rigidity of the muscles in that
 situation, with tenderness on pressure;
 sometimes however, on account of the
 mental condition of the patient, consid-
 erable pressure is required to produce pain.
 There is also tympanites, with consid-
 erable distention of the abdominal walls,
 and gurgling upon pressure, not only
 manifest to the ear, but as a tactile

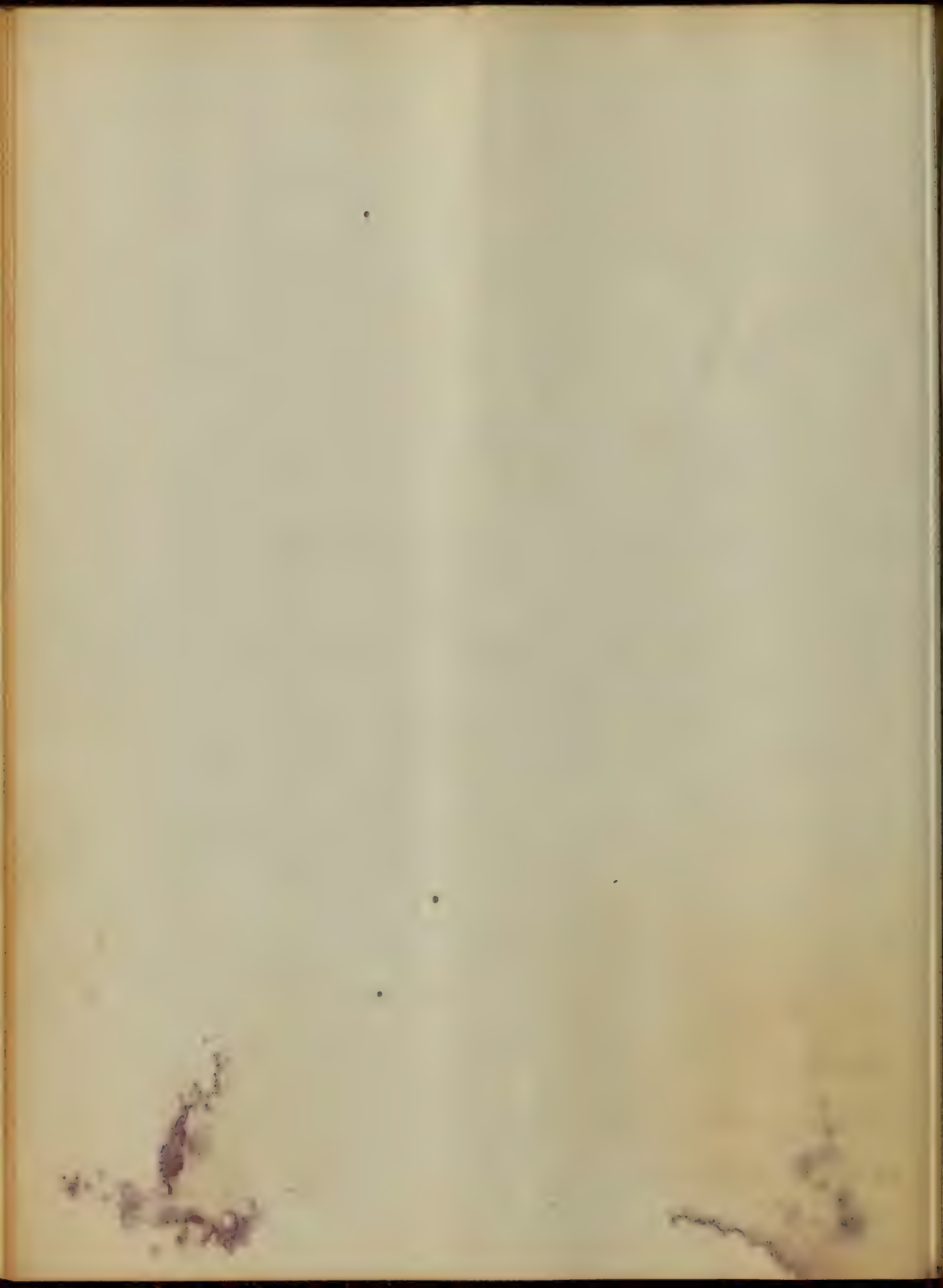


sensations. Perforation from ulceration
& sloughing, will almost inevitably
produce a lot of peritonitis, and in which
the recovery takes place, being those in
which there has been no perforation,
and in which, the inflammation was
of the adhesive character. Sometimes
the peritonitis is developed suddenly
by, in such cases the opening is gen-
erally large, admitting of the discharge
of a large amount of the intestinal con-
tents into the peritoneum. In other cases
the opening being small, produced
by the ulceration alone, suffers the inflam-
mation to be induced gradually.

Skin. The eruption dating from
the former stage, ^{appears} on the seventh or



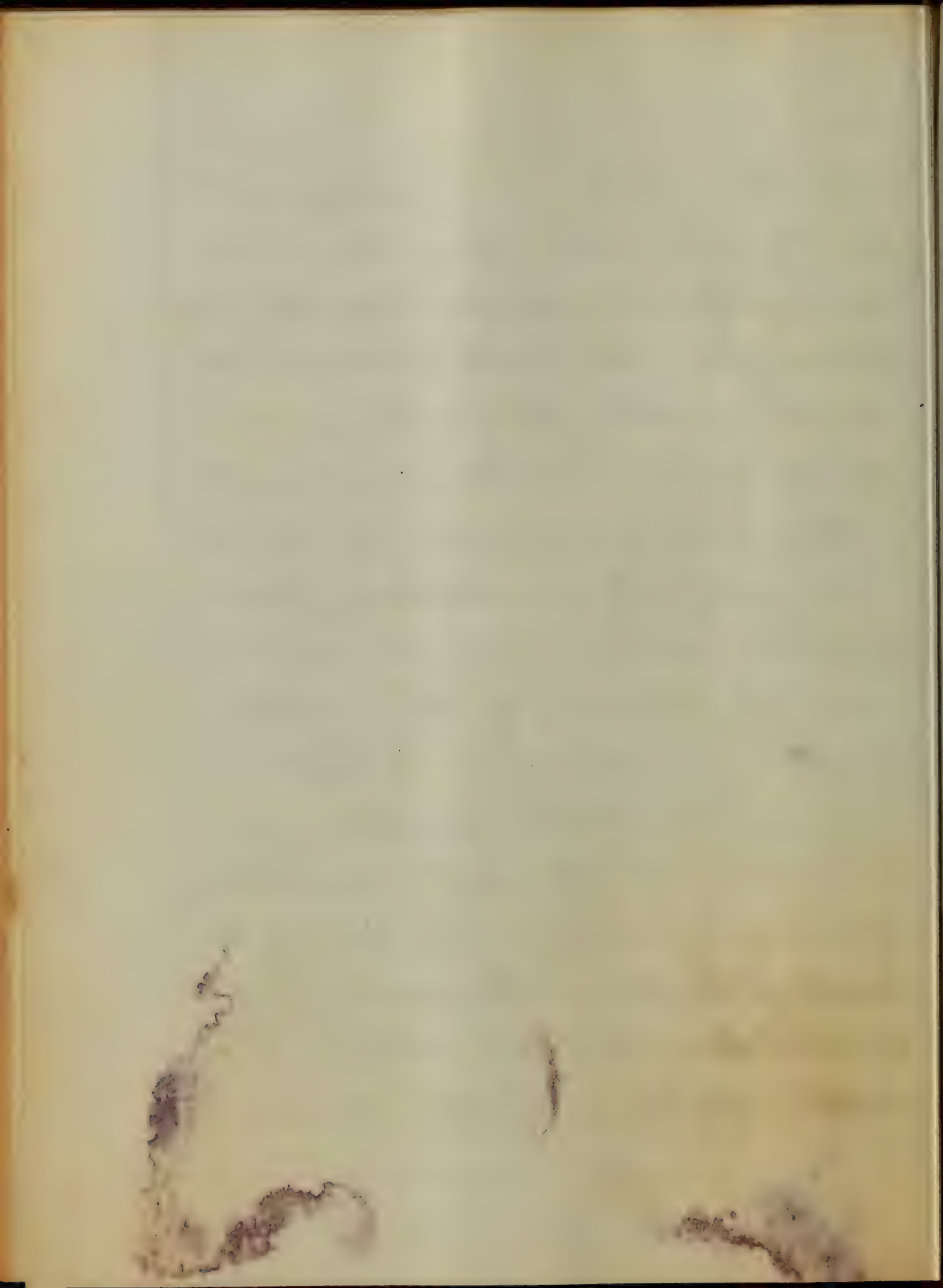
a quarter of a day, and from the time
 that the patient is confined to the
 bed, from the second to the sixth
 day. This eruption is characteristic
 of typhoid fever. It is of a pinkish
 or rose colored hue, and is raised percepti-
 bly above the surface, being therefore a
 papular eruption. These papules are
 according to our author lenticevolved or
 lens shaped. They momentarily dis-
 appear upon pressure and return when
 the pressure is removed. They are ge-
 nerally few in number, sometimes
 only four or five spots making
 their appearance; they are not however always
 present, and are not reliable in marking
 the disease. The disease however should not
 be excluded on account of their non existence. In



most cases these spots number ten-
ty one or two, and are generally found
upon the chest and abdomen, and
sometimes, on the back immediately
behind the abdomen. Occasionally;
they are diffused over the lower extrem-
ities. Purple colored spots or petichae
sometimes make their appearance
but are not significant. Large purple
ish spots, from three to eight lines
in diameter and of irregular out-
line appear in some cases, these also
have no significance, as regards
intensity or gravity of disease. Sudam-
ina are observed in some cases, and
are regarded by Luis, to be of Con-

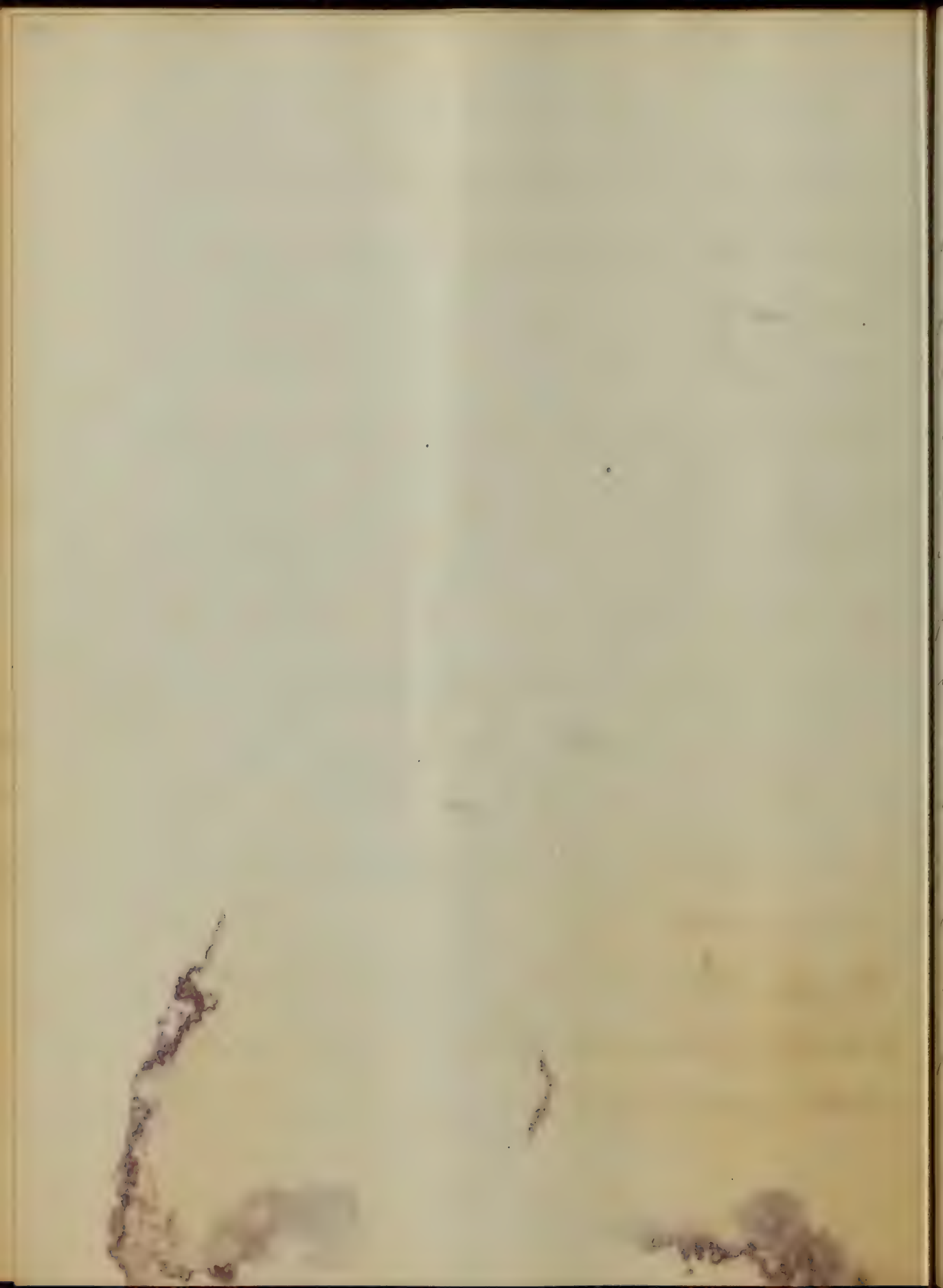


Sidable importance in a diagnostic
 point of view; this theory however is
 considered to be erroneous, as they often
 appear upon the neck chest and ab-
 domen in other diseases, and persons,
 which there has been much perspi-
 ration; and if my memory does
 not rightly they occasionally occur
 in hard working men; in whom
 from the character of their employ-
 ment the perspiration is kept up
 nearly constantly. The eruption is
 not apparent after death, neither is
 it always present in life, during the
 course of the disease. It occurs oftener
 in children than in adults. perspi-
 ration is frequently abundant, and

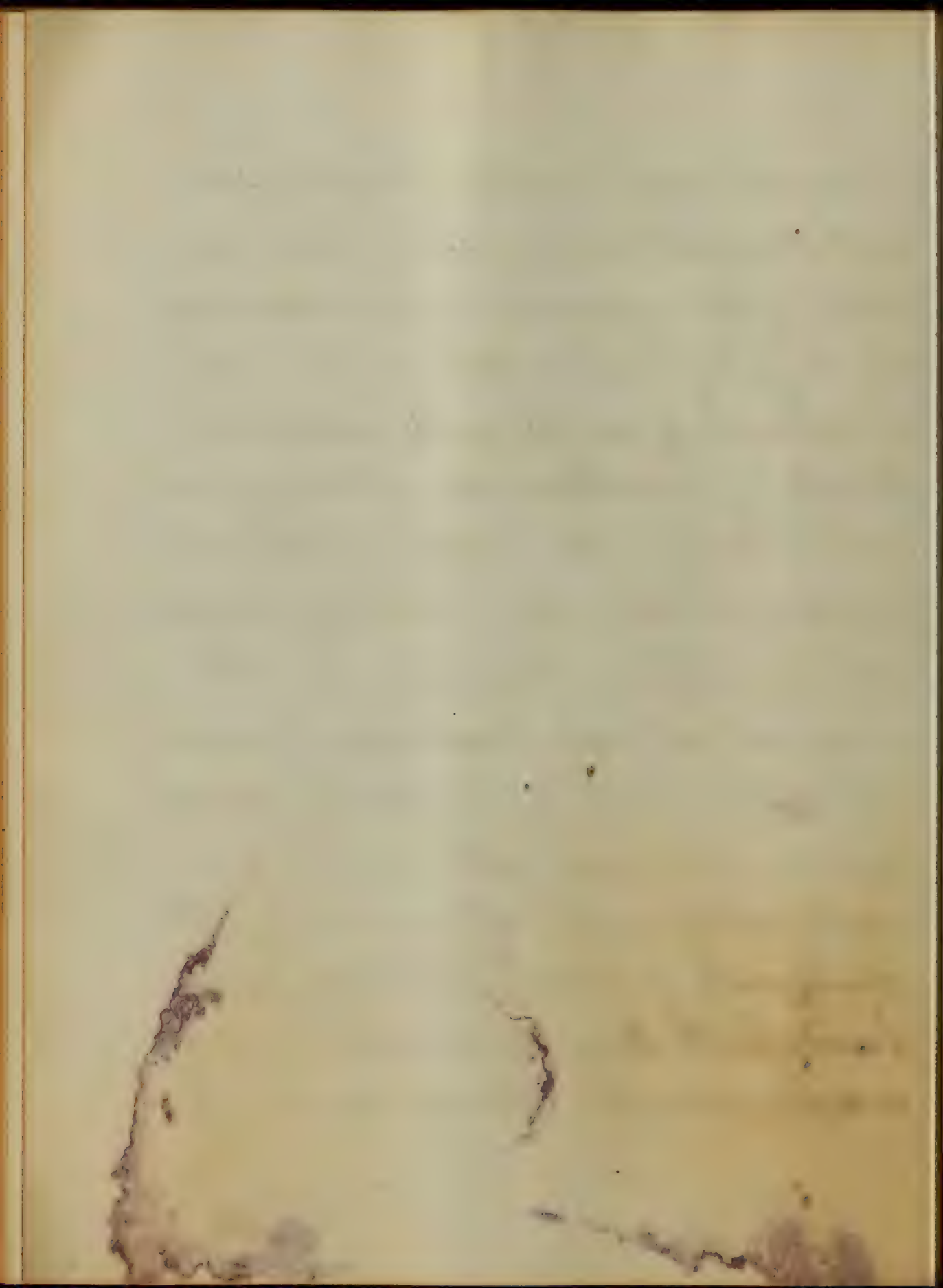


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is present irrespective of the case in
which it occurs in approaching con-
science, or approaching death. Obser-
vation had shown no connection be-
tween this perspiration, and antecedent
sweats. Gangrene is apt to occur in
those parts most exposed to pressure;
spontaneous gangrene sometimes
occurs, from arterial thrombosis in
all probability. Bed sores are apt to occur
upon the nates, hips &c; this may
be obviated by frequent turning in
pillows etc.

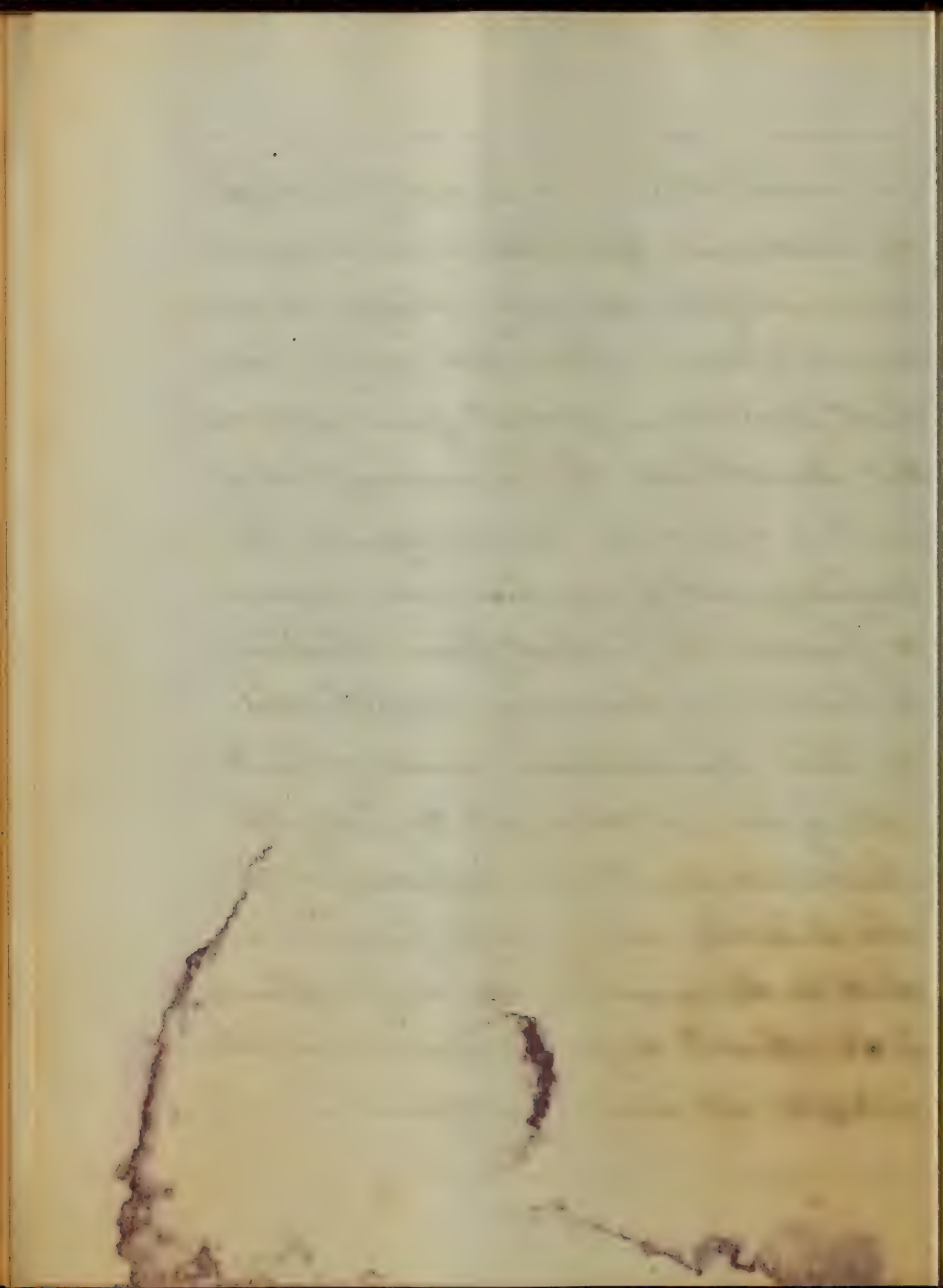
Respiratory system. Cough is not
always prominent as a symptom,
but more or less slight cough, is



most always present; indicating sub-
 acute bronchitis, & in some cases, con-
 gestion of the mucous membrane of
 the lungs. ^Pneumonitis is generally
 indicated by cough and accelerated
 breathing; but these are not always sa-
 re criteria, & the existence of this com-
 plication is better determined by the phys-
 ical signs. Frequent sighing in the
 advanced stages of the disease is gener-
 ally a symptom of great gravity; jerking
 & spasmodic respiration when un-
 complicated, is almost invariably path-
 ognomonic of coma, which generally
 proves fatal. Convulsions and coma
 occurring in this disease, & well as

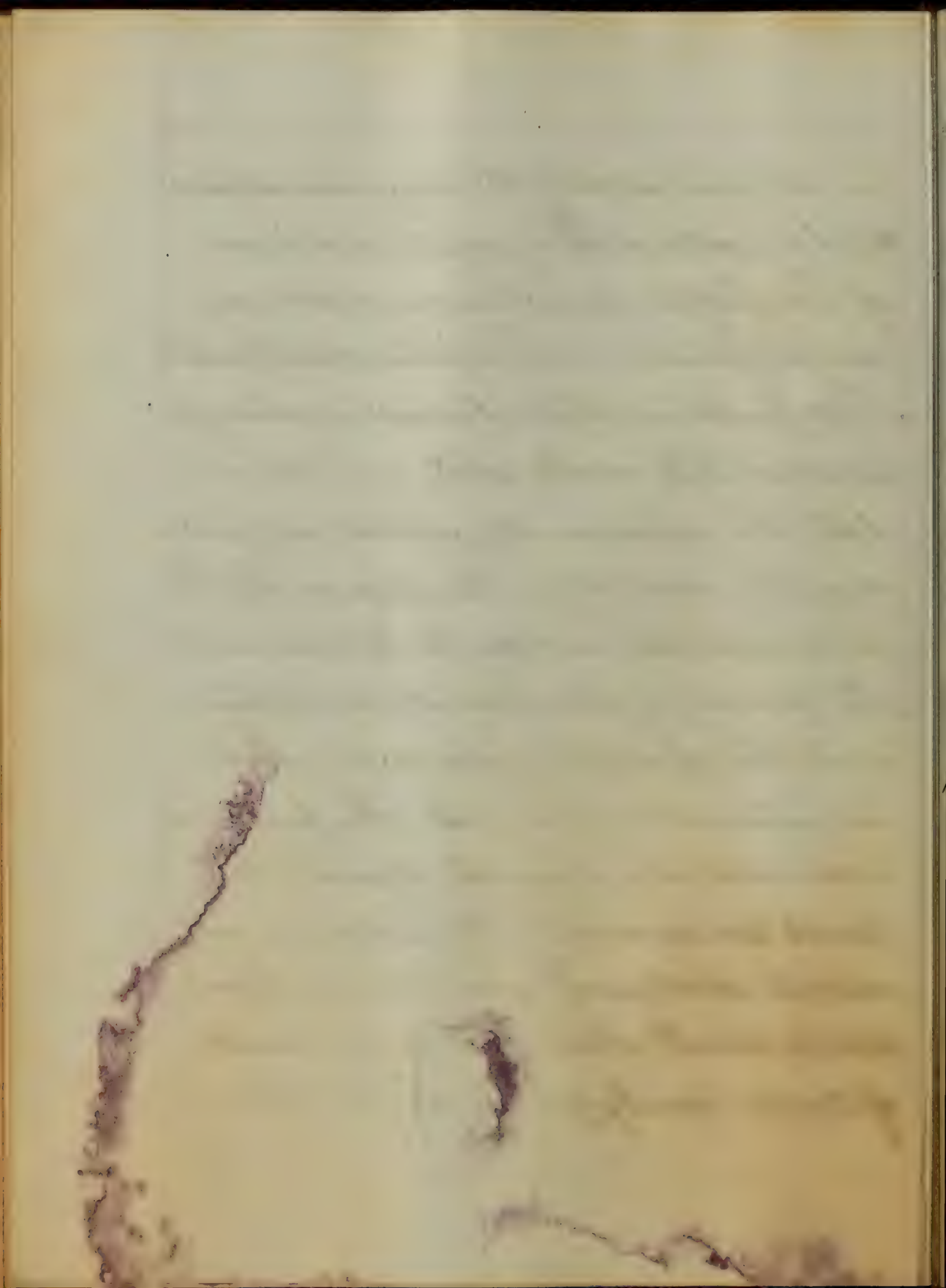


in some others, is probably produced
 by warmth. Epistaxis is a symp-
 tom in the forming stage, it some-
 times occurs after that stage has
 past, and is in general of no moment.
 But sometimes the hemorrhage is of
 such a character, as to require the
 employment of mechanical means
 to prevent the patient from bleeding
 to death, & of becoming so depressed,
 by this spontaneous mode of blood-
 letting, as not to be able to rally. The
 epistaxis exerts no influence upon
 the disease, as regards prognosis;
 that is the mere occurrence of it. Should
 it be allowed to go on unchecked, the
 results as above mentioned would

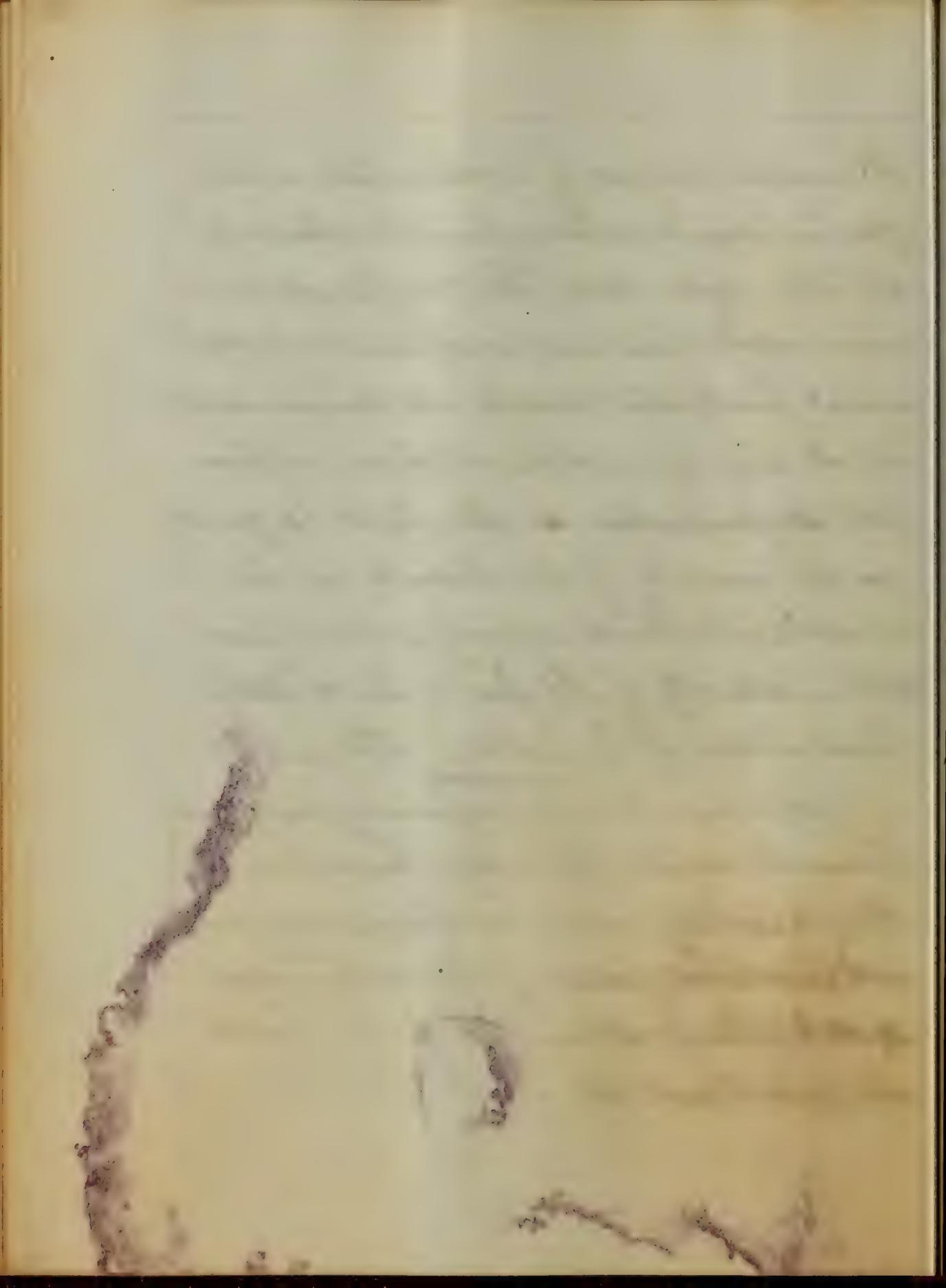


in all probability to very disastrous
to the patient. ~~Pharyngitis~~ + oedema
of the glottis, sometimes occur as
complications. - Circulation + temperature.

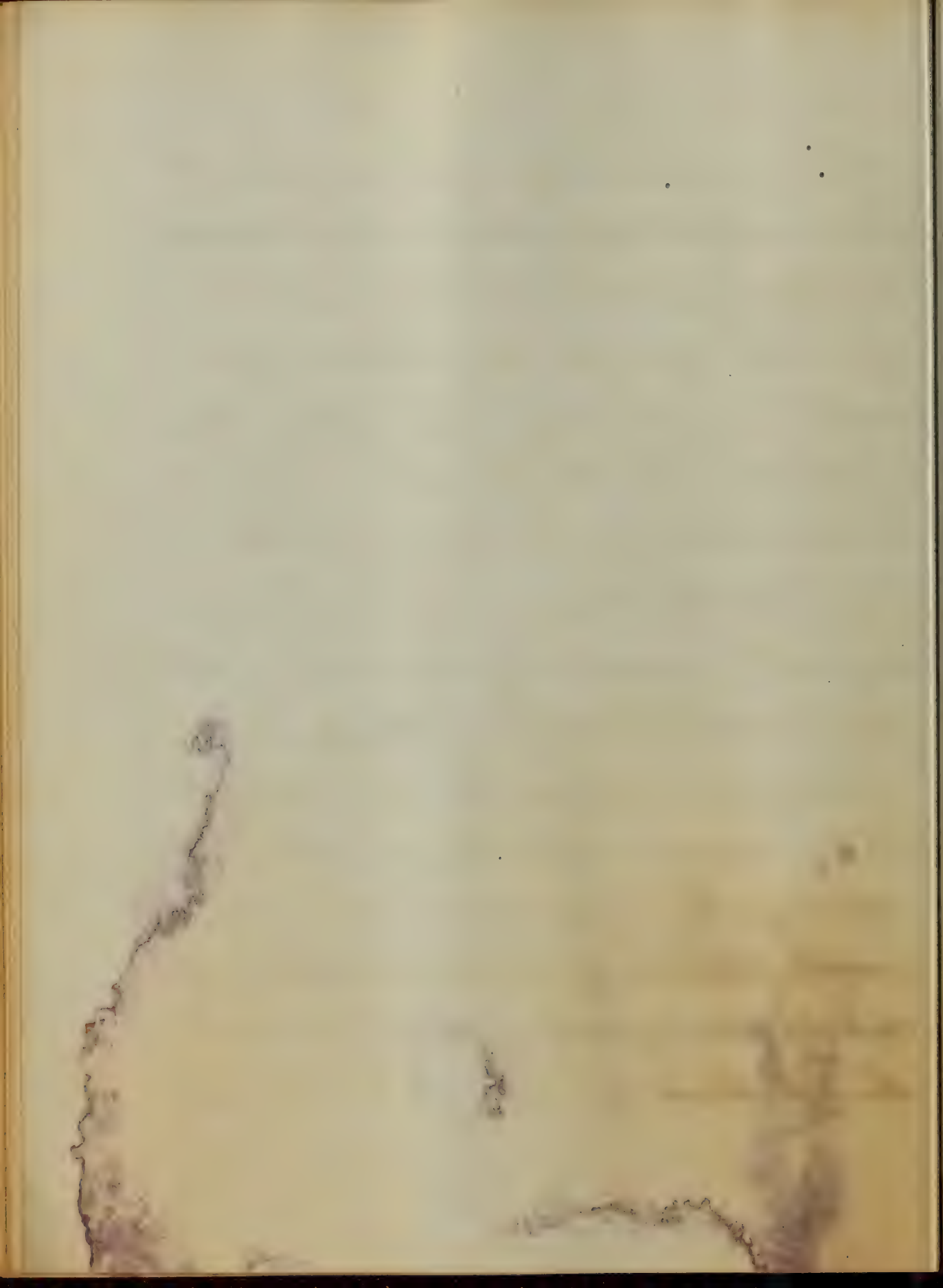
The pulse in this disease is always
more or less accelerated, and it is in-
deed the criterion, by which we judge
of the severity of the disease. If the
pulse reaches 120 beats per minute,
the gravity of the disease is extreme;
and the danger increased in a
proportionate ratio, as the pulse is
accelerated & increased beyond this
point. Occasionally, the pulse is not
much above, and sometimes below
the normal standard. Of a number
of cases analyzed by Prof. A. Flint:



the mean degree of acceleration, was
 93. in some others, from 60 down to
 40. The rule that the temperature is
 increased had no exceptions; but in
 some particular cases, the temperature
 is as low, if not lower than in hea-
 lth. In proportion as the heat is great,
 so the gravity of the disease is in-
 creased, but death rarely occurs from
 the intensity of the fever per se. Other
 peculiarities of the pulse. The pulse
 in proportion to its ^{increased} frequency, sometimes
 becomes weak, thready & compressi-
 ble, denoting increased frequency, with-
 out increased power of the ventricular
 system. The first sound of the heart
 as heard over the apex, is consider-



ably reduced, and sometimes almost imperceptible. Sudden rise of temperature almost always denotes the approach of some serious complication, such as pneumonia, pleuritis etc. The temperature is subject to exacerbations; if the temperature is found to be diminished in the morning, and increased in the evening the prognosis will be favorable; if on the contrary, the temperature is increased in the morning and diminished in the evening the prognosis will be unfavorable; that is, if this is habitually the case; occurring only once or twice, I do not think it could be looked upon

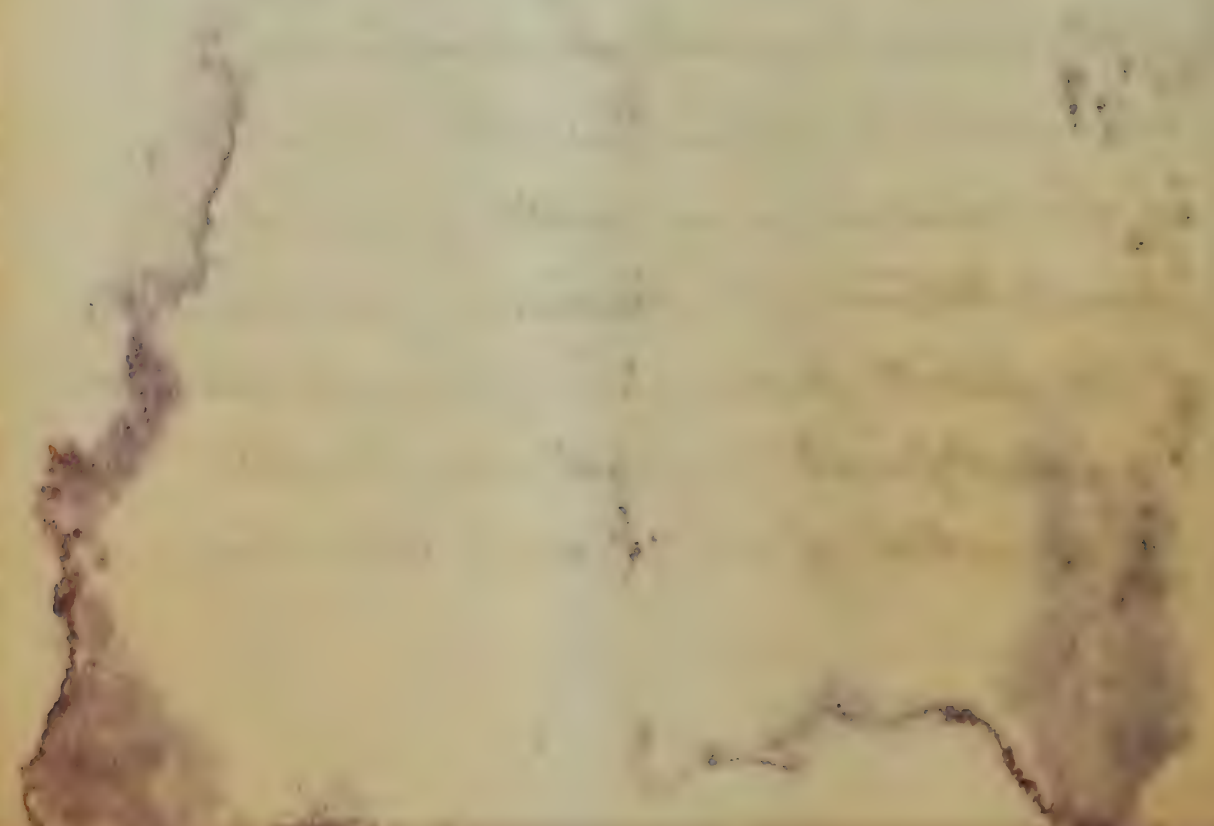


at a symptom of very great moment.
 If however, there is a considerable and
 habitual increase of the temperature in
 the morning, and that in the evening,
 a fatal termination may be looked
 for. Urine. - In the early stages of
 this disease, the amount of urea and
 uric acid is more or less increased in
 the urine and is also the coloring matter.
 The urine is also in some cases scanty &
 high colored, albumin is also found in
 the urine in some cases, which if it
 exist in any considerable amount, is
 rather an unfavorable symptom. As
 the disease progresses toward a favorable
 termination the urine is gradually restored

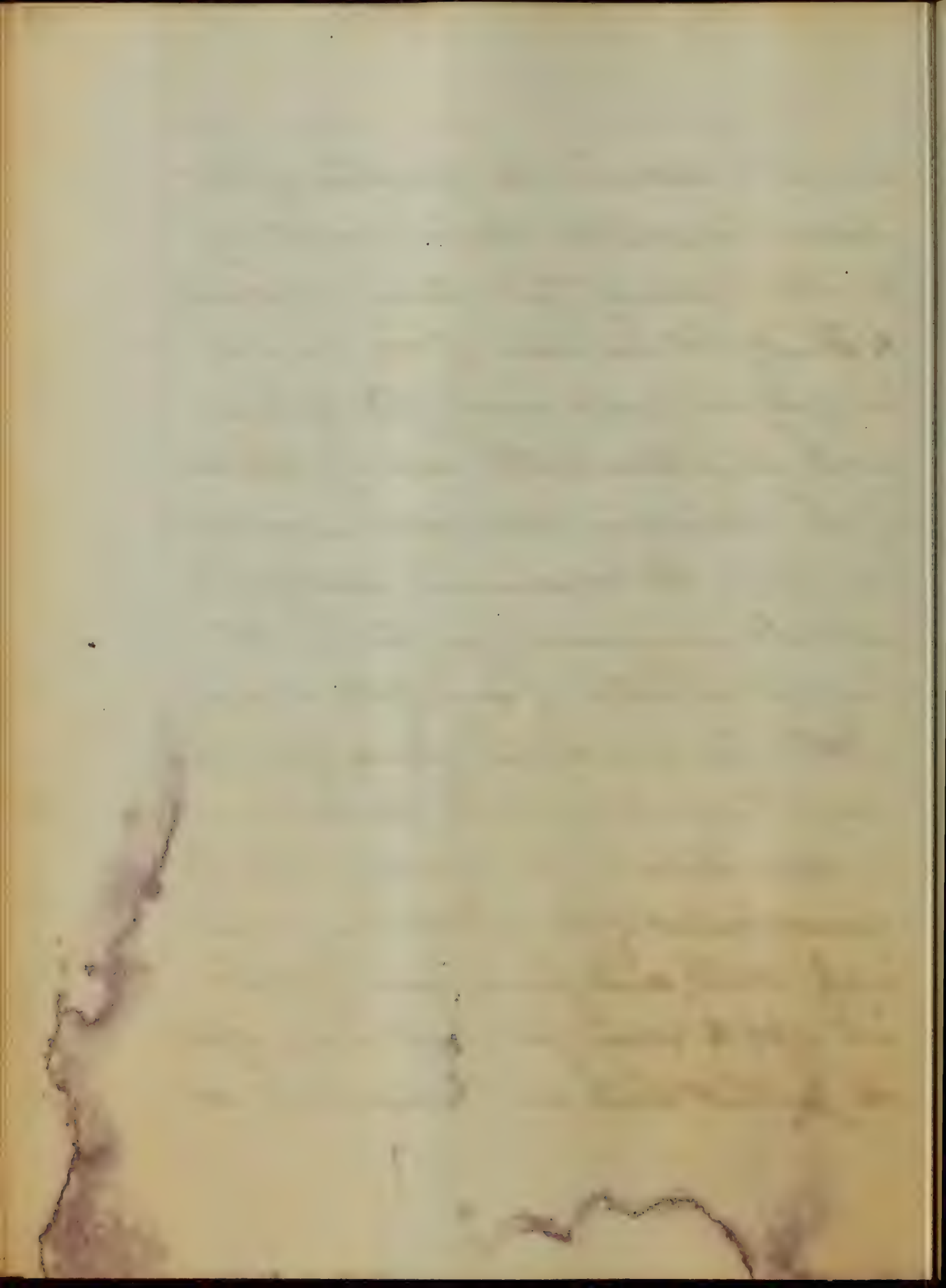


to its normal condition. Albumin in the urine, is considered by Abbeille, to be due in part to active congestion of the kidneys, and in part to a morbid condition of the blood. If the urea be deficient, which is sometimes the case, uraemic coma may be apprehended. If renal casts are found in the urine, renal disease existing either before, or during the progress of the disease may be suspected. In order to determine the duration of the disease, it is better to select the period between the beginning and end of the febrile paroxysm; of course there is no definite or fixed day for the termination of the disease. According

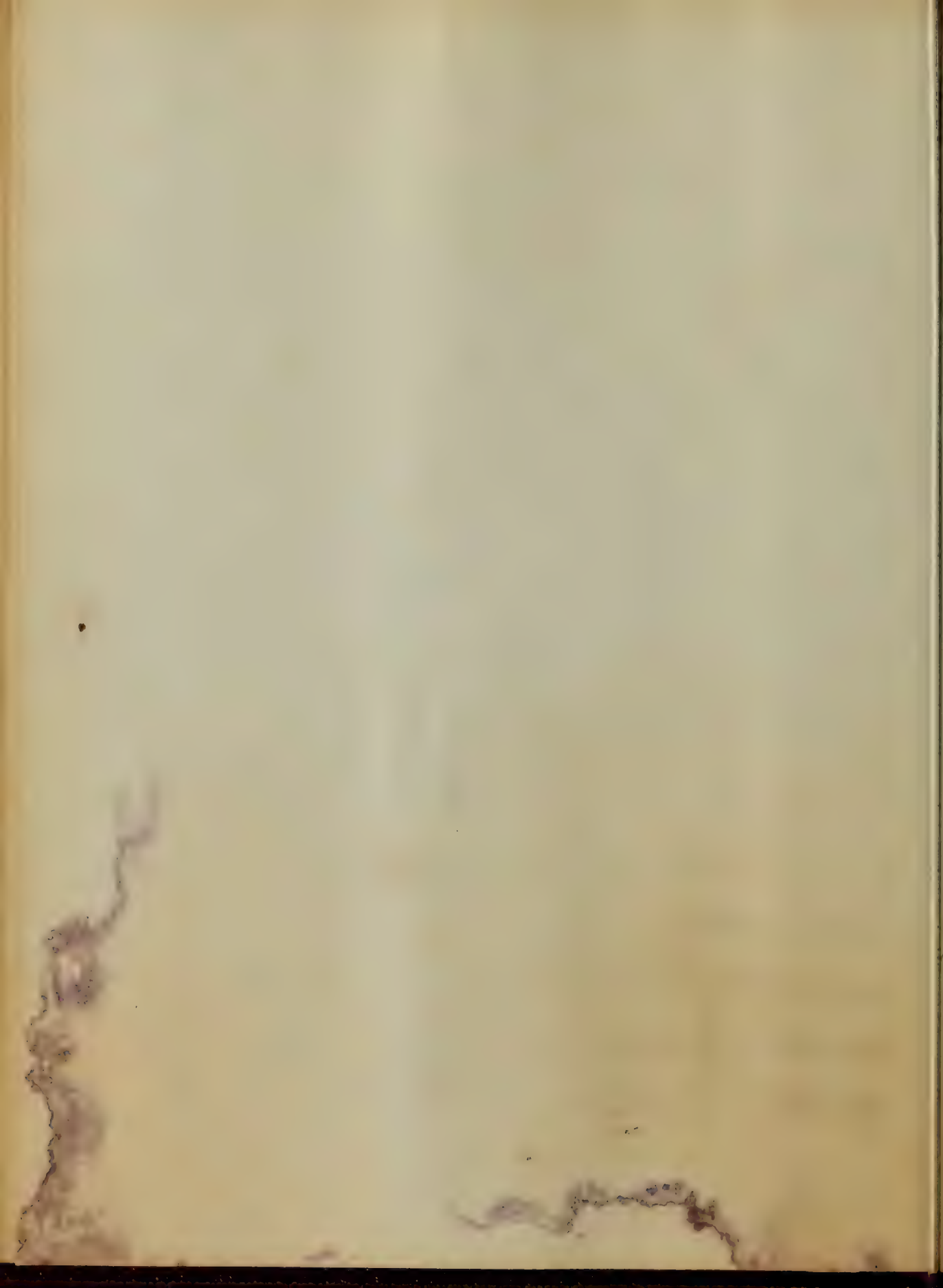
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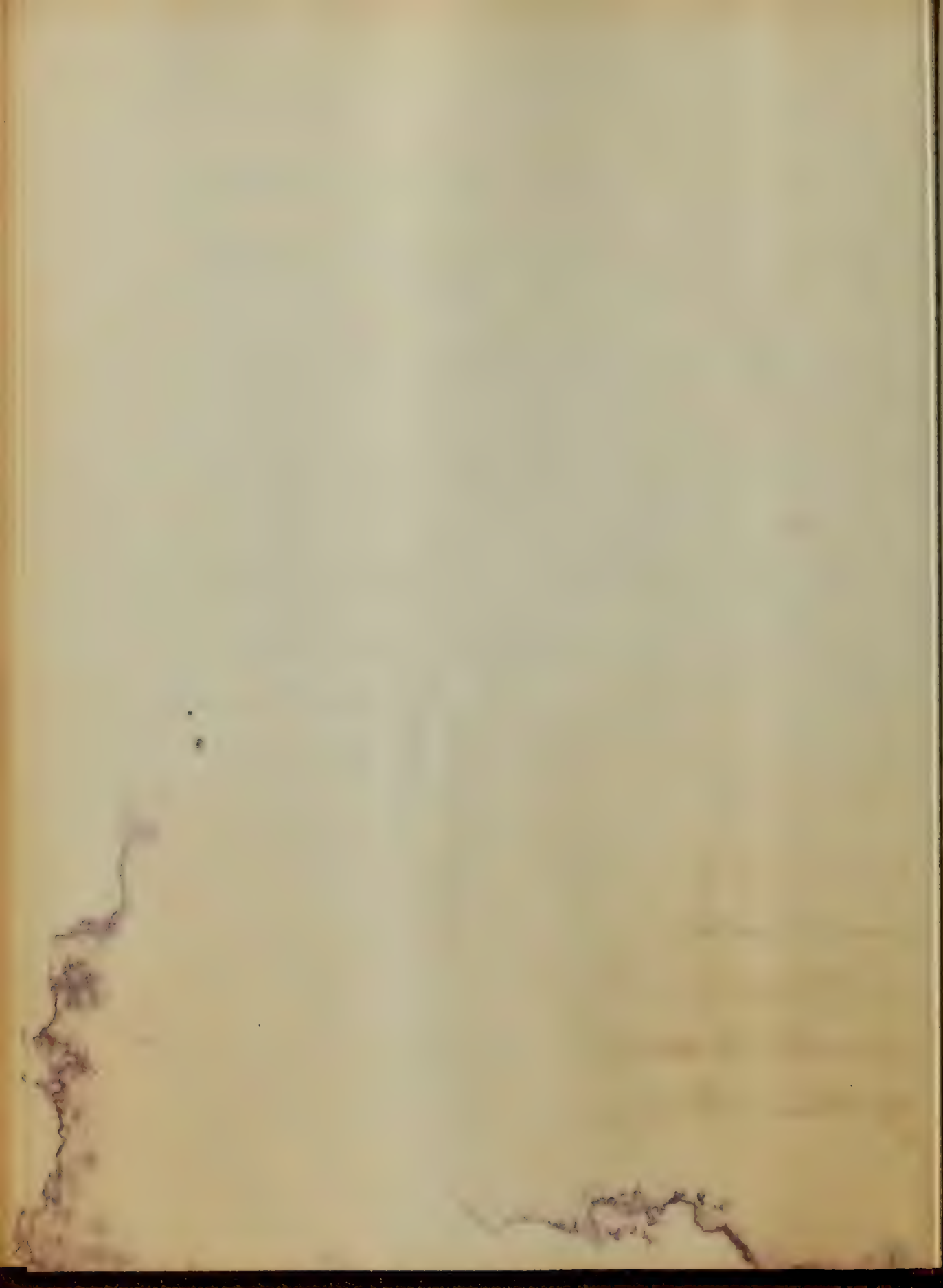
to some observers, the duration of the disease is sixteen days, according to others twenty four days, according to Flint, the duration of the disease in forty two cases analyzed by him was as follows: The average duration of the disease in these cases was sixteen days, the maximum twenty eight, and the minimum five days; the longest duration of any case occurring under his observation being fifty eight days. Convalescence is seldom rapid in this disease, the recovery like the commencement of the disease being exceedingly slow, and paroxysms of fever are apt to occur for some days after the patient has been considered con-



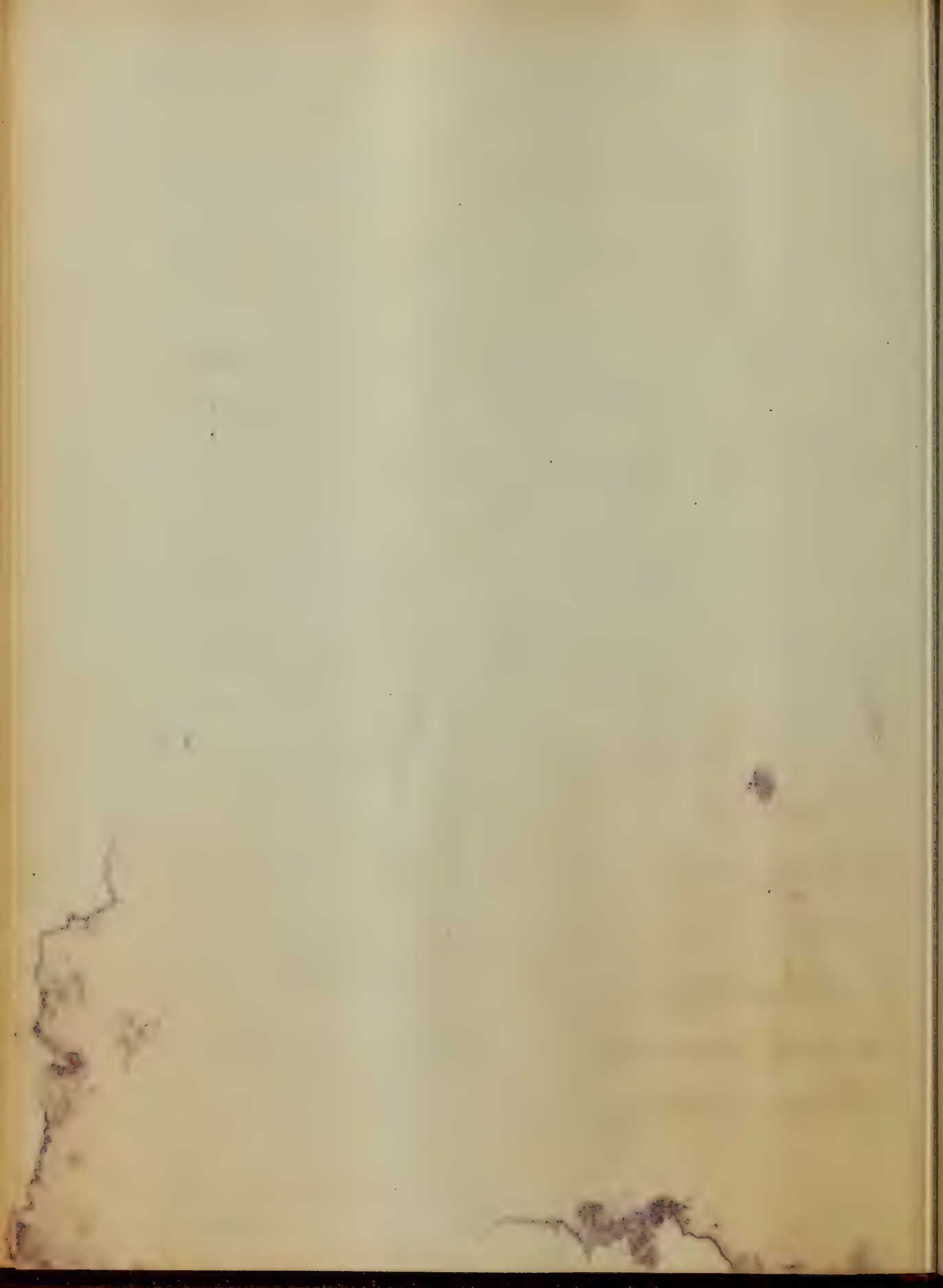
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volent. More or less fever is produced
by the change of state from the liquid
to the solid form. More or less fever is
also apt to occur as the result of com-
plications after the fever proper has
subsided. Sudden reduction of temp-
erature, or complete defervescence when
there are no complications, and when
not followed by hemorrhage from the
bowels is in general a sure sign
of ^{Complication} convalescence. These are sometimes
rubella, scarlatina, diphtheria, and in
some cases, the disease is assoc-
iated with typhus, pulmonary tuber-
culosis, and sub-cutaneous abscess oc-
casionally occur as sequelae. Death
by slow attrition, sometimes takes



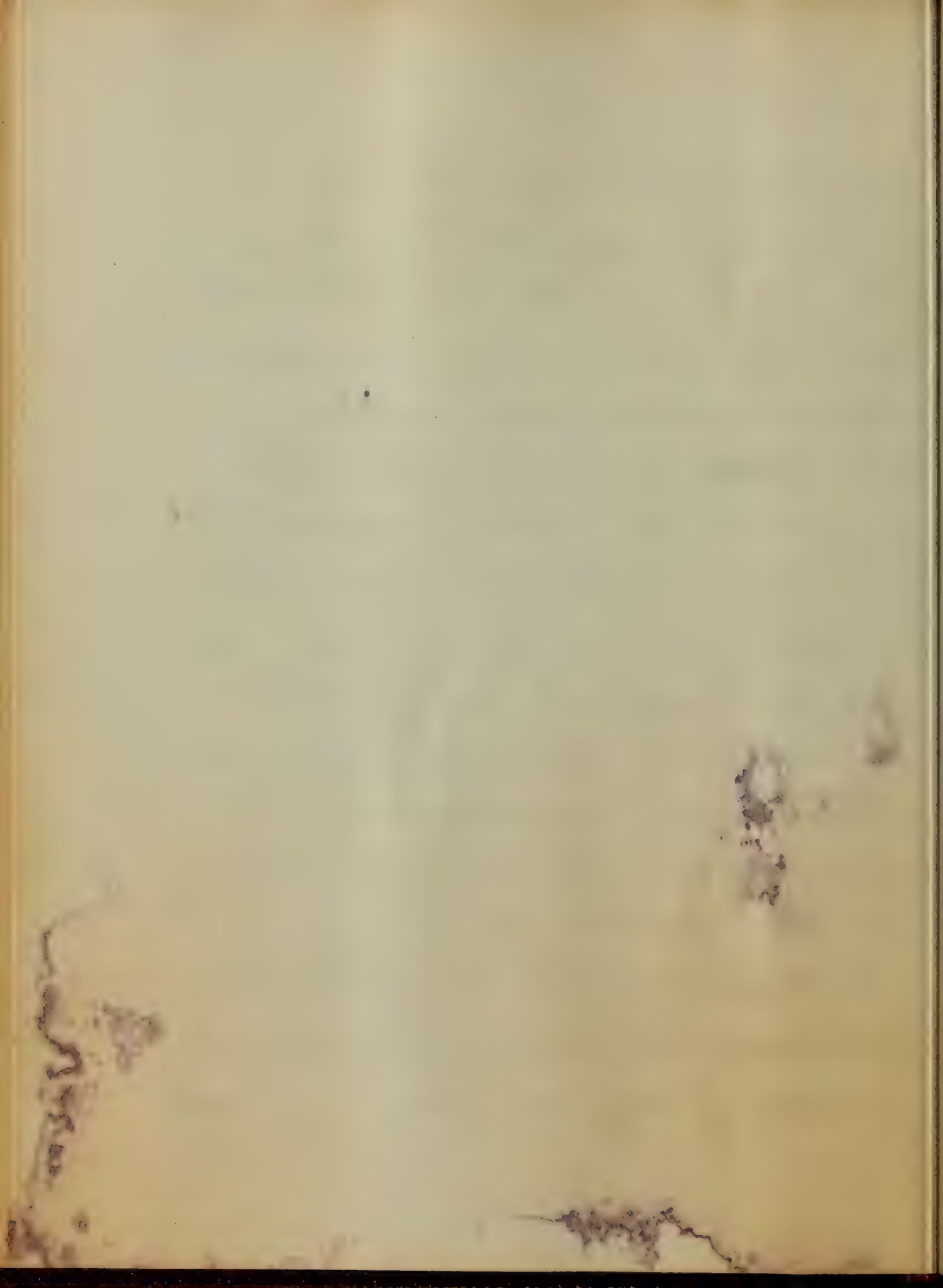
had. Of time however, the assimilative
 functions are more active after recovery
 than ever before, the patient gaining
 not only in weight, but in strength.
 Causation. Typhoid fever is not con-
 fined to any particular country or
 district, it is endemic in all parts
 of the world. It has a decided preference
 for the young, generally attacking
 those, whose ages range from twenty
 five to thirty. The liability to the
 disease diminishes, as the patients
 exceed this age. It rarely occurs in
 persons who have attained the age of
 fifty years, though a case has been
 reported as occurring at the age of fif-
 ty three. It is generally believed that



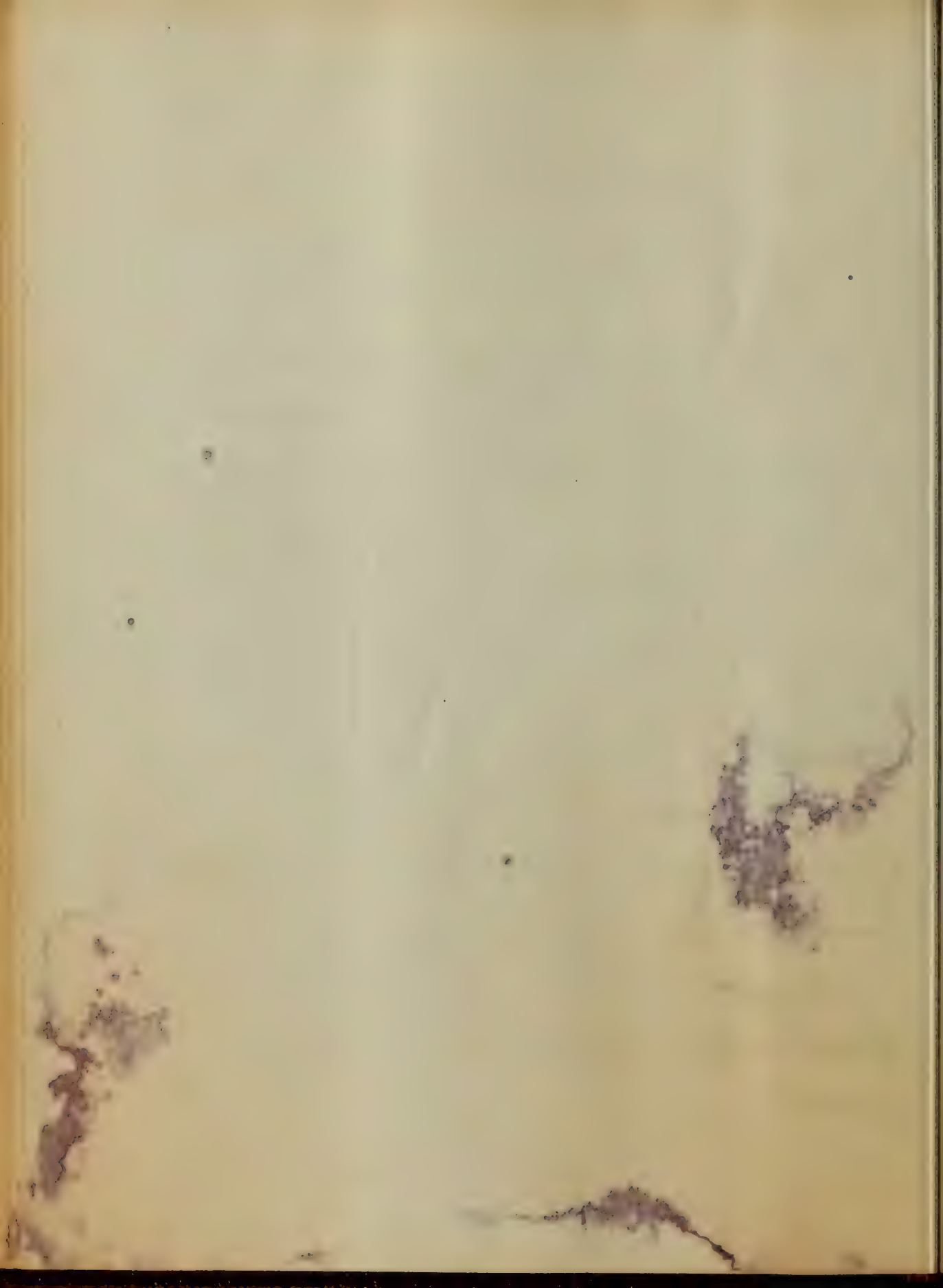
the functions of the pyrexia glands
 cease as the patients advance in age,
 hence the absence of intestinal le-
 sions in these cases. Cases of so-call-
 ed remittent fever, and very often cases
 of typhoid. As regards sex, males
 and females are affected in about
 equal proportions. Occupation, social
 position, habits of life etc; exert appo-
 rently no causative influence. The peri-
 od of incubation generally occupies
 one or two weeks, though it does
 not exceed one or two days in some
 cases. This disease is not propped
 by speaking contagious; that is it
 is not generated by actual contact.
 The causative influence whatever it



may be, is generated outside of the
 body, and produces its effect through
 absorption into the blood. What this
 contagious influence is, has as yet not
 been ascertained, some supposing it
 to be putrescent matter, others suppo-
 sing it to be the result of vegetable de-
 composition, and others again suppo-
 sing the germs of the disease to be trans-
 mitted, through the agency of the al-
 vinal excretions, the emanations from
 these excretions contaminating the
 water drawn from wells in locali-
 ties in which the disease is prevalent.
 The disease sometimes arises spor-
 taneously. In view of this fact, and
 in view of the fact that unboiled milk



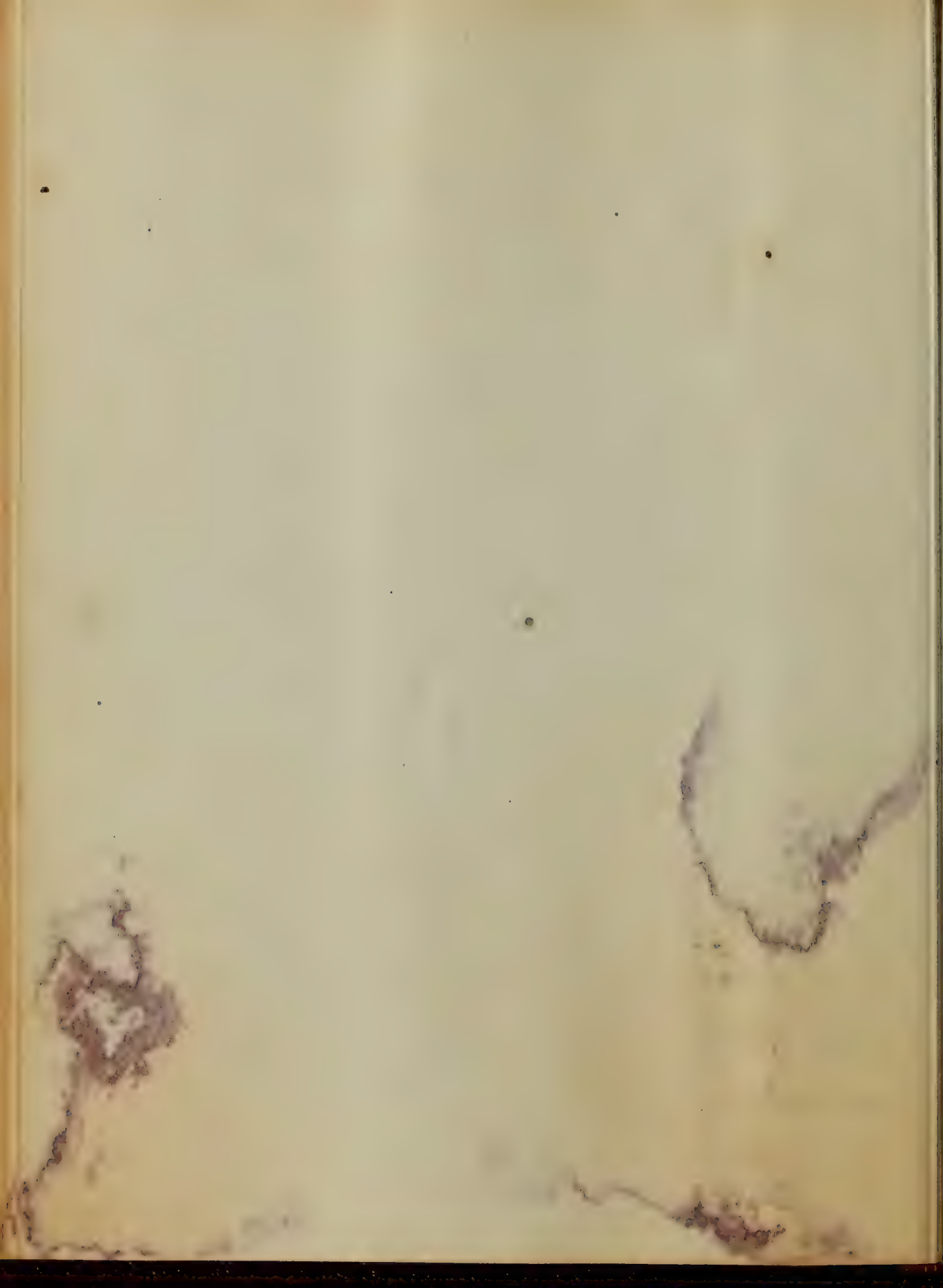
in cities and large towns, in the
form of filth, stunts, decaying
matter, animal as well as vegi-
cable, badly trapped snakes, collec-
tions in waste paper etc, may act
as auxiliaries to the producing cause
of the disease, it is right and proper,
that they should as far as possible
be removed, so that the appearance of
the disease in any locality, may be pre-
vented, from diffusing itself throughout
the whole community. If these precau-
tions are carefully observed, the disease
may be prevented from making any
headway, or at all events, very little, and
thus, many valuable lives may be
saved.



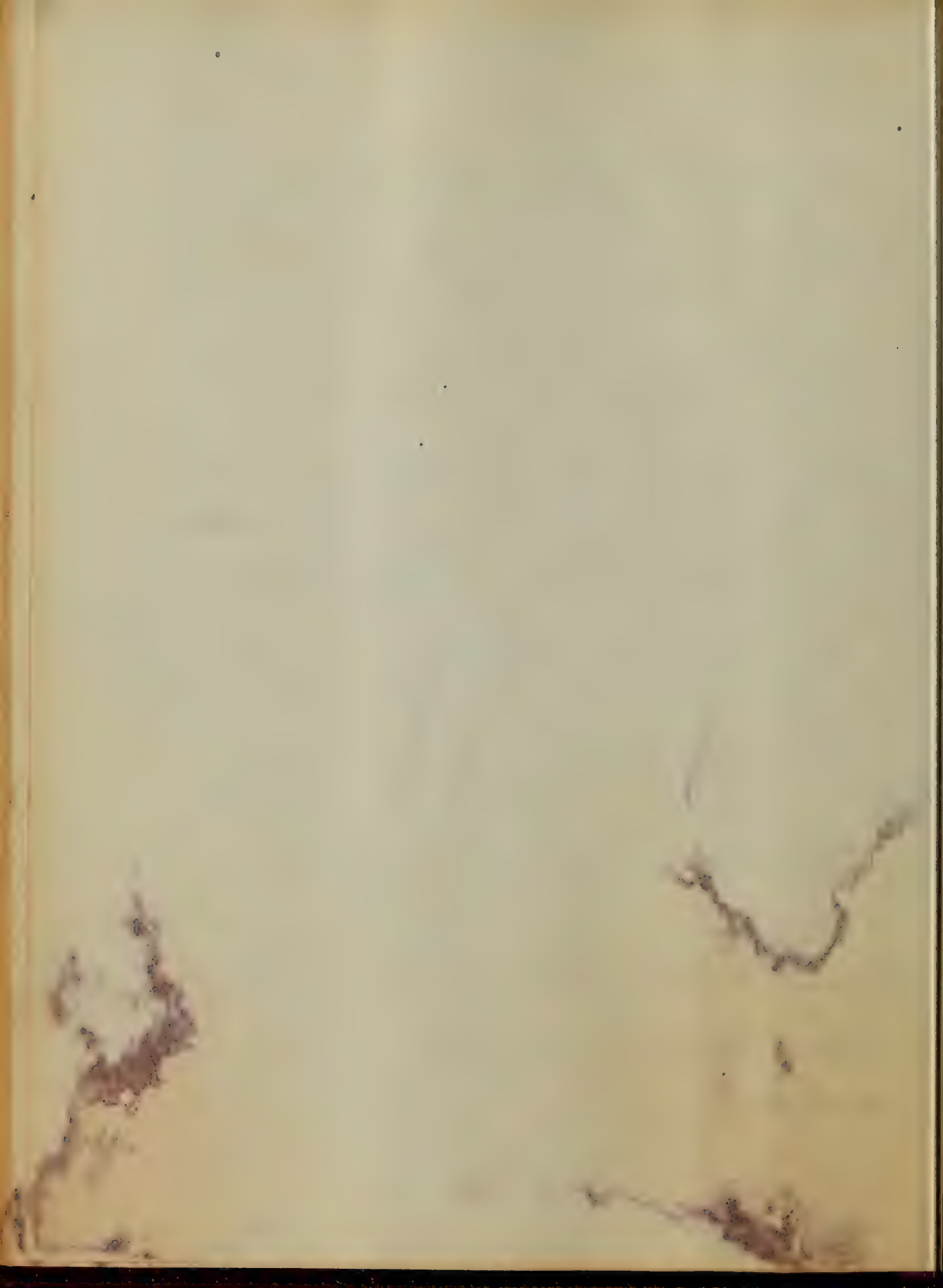
Diagnosis. - In diagnosing typhoid fever, it is important that a recognition, and distinction, of symptoms which do not belong to the clinical history of this disease should be made. There ^{are} some points in the clinical history of typhoid fever, which are of importance in making the diagnosis. Among these may be mentioned, first the acute or forming stage, second increased heat of skin, which continues to increase regularly for the first three or four days, and an increase to 103°F . during the second week. It also involves discrimination from typhus and remittent fevers. The local affections with which this disease is liable to



to be confounded with; pneumonitis, pleu-
 ritis, acute tuberculosis, meningitis and
 enteritis. Accuracy in diagnosis, re-
 quires an intimate acquaintance with
 all diseases for which this disease
 may be mistaken, and also with all
 the essential fevers. Acute meningitis
 is distinguished from typhoid fever, by the
 intensity of the cephalalgia, with intoler-
 ance of light, and sound, early vomit-
 ing, and high and active delirium; the
 delirium in typhoid fever, being of the
 passive character. Pneumonitis is dis-
 tinguished from the disease in question
 by the accelerated breathing, and if the
 obstruction be great, considerable dysp-
 noea, & cutaneous roses in the first stage.



rusty colored sputa etc. Typhoid pneumonia is distinguished from typhoid fever by the existence of the symptoms and signs of pneumonia, prior to the development of the typhoid pneumonia. Acute tuberculosis is distinguished, by constant cough & abundance of sputa, and if there be solidification, a dull, flat, or cracked-pot sound, if cavities exist cavernous respiration. There is also extent of dull and emaciation. This disease is liable to be mistaken for enteritis in children, but with care this error in diagnosis should not be made. The thermometer in this disease is of inestimable value in diagnosis, as it indicates the change



ges in temperature, which are so char-
 acteristic of this disease. - If the tem-
 perature should be, 102° & 103° in the
 morning, and 103° & 105° in the evening,
 the disease will be typhoid fever, if on
 the contrary, the temperature declines,
 during a period, too short for the develop-
 ment of the disease, we are not dealing
 with typhoid fever. The symptoms
 which are invariably present in typhoid
 fever, are cephalalgia, abdominal ten-
 derness, tympanites, epistaxis, diarrhoea
 and with other colored discharges, hemo-
 rhage from the bowels, and the eruption.
 With the exception of one of these symptoms
 viz the eruption, the above-mentioned
 may be relied upon in making out

I should make another exception, in regard
 to the hemorrhage from the bowels, this not occur-
 ring regularly, in cases in which recovery takes place.



the diagnosis, prominent to them all
however, is the length of the forming
stage, and the intensity of the febrile
phenomena. - Prognosis. This
disease rarely proves fatal per se, a
fatal issue in almost all cases being
due to complications. The most fre-
quent being, pneumonia, peritonitis,
perforation, and hemorrhage. Preexisting
disease as for example chronic disease
of the kidneys, or any other disease that
greatly debilitates the patient prior to the
typhoid attack. * It is a fact worthy
of observation however, that robust and
healthy persons are more apt to succumb
to the disease than those who are not
so strong. Death sometimes occurs

* will also help to render the prognosis unfa-
vorable.



place from slow asthma, in cases in
 which there exists a venous congestion
 and it often combined with the asthma
 and. Cough, subsultus costarum
 and acute and wild delirium are
 ominous. When the pulse is small,
 frequent, and compressive, with a
 murmur of the first sound of the heart, the
 condition of the patient may be consid-
 ered as dangerous in the extreme. In
 fact these symptoms often betoken the
 approach of death. Cases characterized by
 great prostration are also likely to prove
 fatal. Pneumonia though rather a
 serious complication, does not preclude
 recovery in most cases, provided it be con-
 fined to one lobe of the lung or a part of



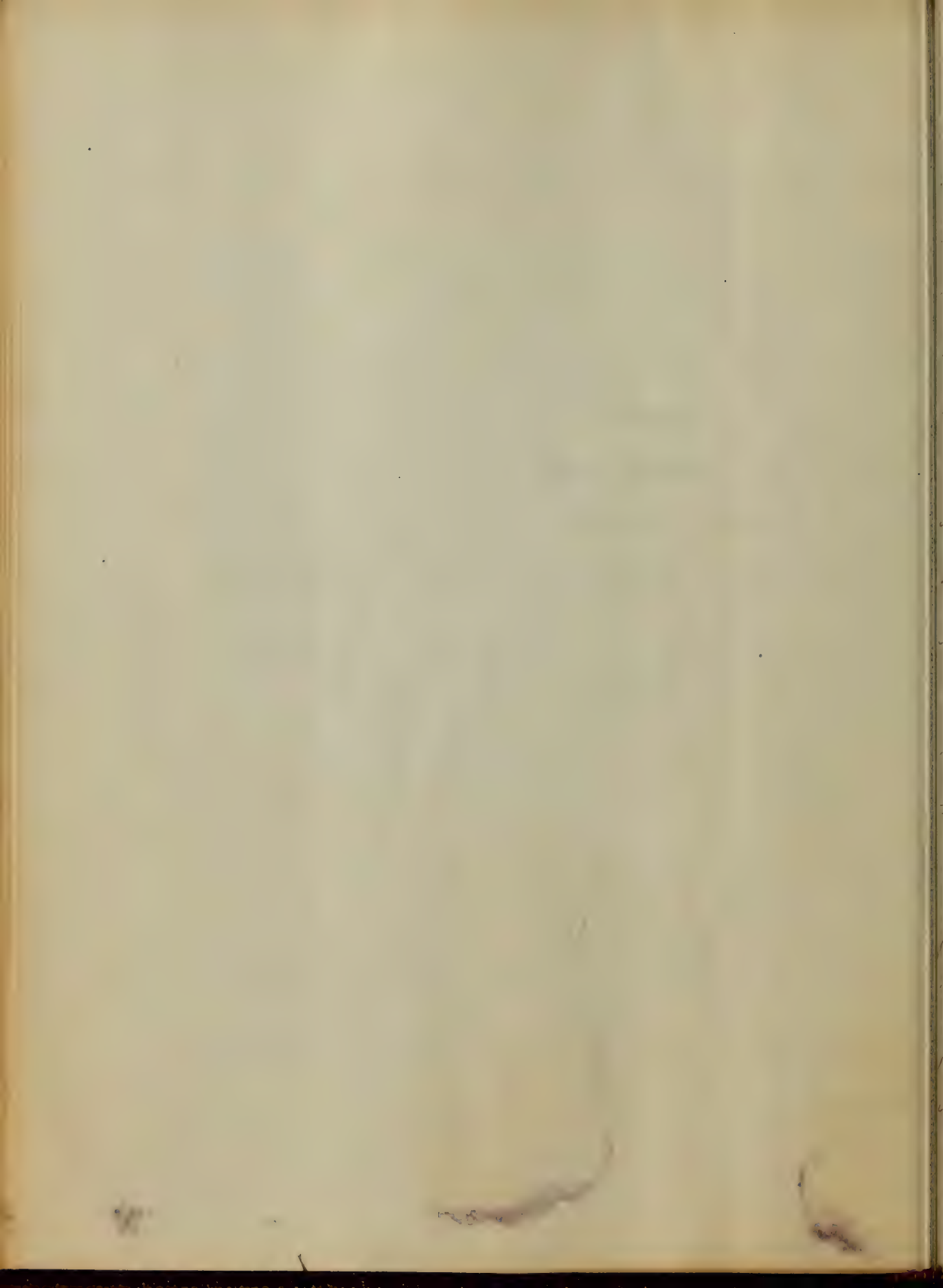
The rise of the axillary temperature to 105°, indicates great gravity of disease, and if the temperature reaches 107° or 108° the disease must almost inevitably prove fatal.

A favorable prognosis may be given, in those cases in which the adynamia is not great, the ataxia less pronounced, mild, and the complications not serious. A sudden fall of temperature below the natural standard, is rather a good indication, in some cases, as it is sometimes a forerunner of hemorrhage from the bowels. The physician should always be guarded in giving a favorable prognosis in any case; as the disease sometimes proves fatal after the patient has apparently recovered. It should also

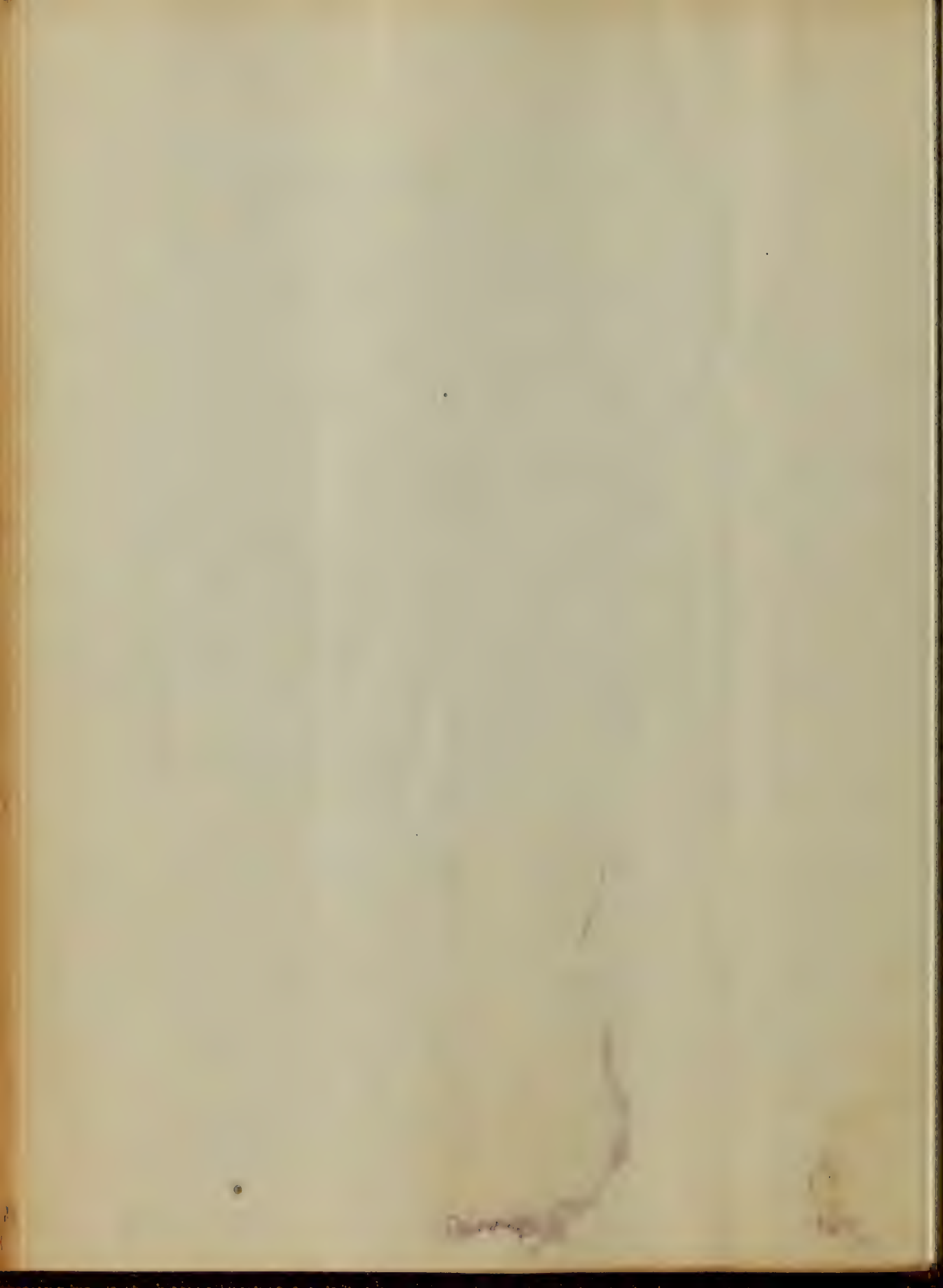
to bear in mind, that a fatal issue
is just as apt to occur in mild, as in
severe cases. On the other hand, recover-
y, has taken place, when the symptoms
were of the gravest character. Treatment
There are no known means at the pres-
ent time, to be used as prophylactics
in this disease. Simid opium and
hydrophaty, have been resorted to with
little or no success. But these remedies,
though they will not cut short the dis-
ease, will do much toward mitiga-
ting the symptoms. Calomel during
the first week has not been recommended
by some authors, as a prophylactic rem-
edy. Among the antipyretic remedies
quinine, opium, digitalis, and the most



run visible and not used. Sigmoides
 quiet the heart's action, and is there-
 fore indicated when the fever is high,
 the pulse full and strong, and the af-
 fection temperature, as shown by the ther-
 mometer, being, 103° or upward. The
 hydropathic treatment may be used
 with benefit; the mode of application
 is as follows: An india rubber cloth
 is laid upon the floor, over this a blan-
 ket is laid, a sheet thoroughly wetted
 is laid upon the blanket, the patient
 is then removed from his bed, and
 placed in the sheet, and allowed to remain
 there, from a few minutes to half an hour;
 he is then carefully wiped, and placed in
 bed again, in the course of an hour or



to, he may be dipped and before the bath.
 Should the pulse be feeble, a stimulant
 may be given, either before, or after the pa-
 tient has been returned to his bed. There
 can be no doubt as to the utility of the
 hydropathic treatment, applied in this
 way. A similar mode of applying cold
 to the surface, is to sponge the body
 with cold water, or with cold water and
 vinegar; the temperature of the water should
 be about 65° or 70° F. The temperature after
 this treatment will be diminished ^(of the body) one
 or two degrees; the treatment can be re-
 peated two or three times in the day if
 necessary, provided, it does not fatigue the
 patient, in the latter event it should be
 resorted to less frequently. Among

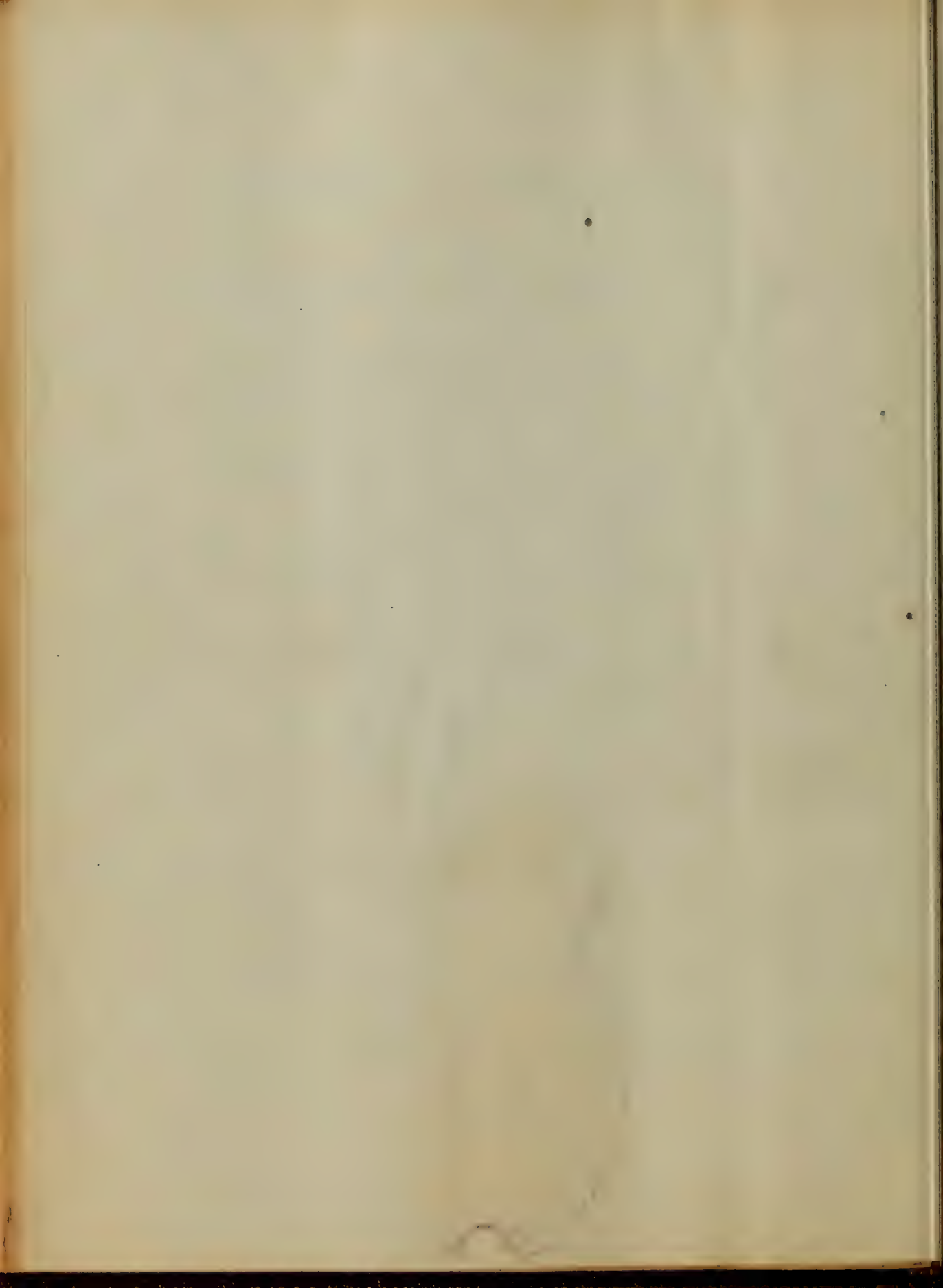


the intestinal remedia, the mineral acids have been recommended as exerting a curative influence in this disease. Some recommend the phosphoric acid, given in doses of ʒss. minims every four hours. The hydrochloric acid had been recommended by some, a mixture of hydrochloric and nitric acids given in the proportion of 20 drops of the former, to 10 drops of the latter given every two or three hours. These acids may be made agreeable to the patient, by being given in simple syrup, or Syrup of orange, but, Prof. Flint of New York has been very successful in the treatment of typhoid fever, by the administration of Sulphuric acid; there can be no doubt.



as to the efficacy of this mode of treat-
 ment. Turpentine is highly recom-
 mended by Prof G. B. Wood, when the tongue
 is dry, parched, and fissured, in decaying,
 either the commencement ^(or the existence) of ulceration. It
 seems according to this author, to ex-
 ercise a remarkably soothing and healing
 effect upon the ulceration. Along with
 these remedies the patient's strength
 should be sustained by bland and
 nutritious aliment. Among the com-
 plications, cephalalgia claims special treat-
 ment, which consists of cold applications
 to the head, in the form of ice, water, vin-
 egar and water, and in some cases the
 ice cap may be employed. Opium in cases
 of this kind is rather contraindicated.

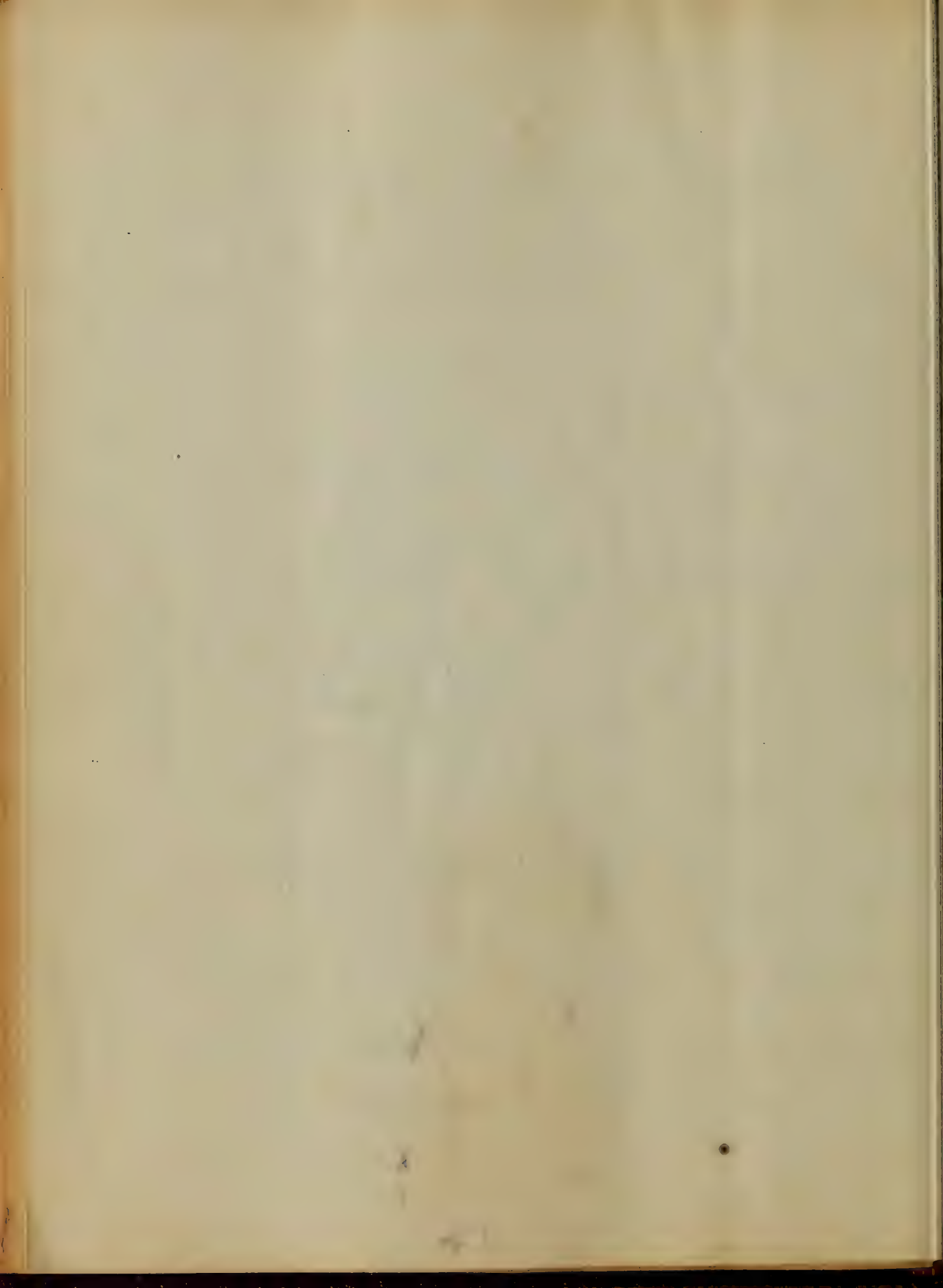
* The turpentine should be given, in doses, of from
 five to twenty minims, in mucilage, every hour or
 two, until the the desired effect is accomplished.



than otherwise, Vigilance should be con-
 trolled by opiates, either in the form of the
 preparations of opium, or when the vigilance
 is not is not very great, the tincture of guaiac
 might be used with advantage. Delirium
 when moderate does not call for treatment;
 but when active and persistent, should be
 treated with remedies which are indi-
 cated in such cases. The tincture of digitalis
 in half drachm dose has been found
 useful in some cases. Dr. Wray found
 this remedy useful given hourly for so-
 me successive hours, about two ounces
 being taken in thirty hours; the remedy,
 apparently producing no injurious effects.
 In some cases of active and persistent
 delirium good has been accomplished by



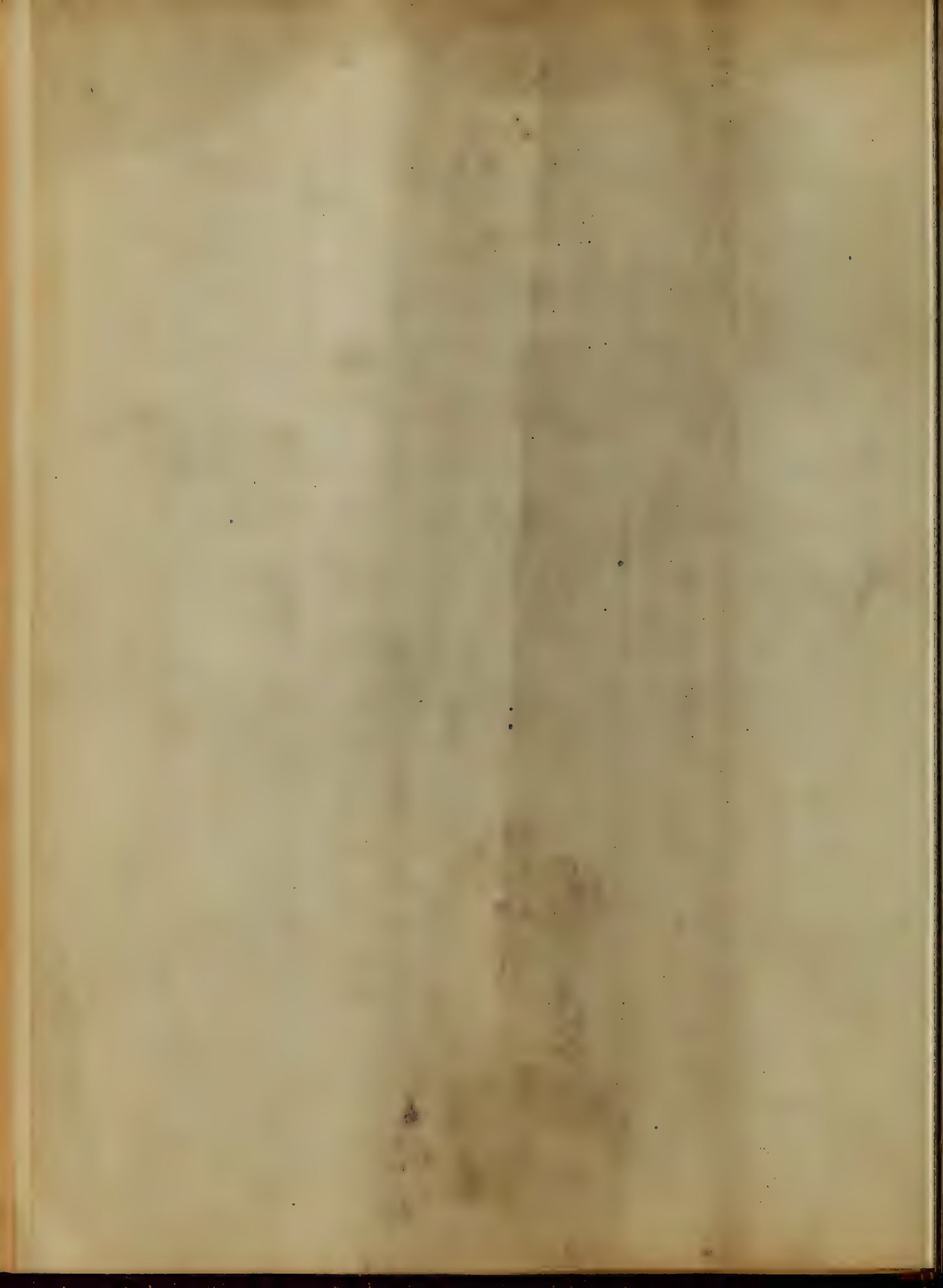
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the employment of Opium; combined
with antimony; from the 16th to the 3rd
of a grain of the Antimonii ^{et} Potassae Sact
given every hour or two, until the pa-
tient is relieved. Should vomiting occur,
the remedy should be immediately sus-
pended. Should there be great prostration
the patient, should be sustained by
stimulants, their strength to be regulated,
according to the necessities of each indi-
vidual case. In addition to these va-
rious modes of treatment, the patient
should have as much pure air as pos-
sible, and to prevent the spread of the dis-
ease, the executioners should be imme-
diately removed from the apartment in
which the patient is confined. After



convalescence has been declared, the patient should begin gradually the use of starchy and nourishing food, but should not be allowed to eat too heartily owing to the debility of the digestive organs. As the patient gains strength, active but not exhausting exercise should be taken. Observing these precautions, the patient will gradually attain his wonted strength, provided, no fatal complication supervene.

Paris

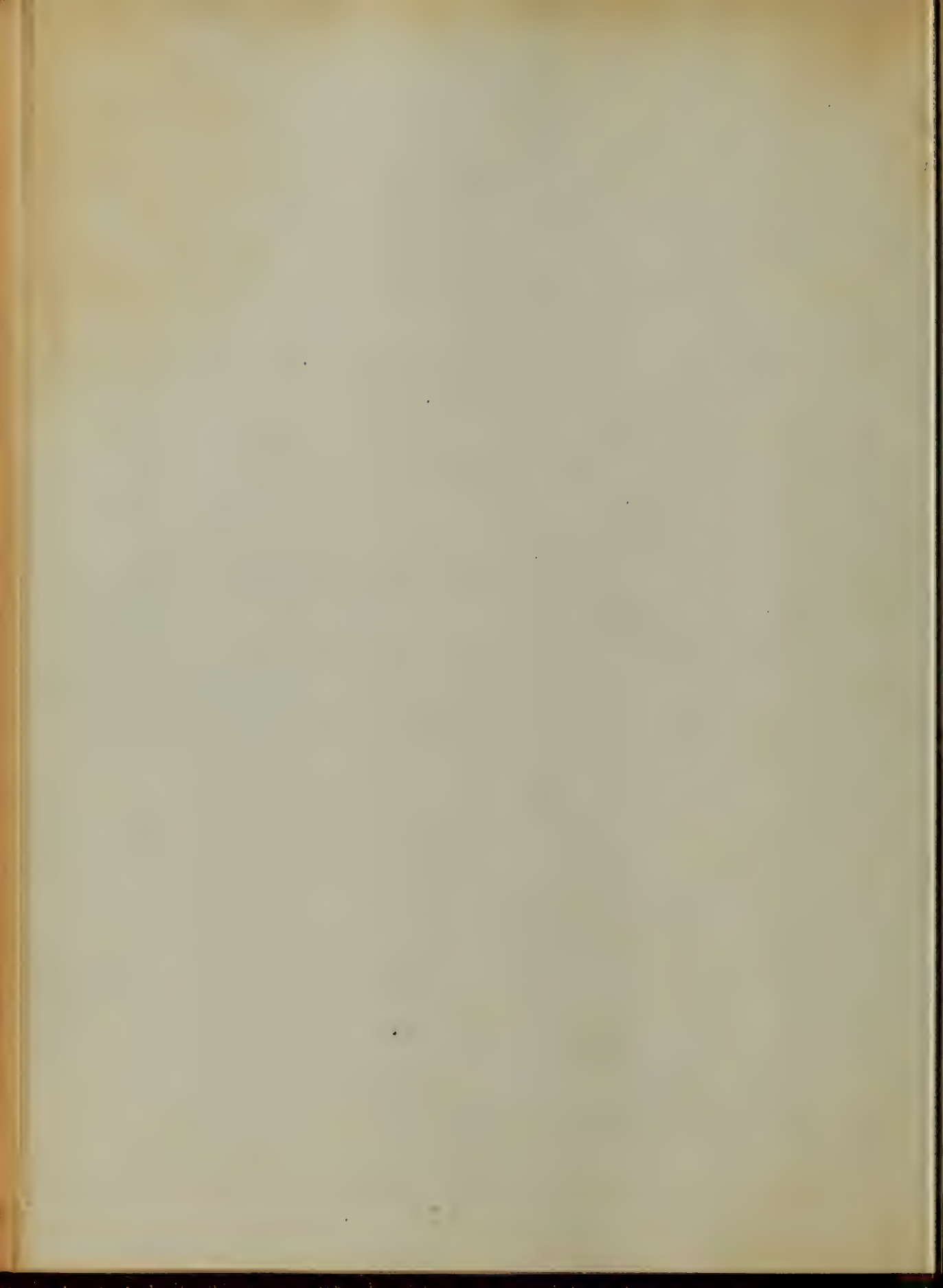
January 23^d 1845



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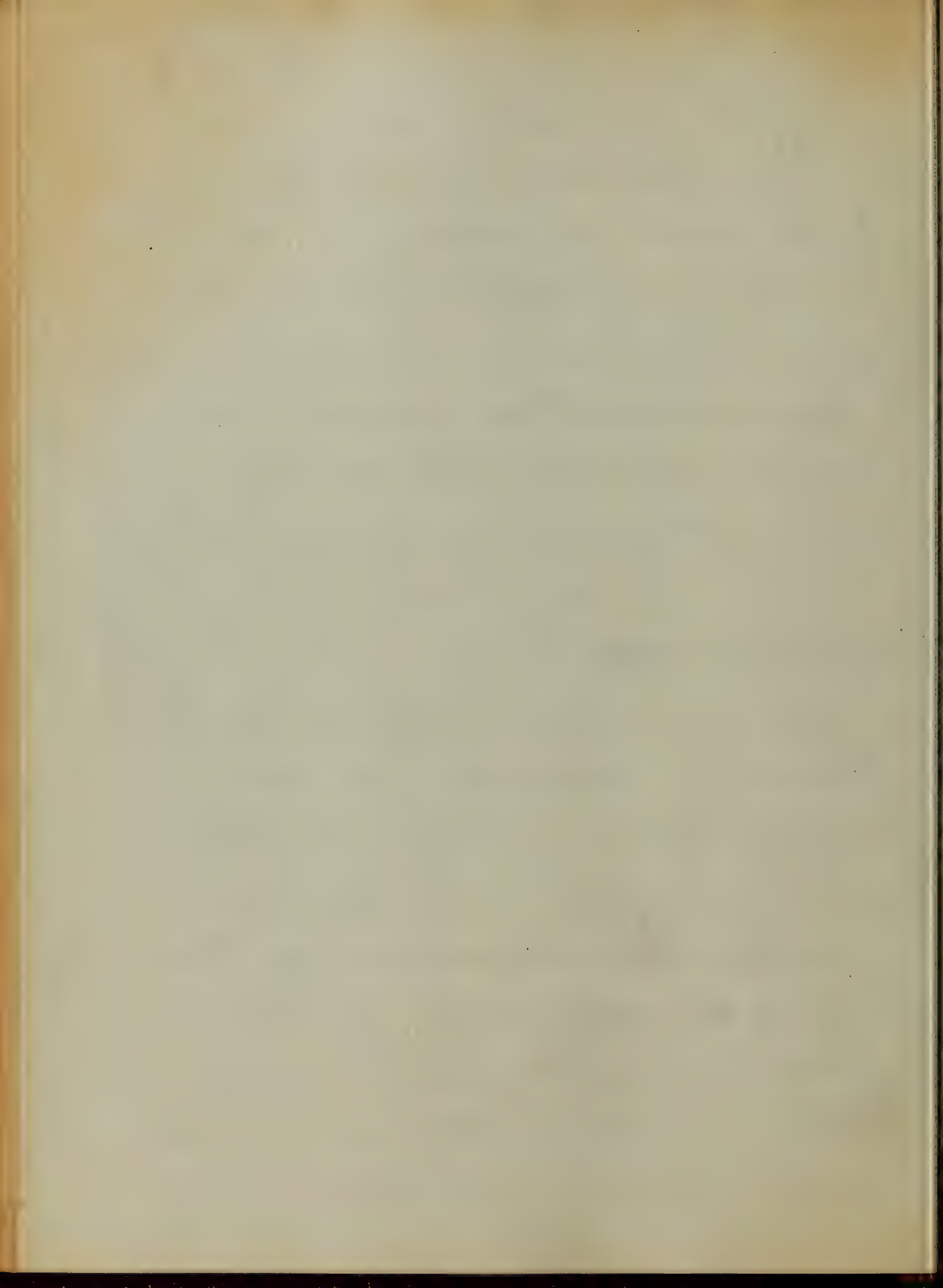
Thesis

by C. H. Mitchell



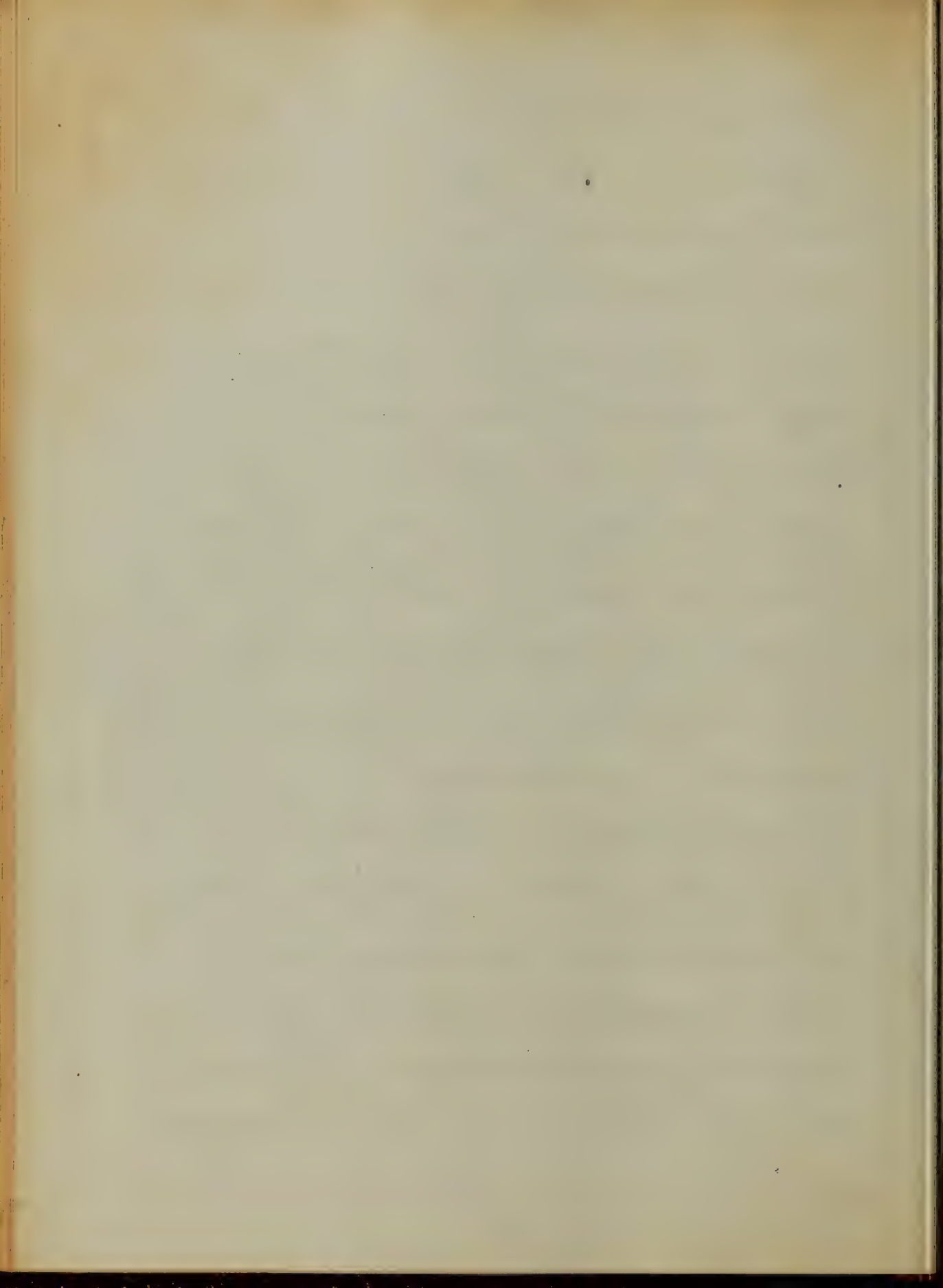
Pseudomembranous Laryngitis

In the selection of a subject for a thesis so various and complicated are the themes from which to make a choice that it requires not a little reflection to procure from the inexhaustible store house of medical sciences, one to which the novice in medicine can do both justice to himself, and those to whom his dissertation is submitted for examination. But yet he must feel, as those gone before him, that they have felt the same delicacy and difficulty in performing this a duty and obligation of all students of medicine. And I gentlemen as one of many, striving for that eminent & medical eminence.

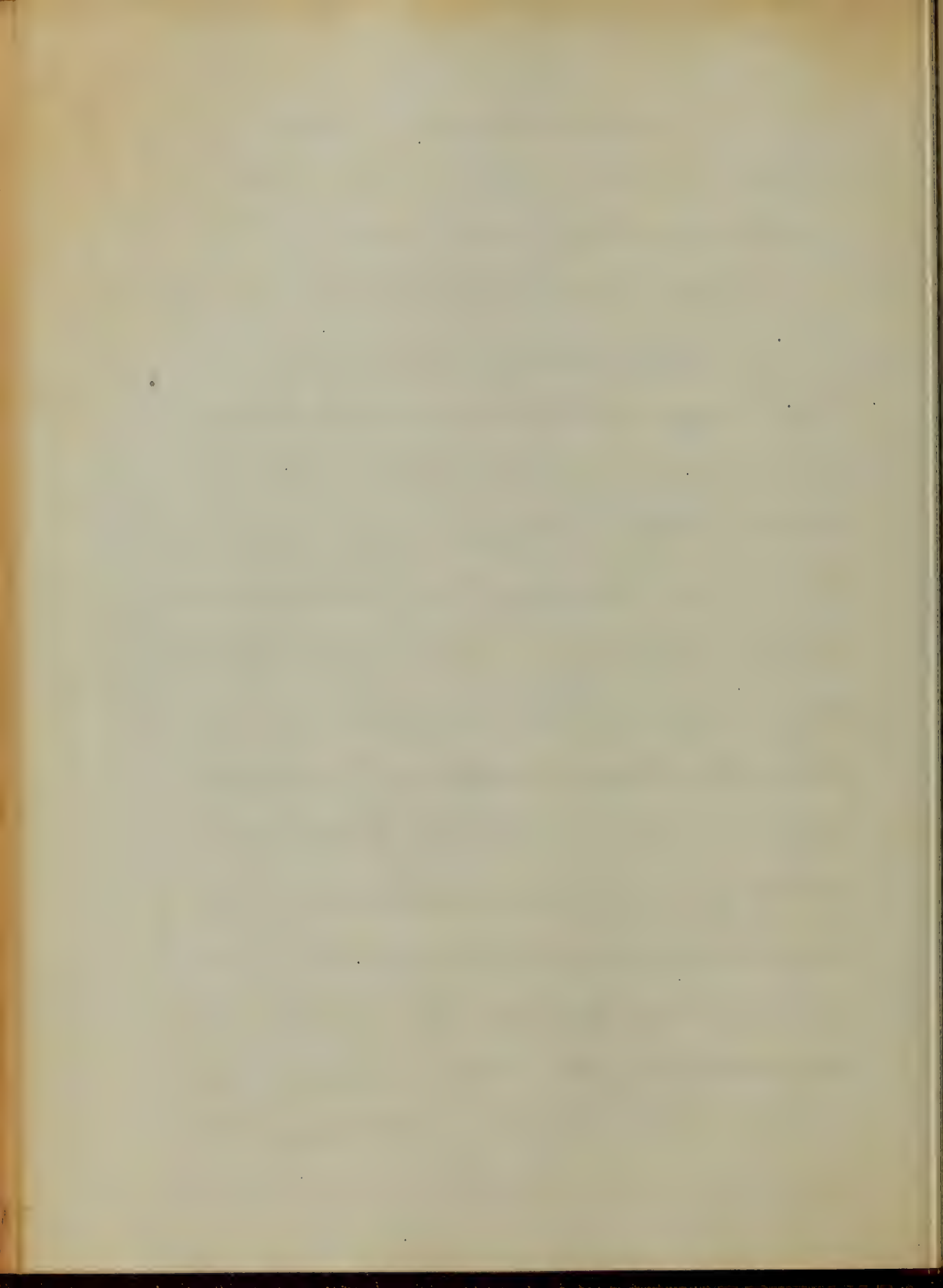


of course am possessed by the same sensations
Yet I cannot help, but think that you
will view all imperfections in this com-
position with some degree of leniency
and, if in after years it should be
my lot to return to the scenes of
youthful labors, feel that the re-
turning memories of by gone days will
forcibly remind me of the profitable
moments spent in the sacred halls
of my Alma Mater.

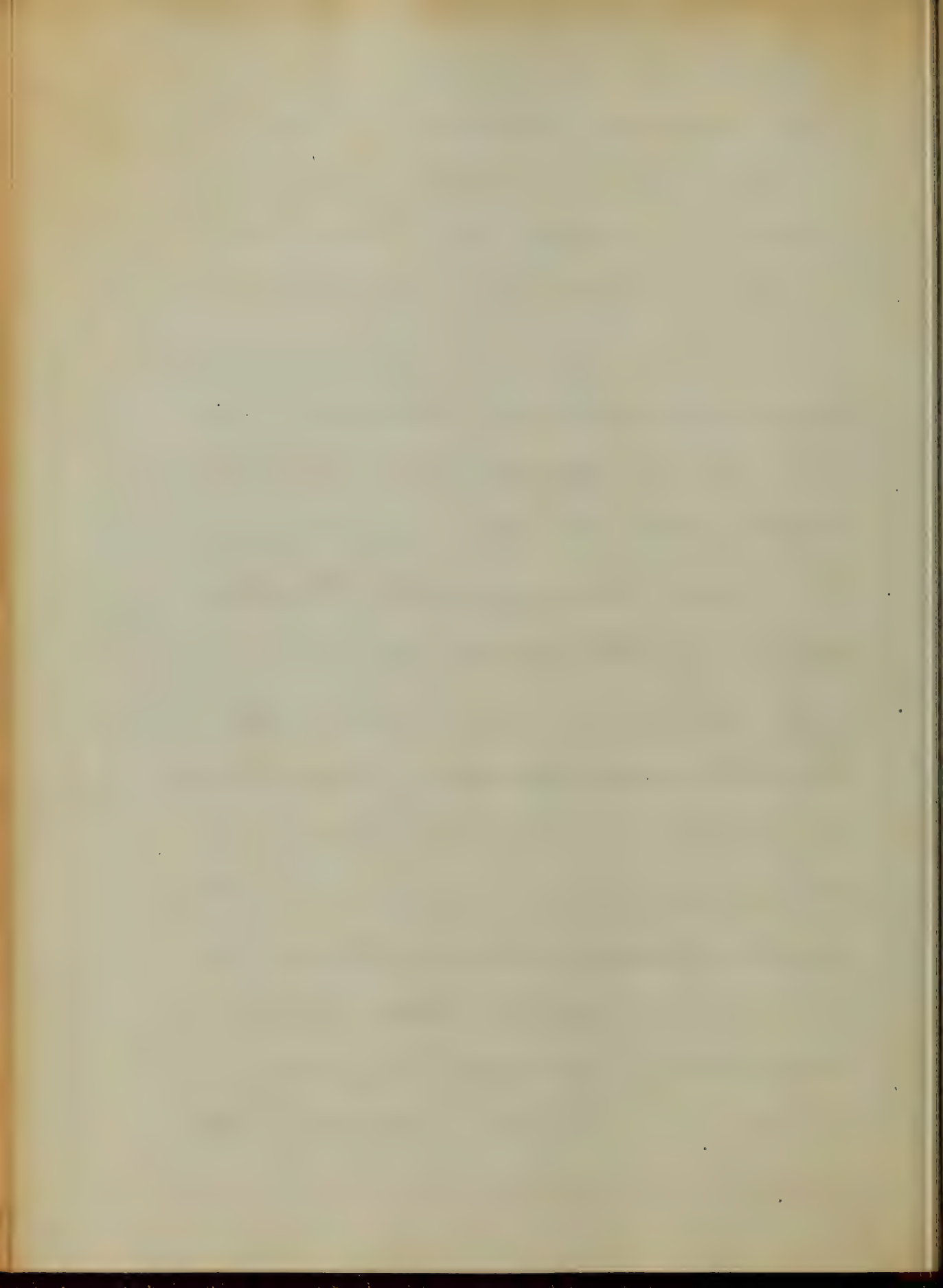
I will first give briefly an account
of that part of the respiratory appar-
atus to which Rends is confined,
and then go on
with the clinical history, Pathology,
Diagnosis, and Treatment



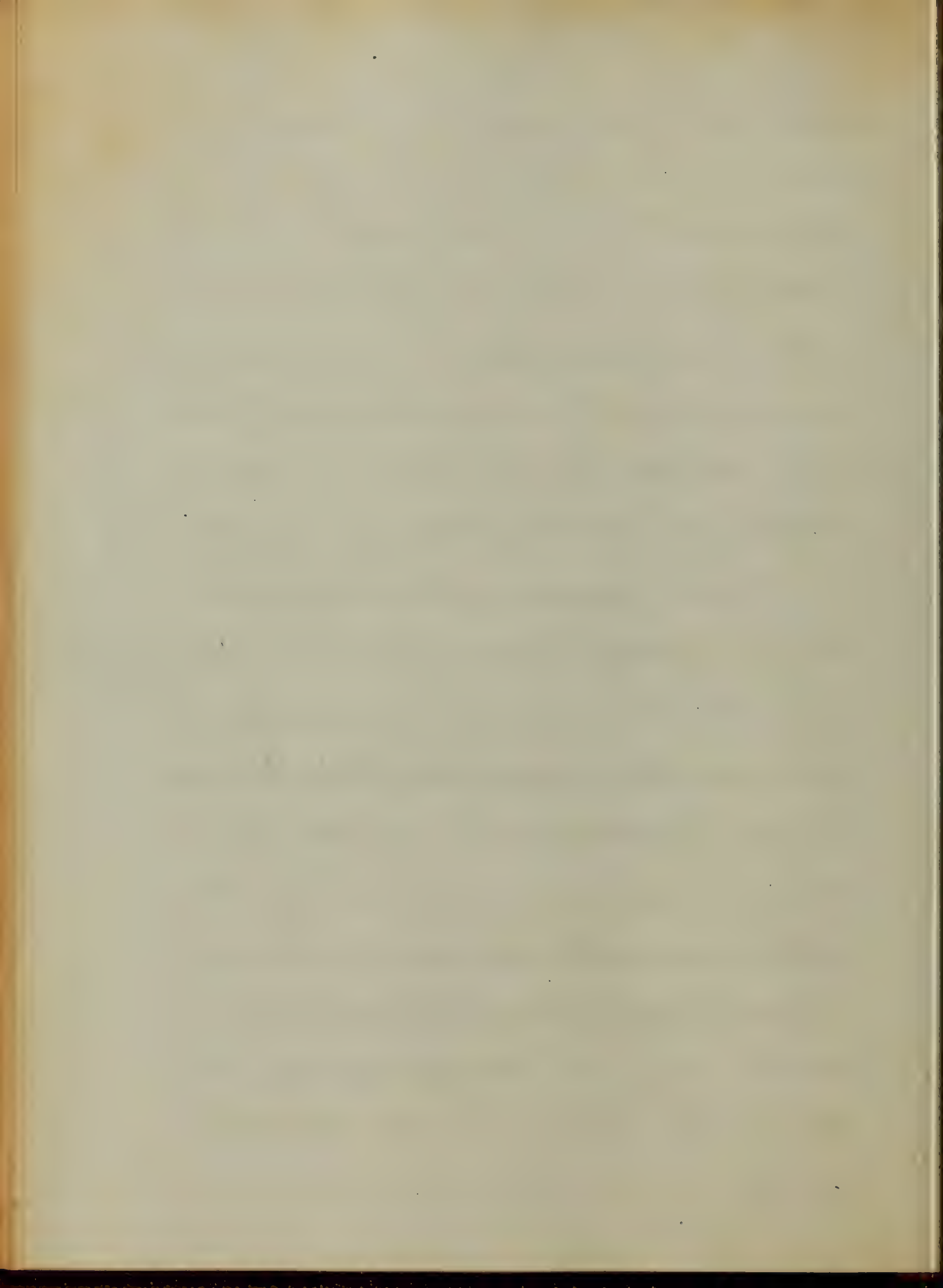
Anatomy of the Larynx. This organ is situated at the upper part of the passage between trachea and base of tongue, general shape tubular, broad above and cylindrical below, and is composed of nine cartilages held together by ligaments and by various muscles. The Thyroid cartilage is the largest, consisting of two lateral lamellae united in front to form the Prominent Adami, which is absent in the male. The Cricoid so called from its resemblance to a signet ring forms the inferior part of larynx. The Arytenoid so called from their resemblance to the mouth of a pitcher, are situated



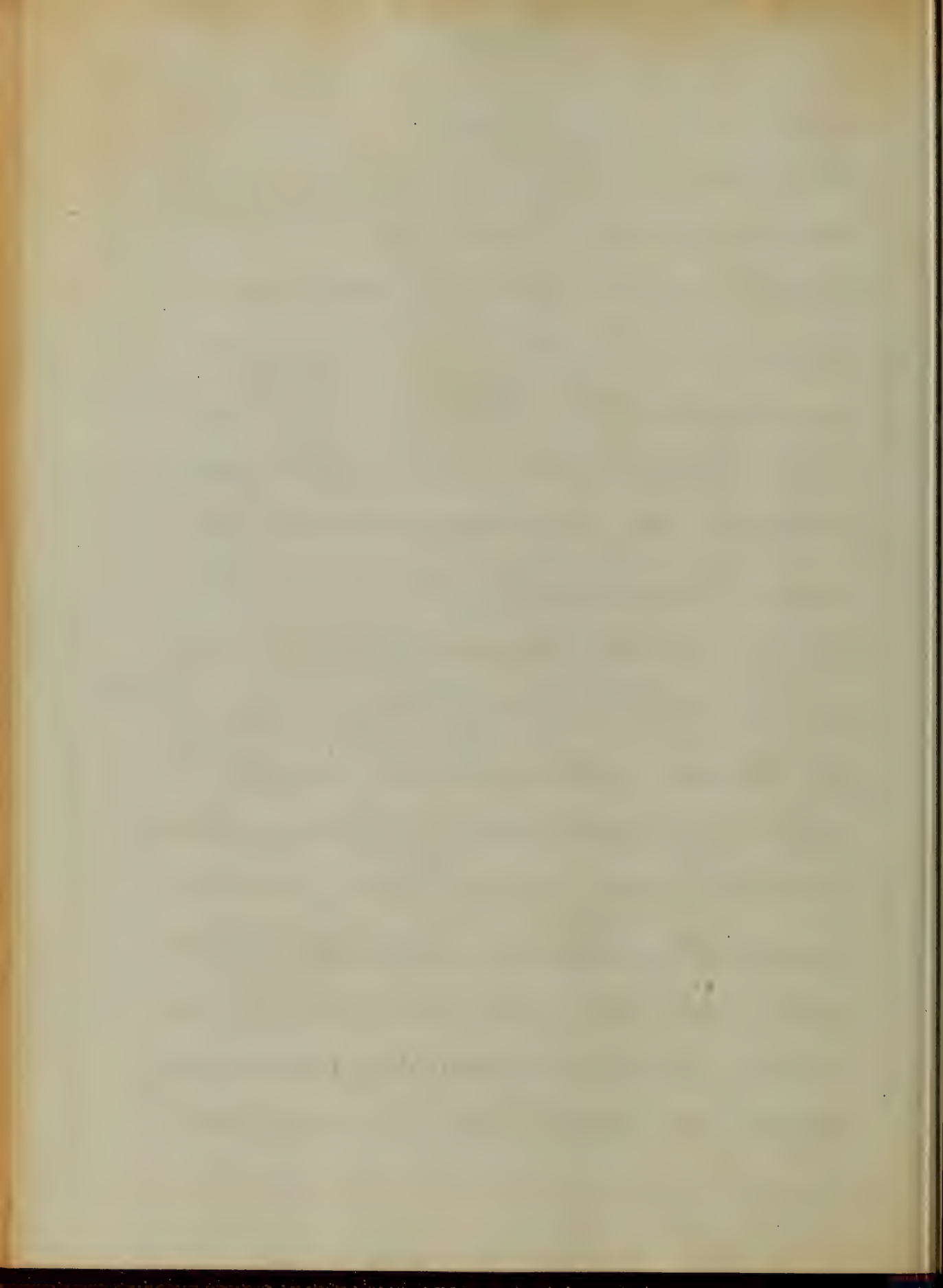
at the superior border of the cricoid cartilage
of the larynx. The Cuneiforms
or cart of Whisberg, are situated in the
folds of mucous membrane extending from
the apex of arytenoid, to the side of the
epiglottis. The epiglottis is a thin leaf
shaped fibro cartilage, situated behind
the larynx, and in front of the upper
opening of the larynx, open during
respiration and closed during deglu-
tition. General structure of the Carti-
lages. The Epiglottis, Cuneiform and
Cornicula, composed of yellow cartilage,
with no tendency to ossify, the others
no exception in old age. The cavity
of the larynx extends from behind
the Epiglottis to the anterior border of the



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cricoid, and divided into two parts by
the projection upwards of the vocal
cords, between the true vocal cords
is the rima glottidis. The superior
or false vocal cords so called from
their not being concerned in pho-
nation are merely folds of mucous
membrane enclosing the superior
Thyroarytenoid ligament, and be-
tween the true and false vocal
cords is the ventricle of the larynx.
The mucous membrane of the larynx,
the epiglottis, and is of the
columnar ciliated variety, is con-
tinuous with that lining the mouth
and pharynx, and extends down to
the lungs. There are also numer-

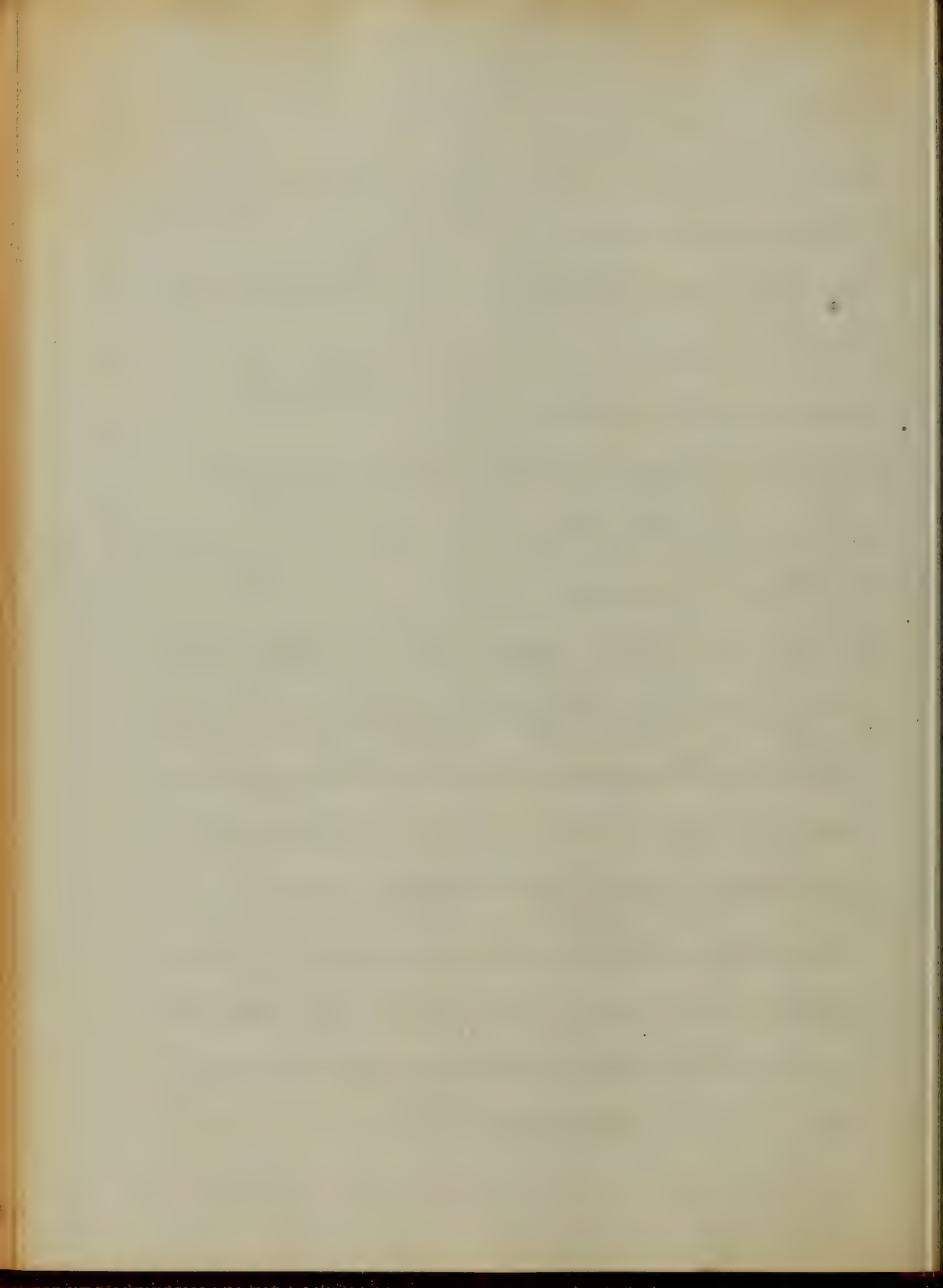


and muciparous glands over its entire sur-
-face but none on the vocal cords, and is
richly supplied with blood vessels, and
nerves, The trachea is a cartilagi-
nous tube, that on its posterior surface
and extending from the fifth cer-
vical to the third dorsal vertebrae,
where it divides into the two primary
bronchi, Its cartilages number from
sixteen to twenty, extending around
two thirds of the tube and completed
posteriorly, externally, by fibrous tissue,
and internally by transverse and lon-
gitudinal muscular fibres, Its Epitheli-
um is the columnar ciliated, On its
mucous membrane are large numbers
of glands, which keep the surf con-



stantly lubricated, and it is also sup-
plied & well supplied by blood
and nerves. Such is a brief sketch
of the organs of the respiratory
respiratory apparatus, and I now pro-
ceed to speak of Pseudo membranous
Laryngitis which is generally confined
to these organs.

Synonyms of this affection are Cyan-
che Trachealis, Angina Polyporea, Suffo-
catis stridula, Morbus Strangulato-
-rius. Croup is prominent a disease
of childhood, most probably because
their mucus membranes are so sen-
sitive. There are two forms, Spasmod-
ic and Pseudomembranous Laryngi-
-tis. Croup. Definition. Stridula



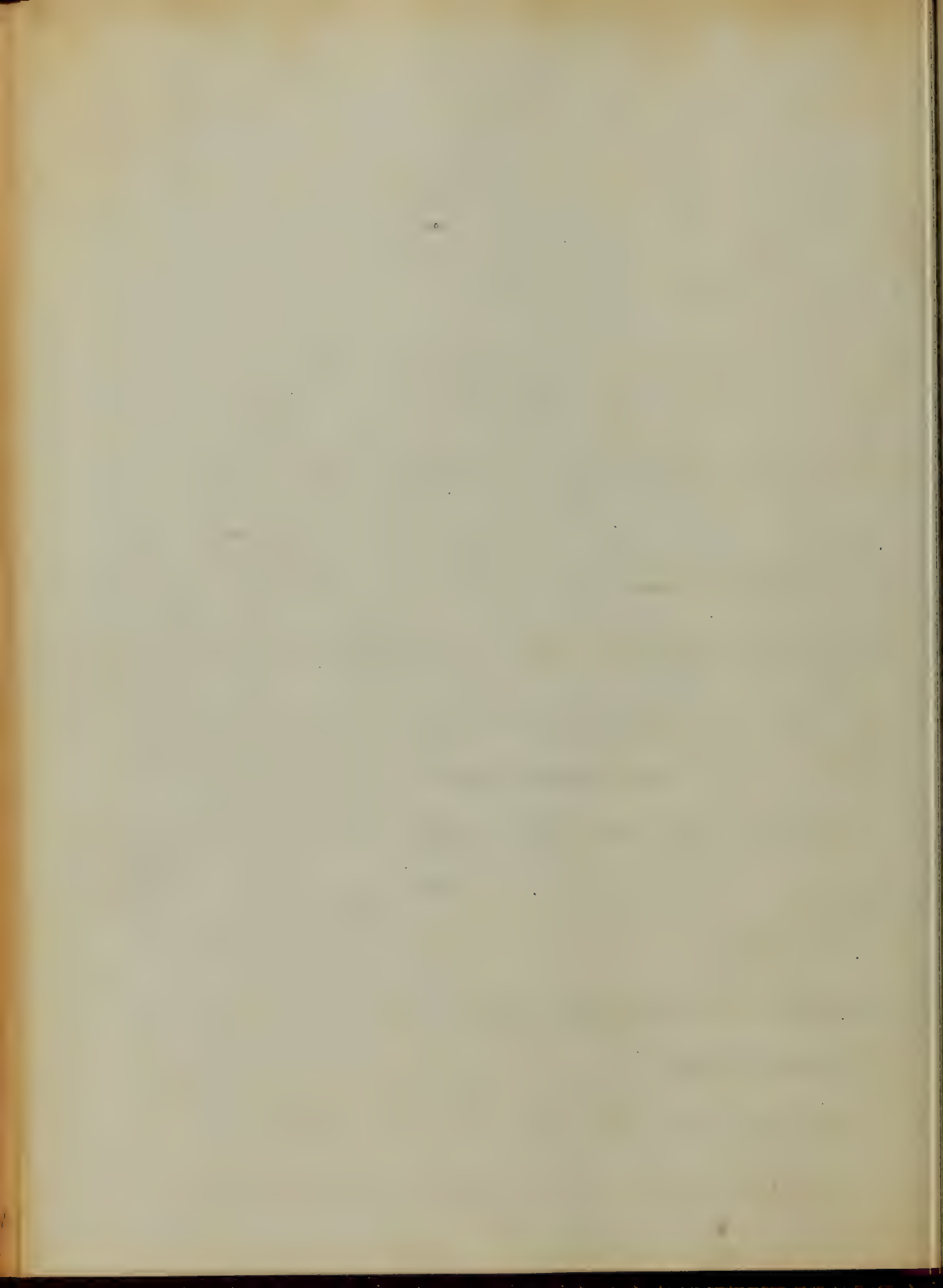
ation of the ...
with the formation of ...
Benedictine ...

Causes. Some children seem to be more susceptible than others, and sometimes it appears to be hereditary, but the exciting cause however is exposure to cold, swallowing of irritating liquids, and inhalation of irritating vapors.

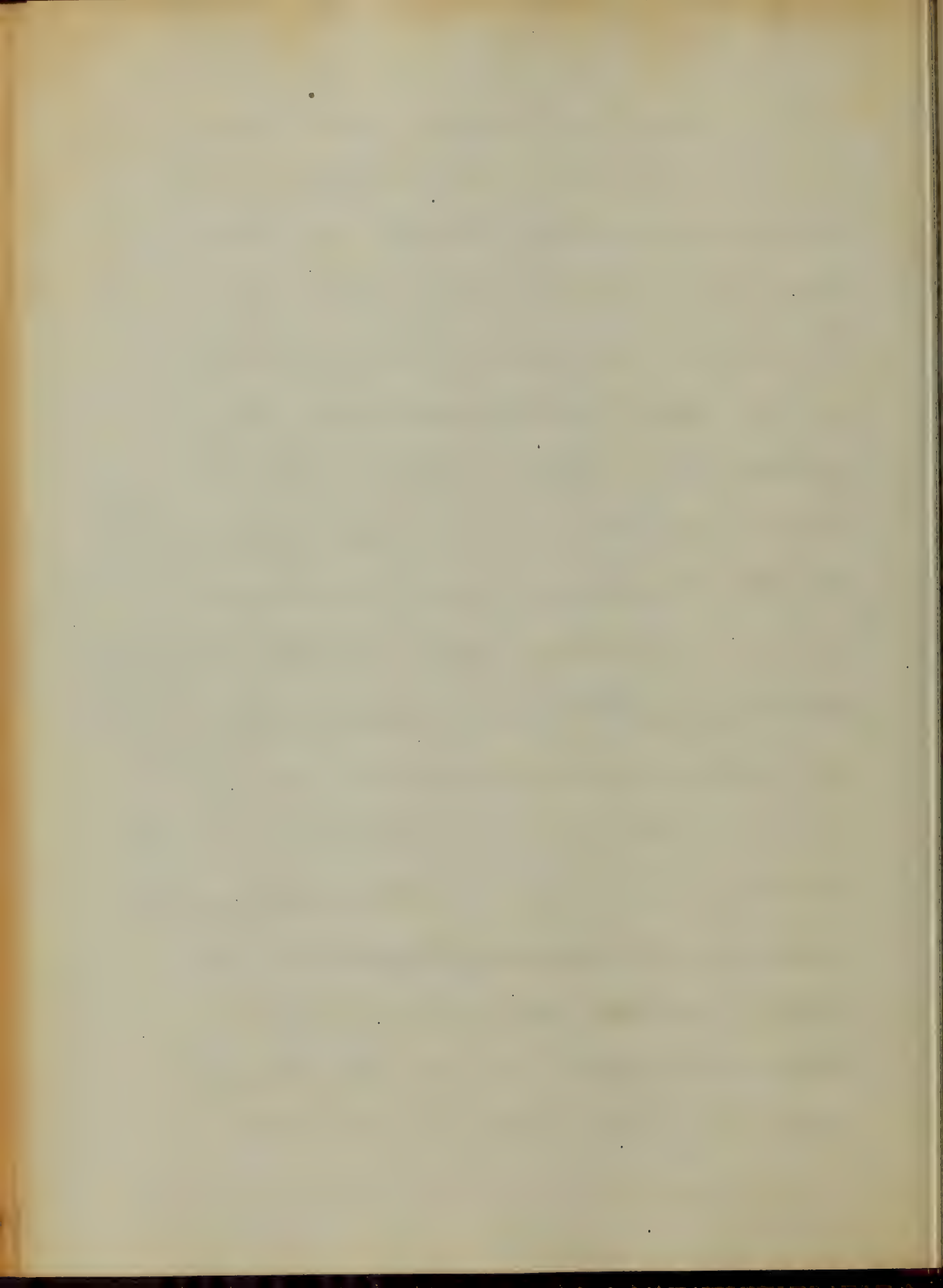
Croup is generally a primary disease but may be a complication of both Scarlatina and Rubella. It is most frequent in cold and changeable weather.

Anatomical Characters.

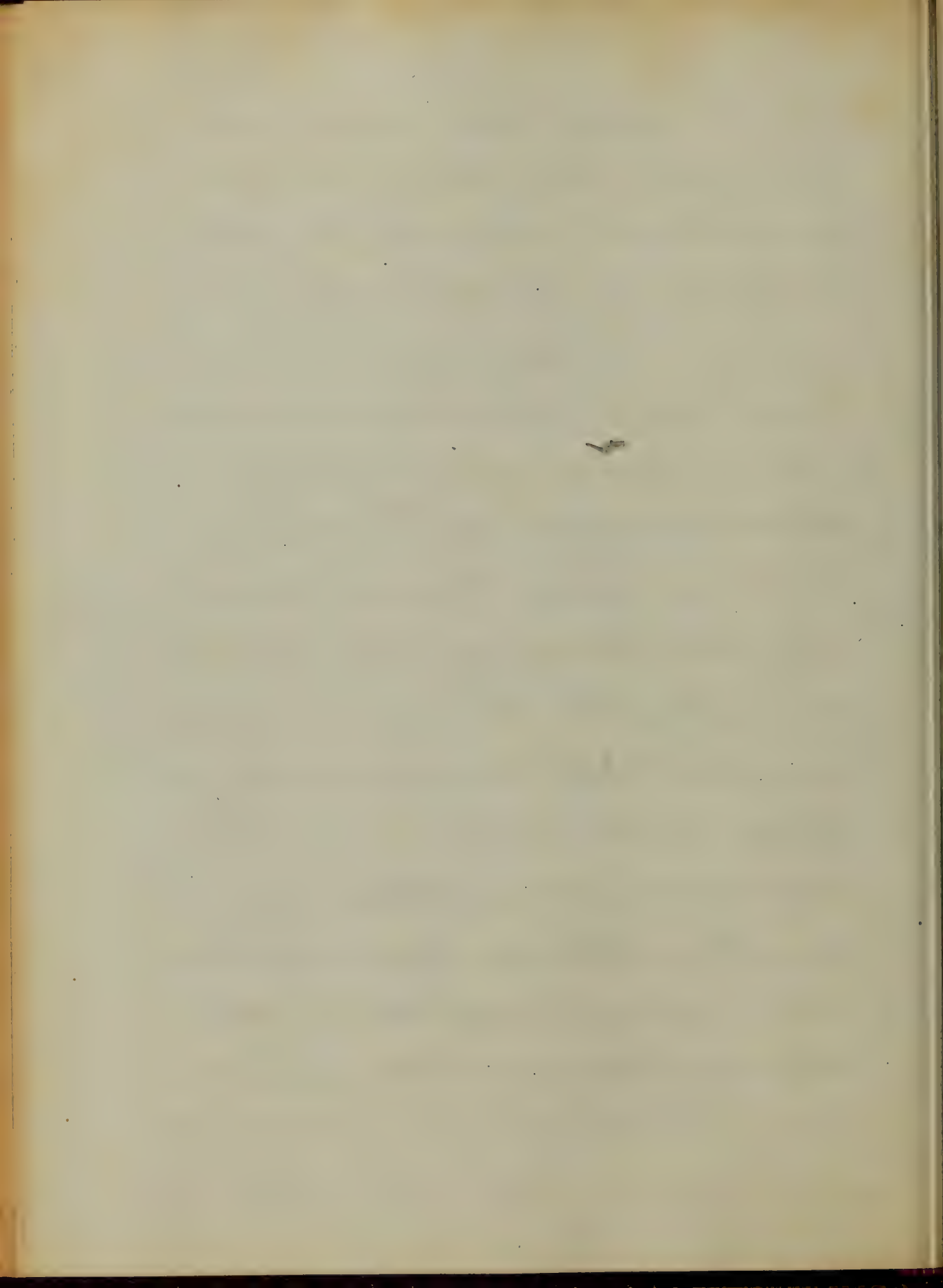
The invasions of the inflammation are not only on the mucous membrane, but



of the air into the submucous connective
tissue, giving rise to oedema. Post
mortem examination reveals hyper-
aemia, thickening, desquamation
of the epithelial cells, and the
production of mucus, pus. Inflamma-
tion in severe cases extends down
to the trachea and even bron-
chial tubes. As regards to the com-
position of the false membrane,
the theories are various. Some
suppose that it consists of fibrine
having exuded from the submu-
cus vessels, became fibrillated on
exposure to air, its interstices
being filled with pus, epithelial
cells and amorphous matter.

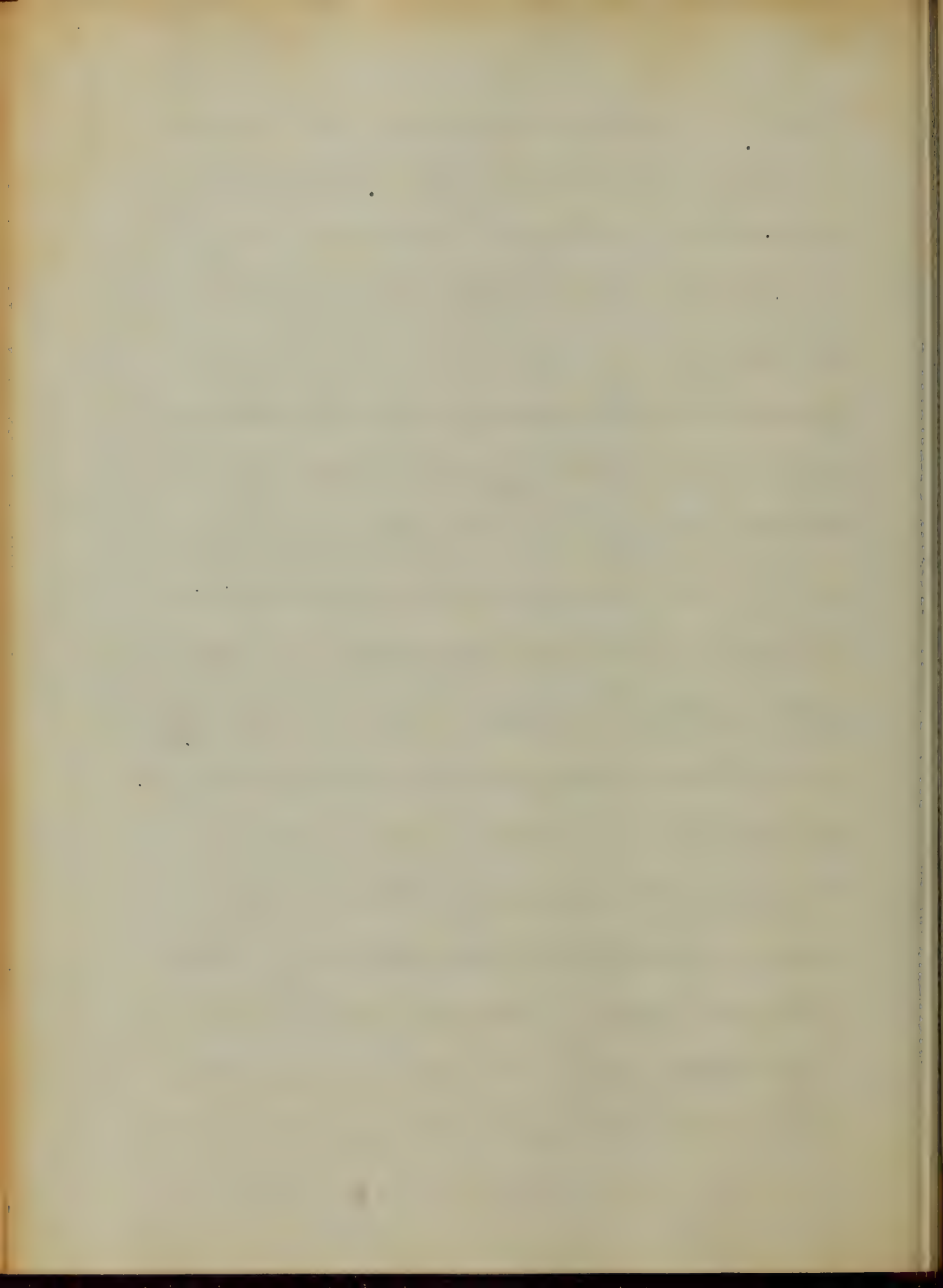


Wagner a distinguished pathologist
 denies that it contains fibrin, but
 consists of epithelial cells ^{which}
 successive generations are pushed
 forward from the mucus surface
 and under the microscope
 appear as irregular ^{blocks} interlocking
 with each other. Cornill, Ranvier
 and Reichle admit that they do
 find fibrin so that it is generally
 considered that this element is a
 factor in their formation. The
 false membrane may appear in
 small patches or form one con-
 tinuous layer, and as the inflam-
 mation extends beyond the larynx, so
 does this false membrane into the

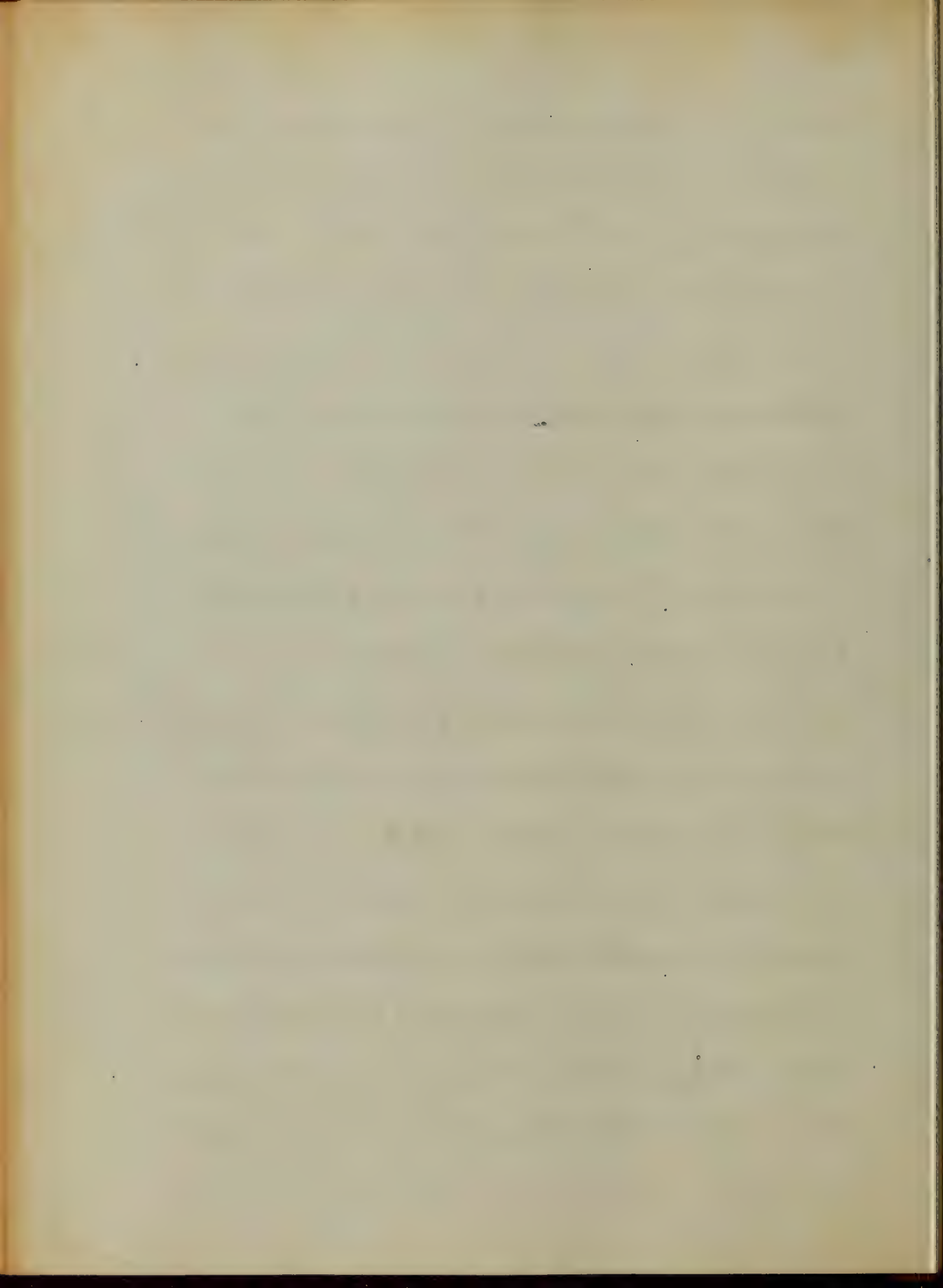


bronchial tubes. In the strong and robust it is firmer and not easily detached. In the weak and cachectic

Symptoms In many cases the disease is preceded by coryza and pharyngitis. At the commencement there is first a dry and suppressed cough, which is reduced towards the close of life almost to a whisper. If the child be old enough to expectorate is scanty in the beginning, and towards the close of the disease, due partly to obstruction of the larynx, and partly to exhaustion. The respiration is accelerated, but becomes slower in the advanced



stages. The fever comes with the
 progress of the disease, there are
 also alternate remissions and re-
 turns of symptoms often with great
 violence, but this should not de-
 ceive the judicious practitioner
 for often it will be his sad duty
 "to dash the cup of joy from the
 fond mother's lips." Auscultation
 proves the existence of rales at first
 sonorous and afterwards moist
 and in some cases dulness on
 percussion with bronchial respi-
 ration indicative of Pneumonia.
 Duration of the disease five to four-
 teen days. Death may result from
 obstruction of the tubes by mucus.



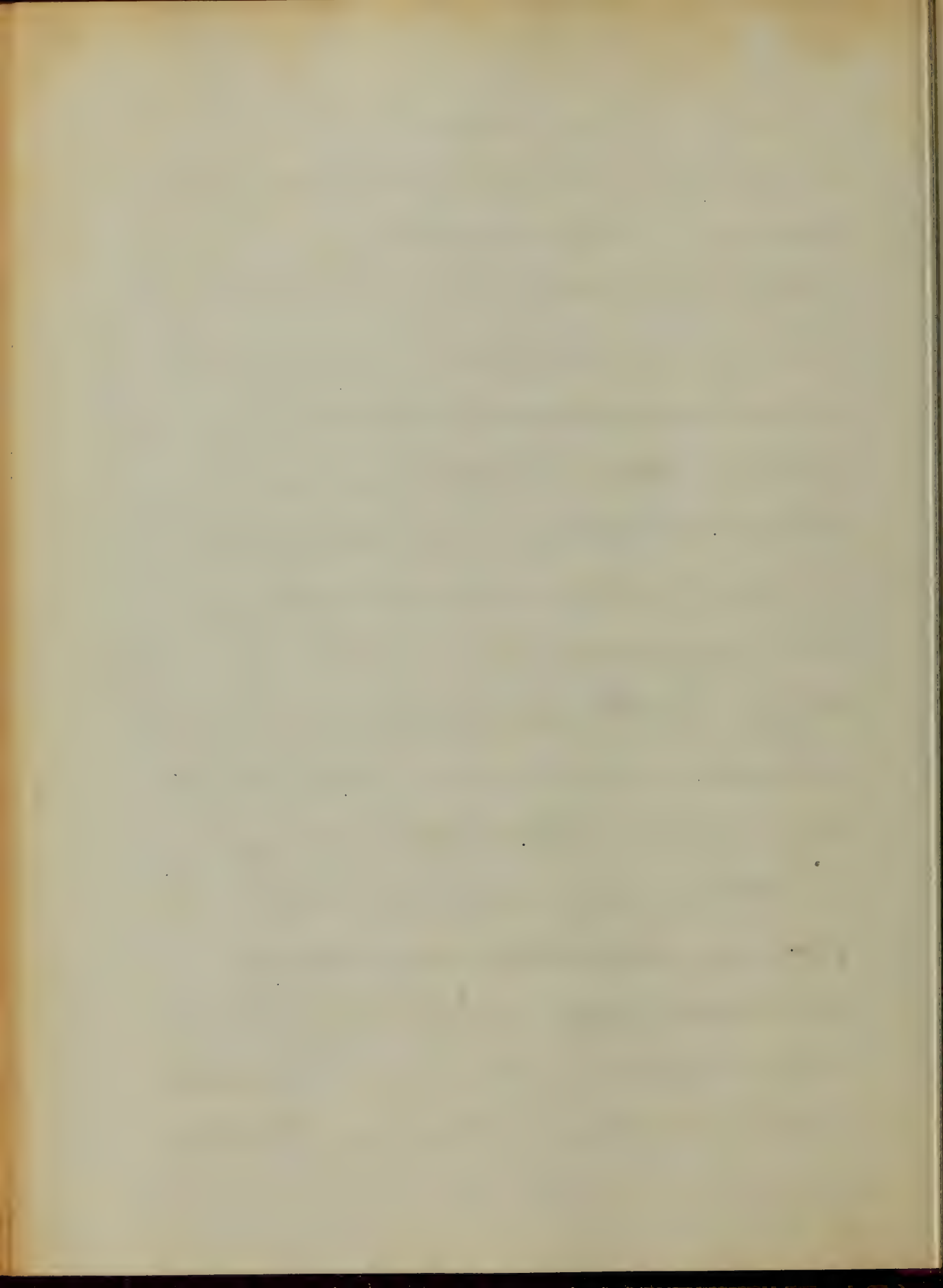
from thickening and submucous infiltration, or from exhaustion.

Pathological Character.

ation is similar to that of other mucous membranes, with a nervous pathic element, formation of a false membrane, and the blood is dark colored from want of oxygenation.

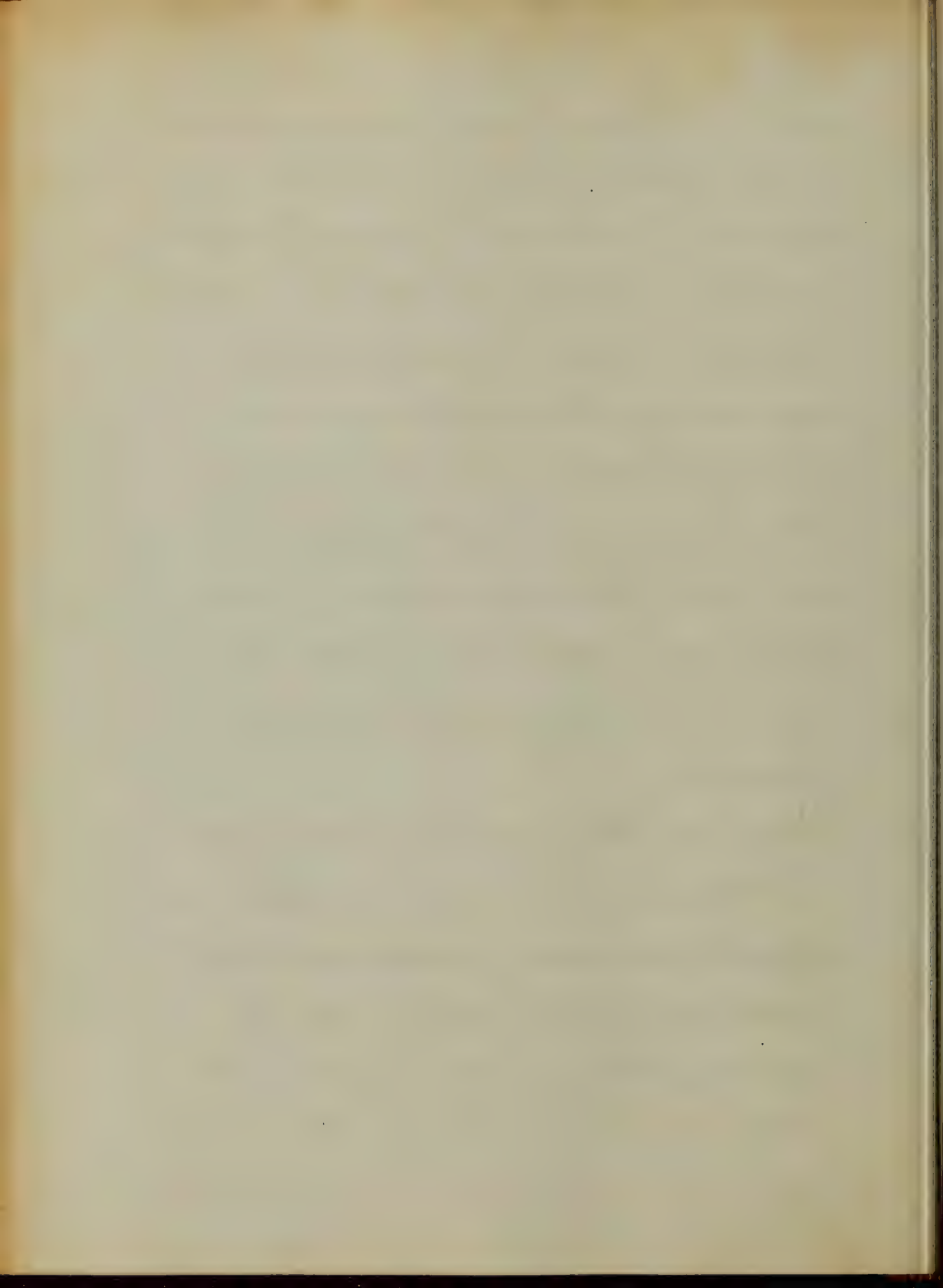
Diagnosis Comparatively easy, the diseases with which it may be confounded are Spasmodic Laryngitis and Laryngismus Stridulus.

False croup, attack is sudden and at night, in the true, gradual and a false membrane is formed which is always absent in the false.



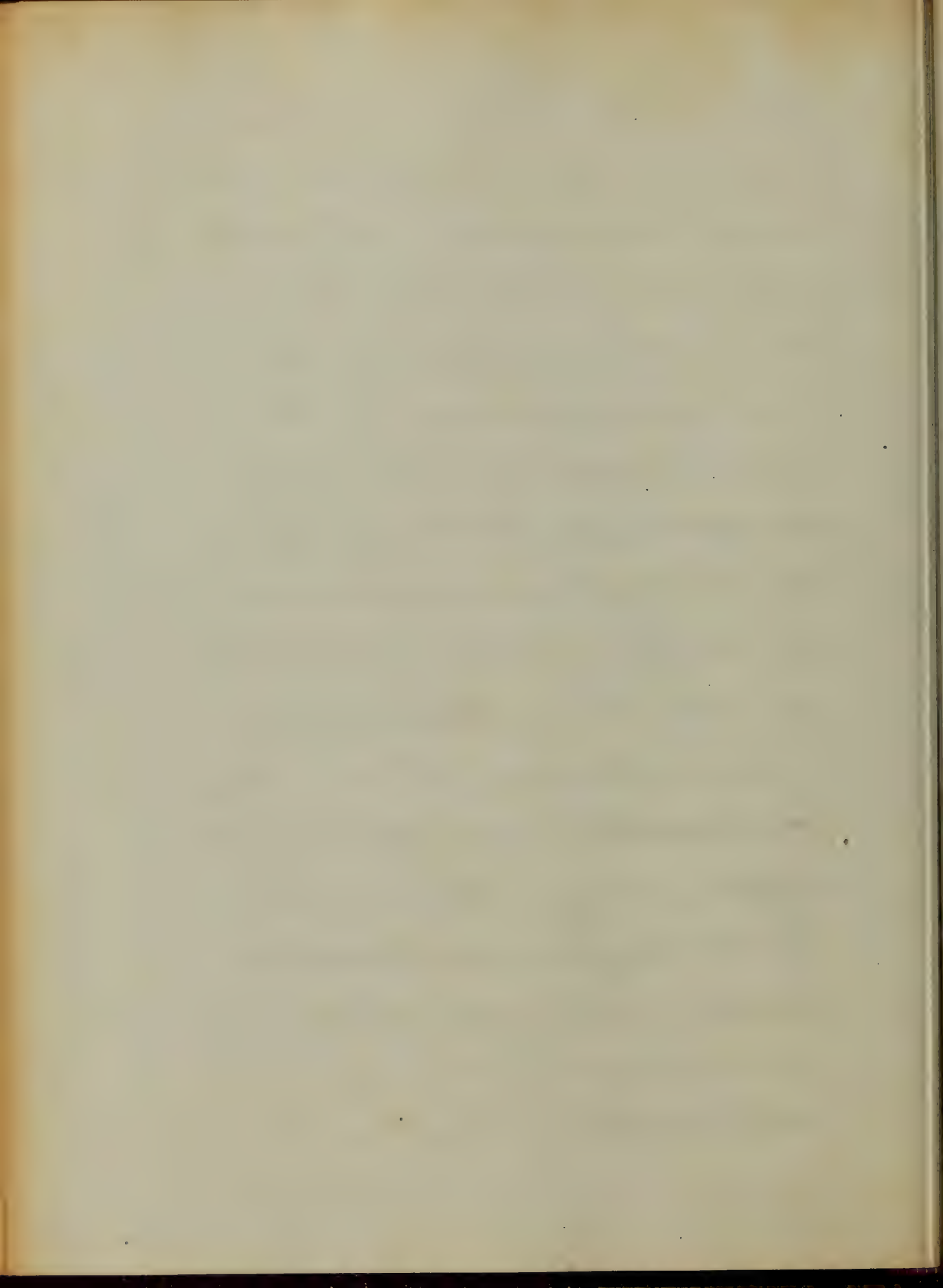
100
Larynx, as also is the hoarse voice and
stridulous breathing. From Laryngis
mus Stridulus by this affection being
a purely nervous one, by its sudden
occurrence without the fever and
other symptoms characteristic of
Pseudomembranous Laryngitis,
and with the occurrence of mus-
cular relaxation, all evidences
of a morbid condition here dis-
appear.

Prognosis The great mortality from
True Croup is universally acknowl-
edged, still with judicious treat-
ment there are cases which
recover, and we are forced to the
conviction that large success



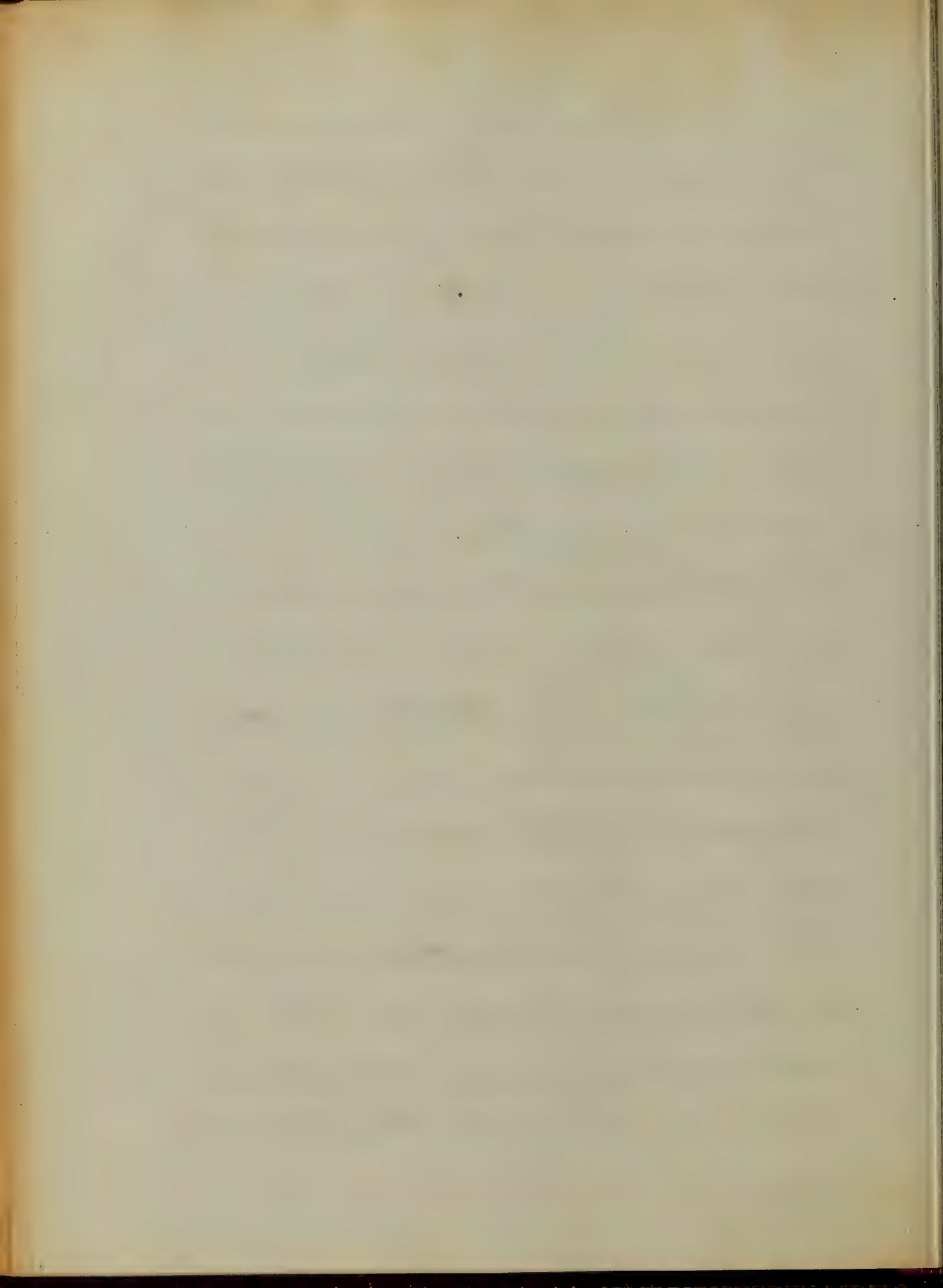
in the management of this disease is not owing to want of skill, but to error in diagnosis. Accelerated respiration, increase of the hoarseness, and great dyspnoea, are all unfavorable signs, while restlessness, somnolence, and lividity about lips, fingers and toes, all indicate the near approach of death.

Treatment. There is a wide difference of opinions as to the management therapeutically, and hygienically, of this affection the terror of all its victims. Emetics have

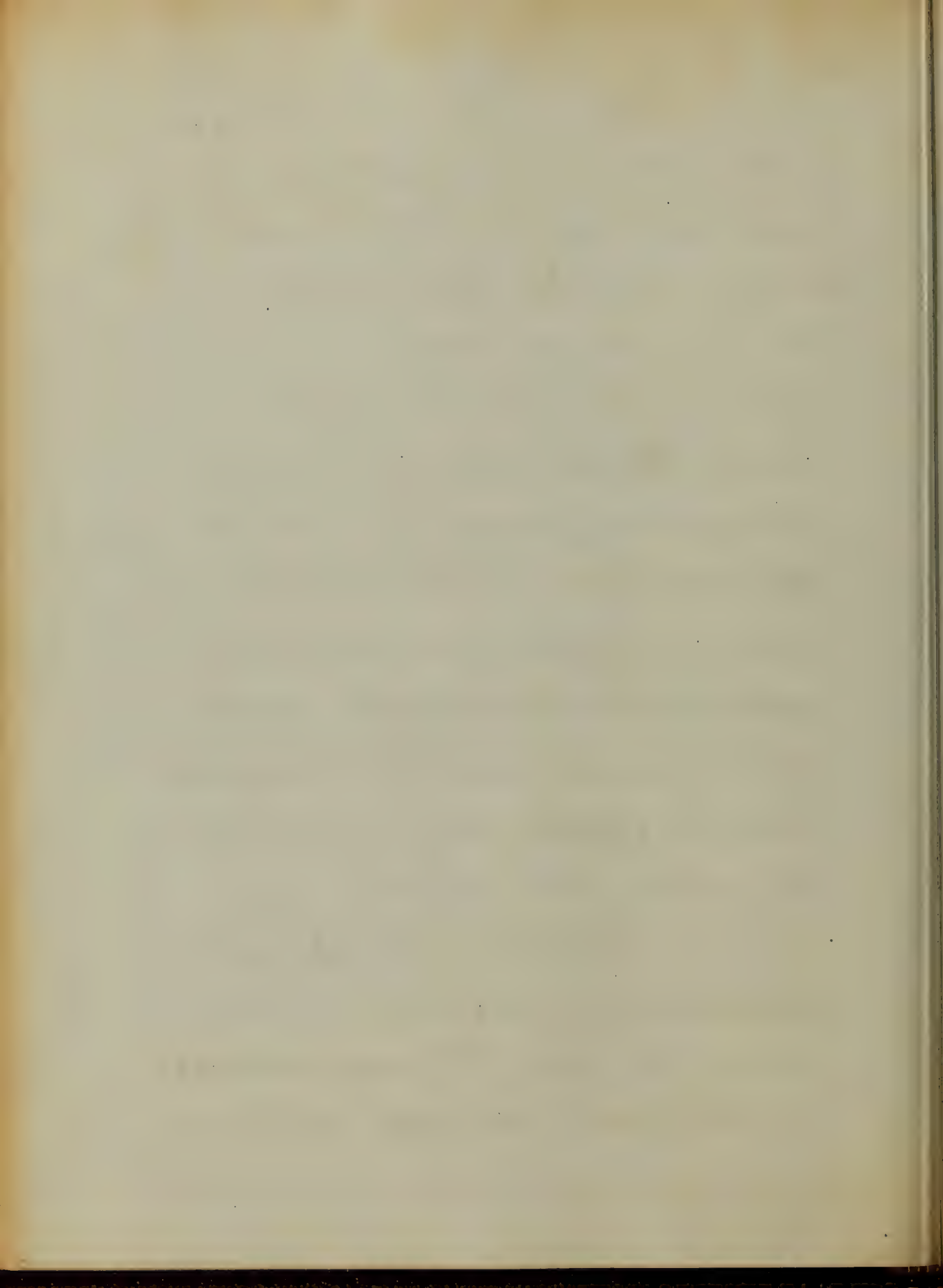


been and are still used with excellent results, but indiscriminately exhibited have been productive of much evil. Their action is exclusively mechanical and they have no effect in promoting the dissolution of the fæces.

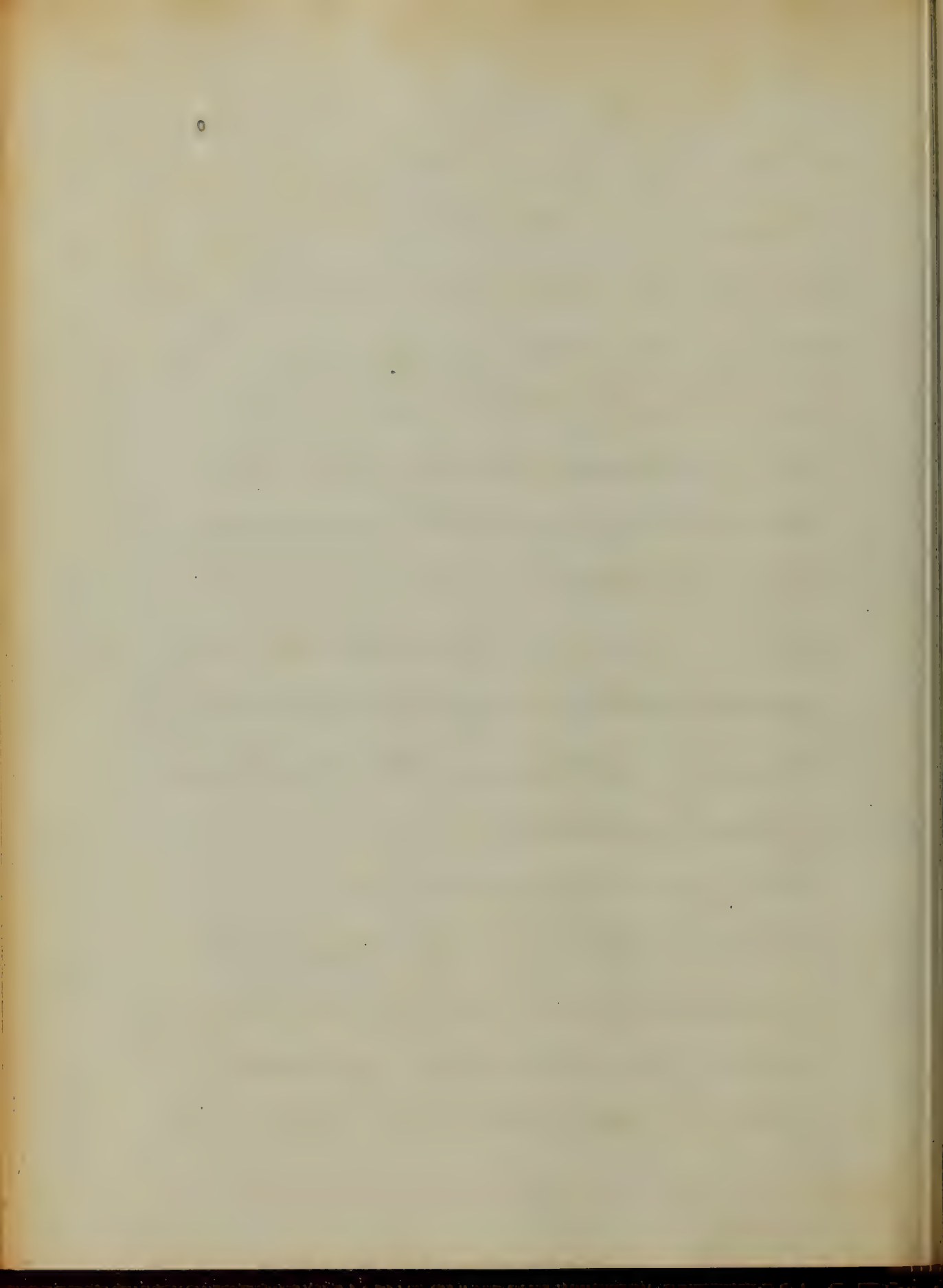
What then are the indications for the employment of these agents? As a rule the depressing emetics should not be used, especially if the subject is feeble and the cramp is secondary to Cholera or Scarlatina, but the primary form at the very commencement, and the patient is in good health, Theseac and



Tartrate, Antimony and Potash
 varying doses. In some cases
 tic and in the secondary
 form of croup. Yellow Sulphur
 set of antimony or Cupri
 Sulph. When the child is un-
 der three years of age
 the disease in its initial
 stage, Speeus Syr. in q. s.
 with or without the Sulph.
 of Alumina, and Potash, every
 ten or fifteen minutes until
 the required effect is pro-
 cured. Veratrum Viride and
 Aconite as cardiac sedatives
 may be used to advantage
 if the fever be high and pulse



be rapid, but only in the primary
form, during the first two or
three days and before the forma-
tion of the false membrane. But
unfortunately these agents are
often unsuccessful, to what then
can we resort with some hope
of benefit? According to many
writers, salivary produces a
great alleviation of the symp-
toms, by relieving the dyspnoea
in some unknown way, tho' it
does not break up the false
membrane, and consequently
if this agent is urgently
called for, the fear of sali-
vation should not deter



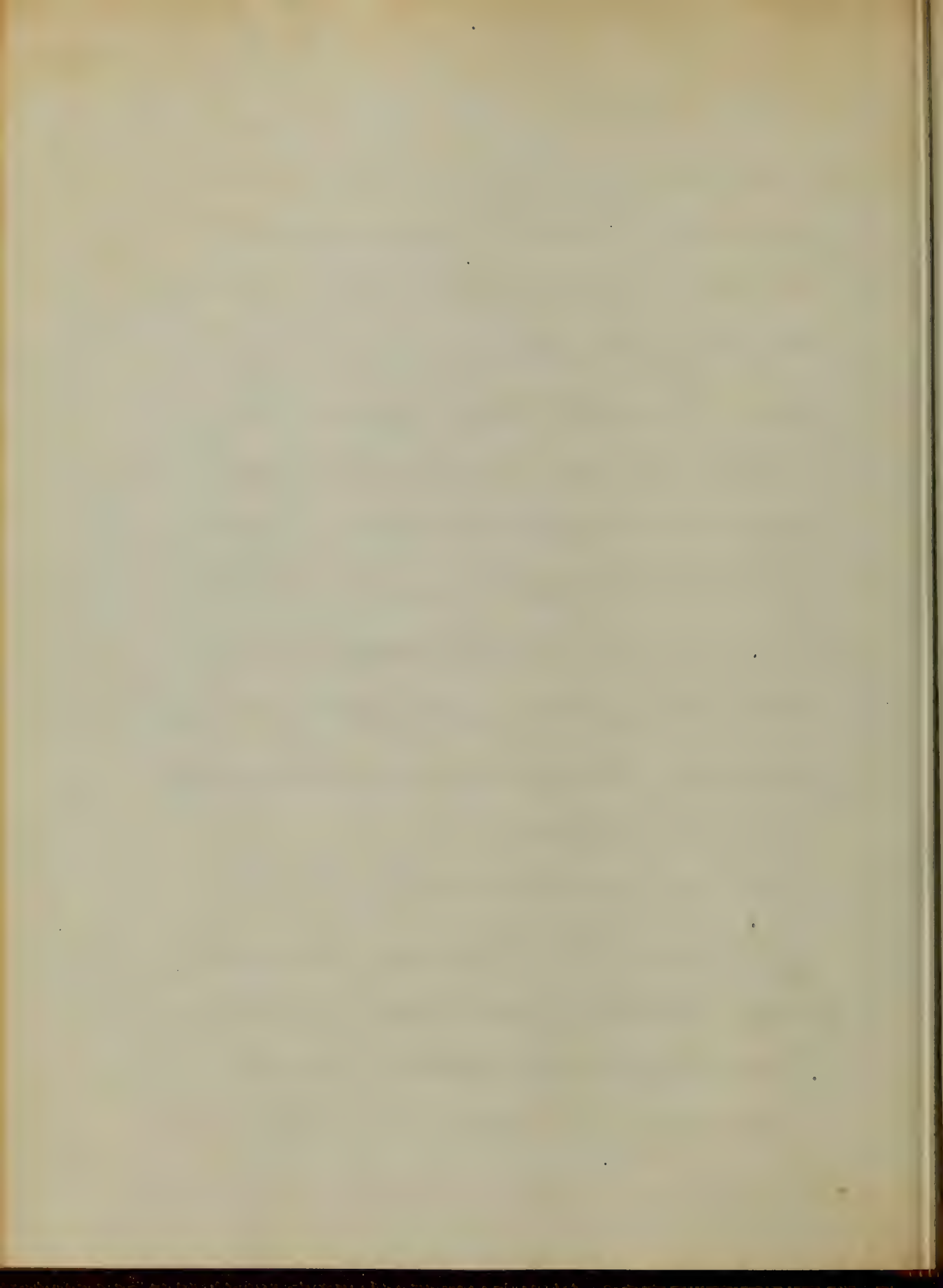
19

us from using it, where the
dyspnoea is protracted and
accompanied by croupal cough,
combinations of ~~the~~ ~~and~~
and Potassa Chlorate are
beneficial. Inhalation of steam
promotes expectoration and
loosens the cough, inhalation
of lime also has been rec-
ommended. When dyspnoea is
very great, the Cupri Sulphate
is one of the best agents
at our command. But to
whatever plan of treatment
we resort the grand object is
to support the flagging
vital powers this to be.

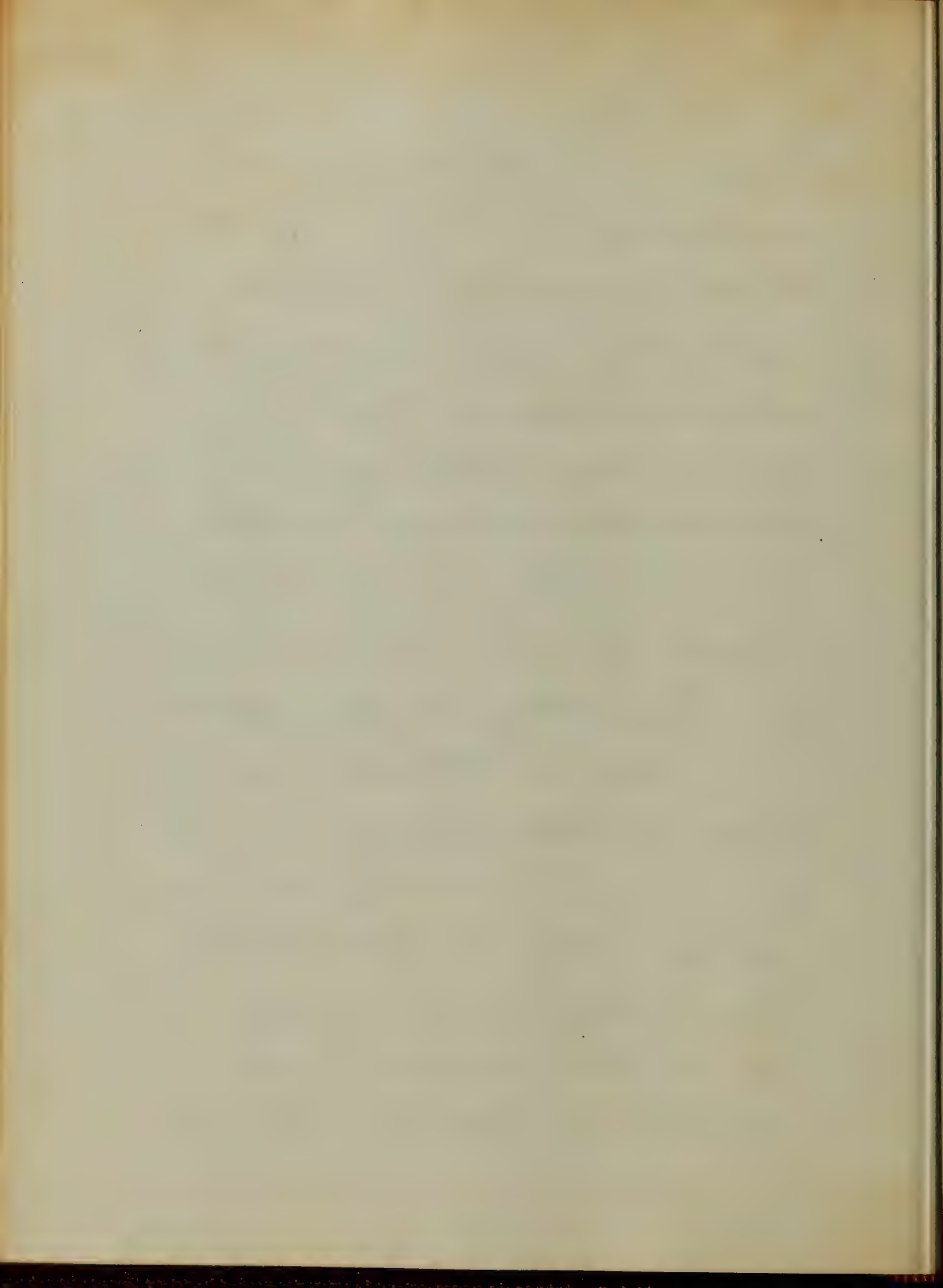


accomplished by beef tea,
 whey and fresh air, until the
 detachment of the membrane,
 Are local applications beneficial
 and if so of what character?
 Poultices, cold, and irritants,
 all have their advocates,
 but cold says Smith. These
 are preferable, except in
 the secondary croup where
 warm fomentations are often
 more effectual.

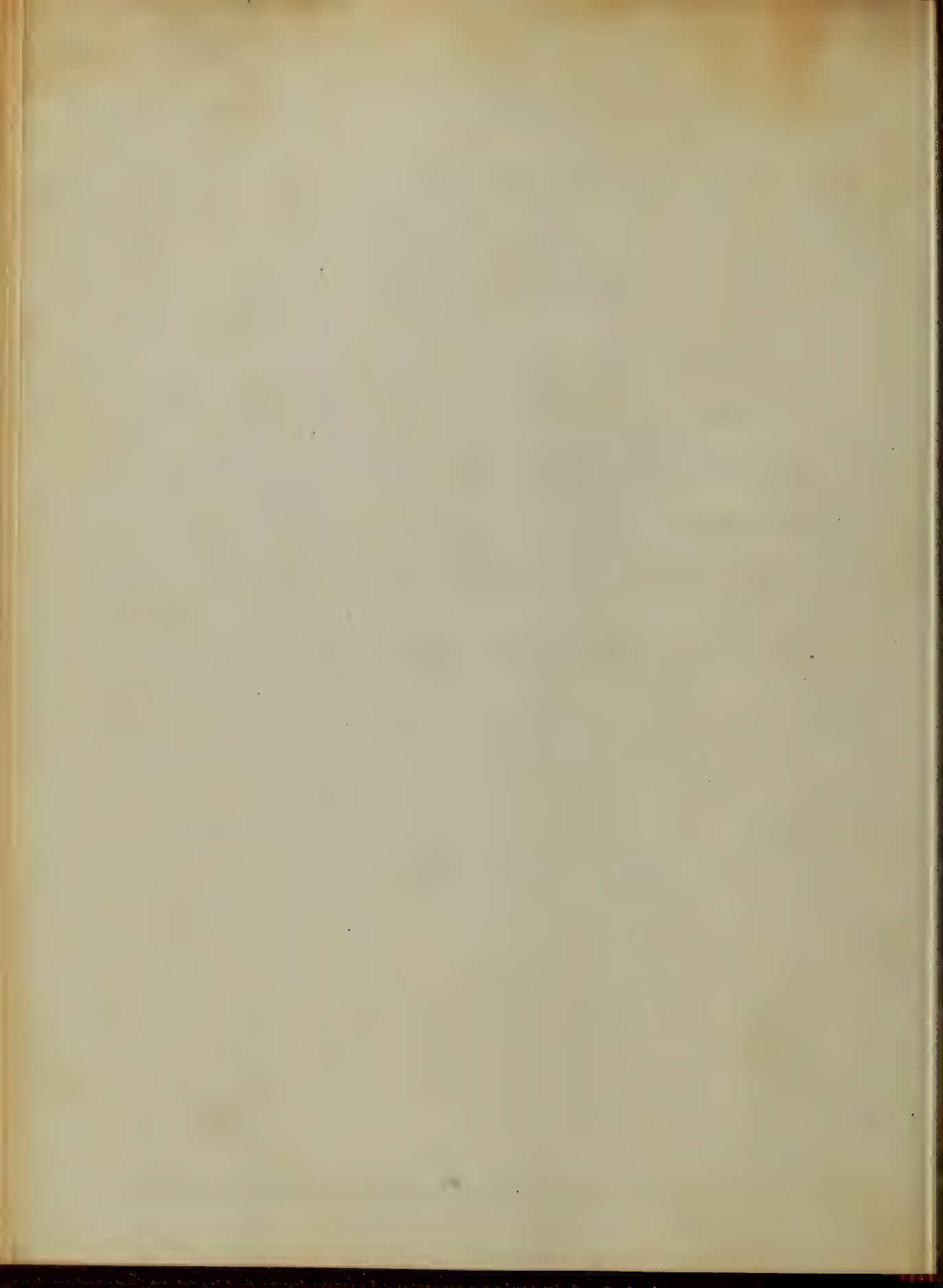
Topical applications to the
 fauces and larynx, consist
 ing of solutions of Argenti
 nit, Carbolic acid, by the
 atomizer are beneficial.



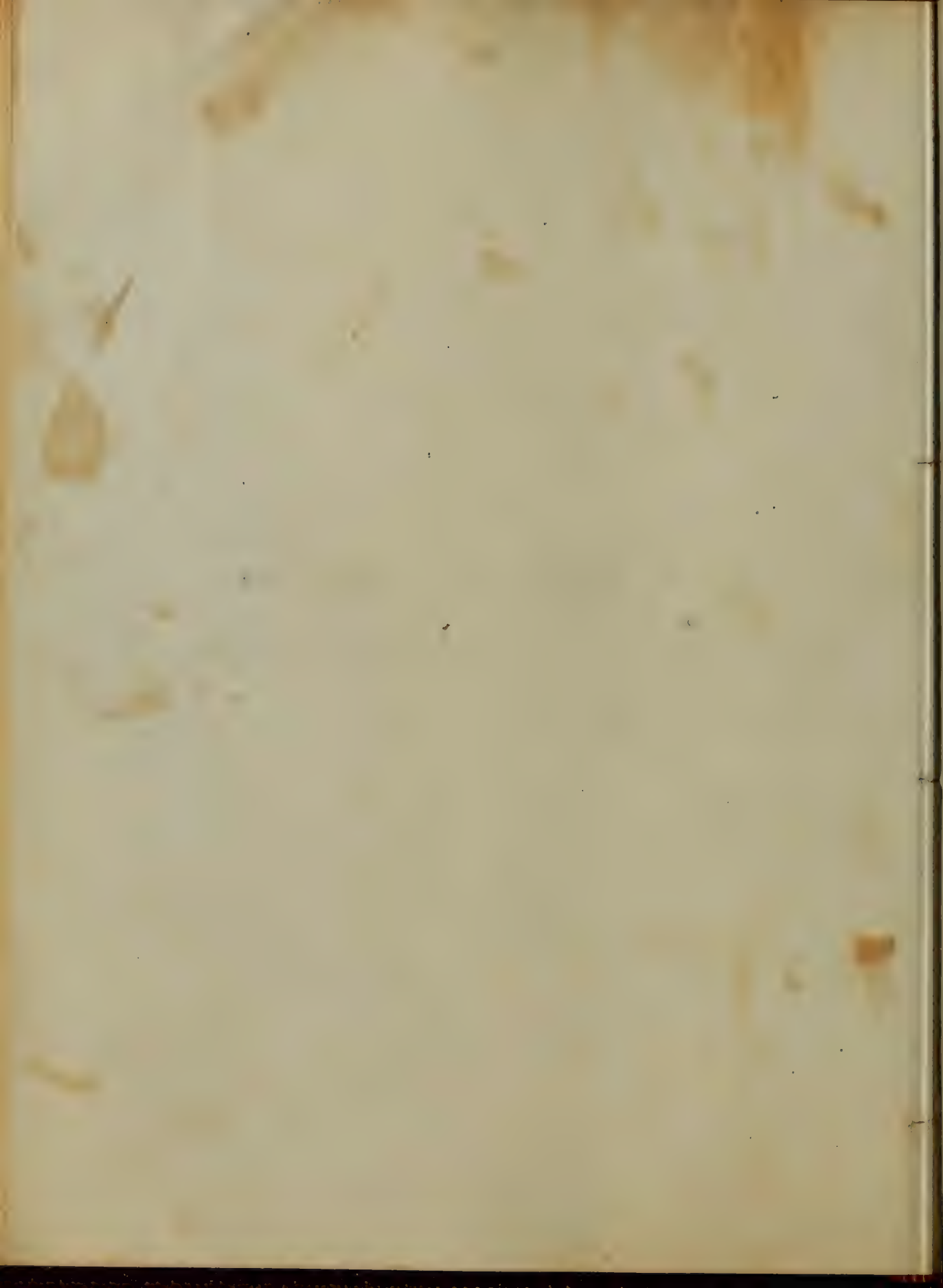
Of after the faithful and
judicious criticism of all
these means, and yet our
efforts prove unavailing,
does modern science
afford any other agent
by which we can instil
yet one lingering hope
into the mind of the suffer-
er? Fortunately for the afflict-
ed it does, in the perform-
ance of Tracheotomy. Can
and ought we to avail our-
selves of this a last resort,
or are we to quietly gaze
upon the tortured one
striving to inhale the life.



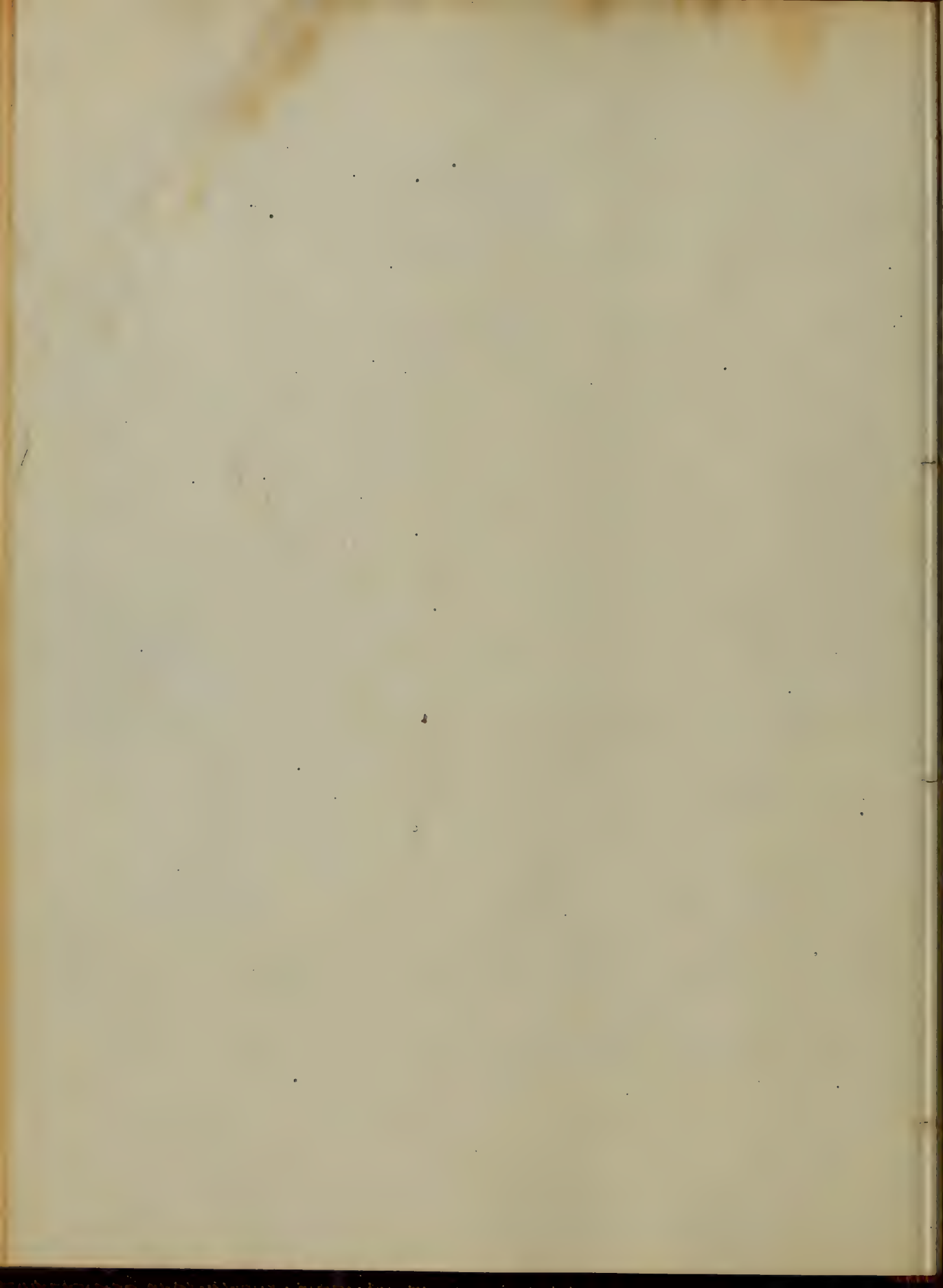
giving principle. The majority
of writers say not, and not
withstanding its fatality,
especially in those under
three years of age, yet he
must indeed be cruel, who
without any effort allows
the grim monster death
to cut down its victims.



Received of
Messrs. McQueen & Co.
of the City of New York
the sum of \$1000
for the year 1874

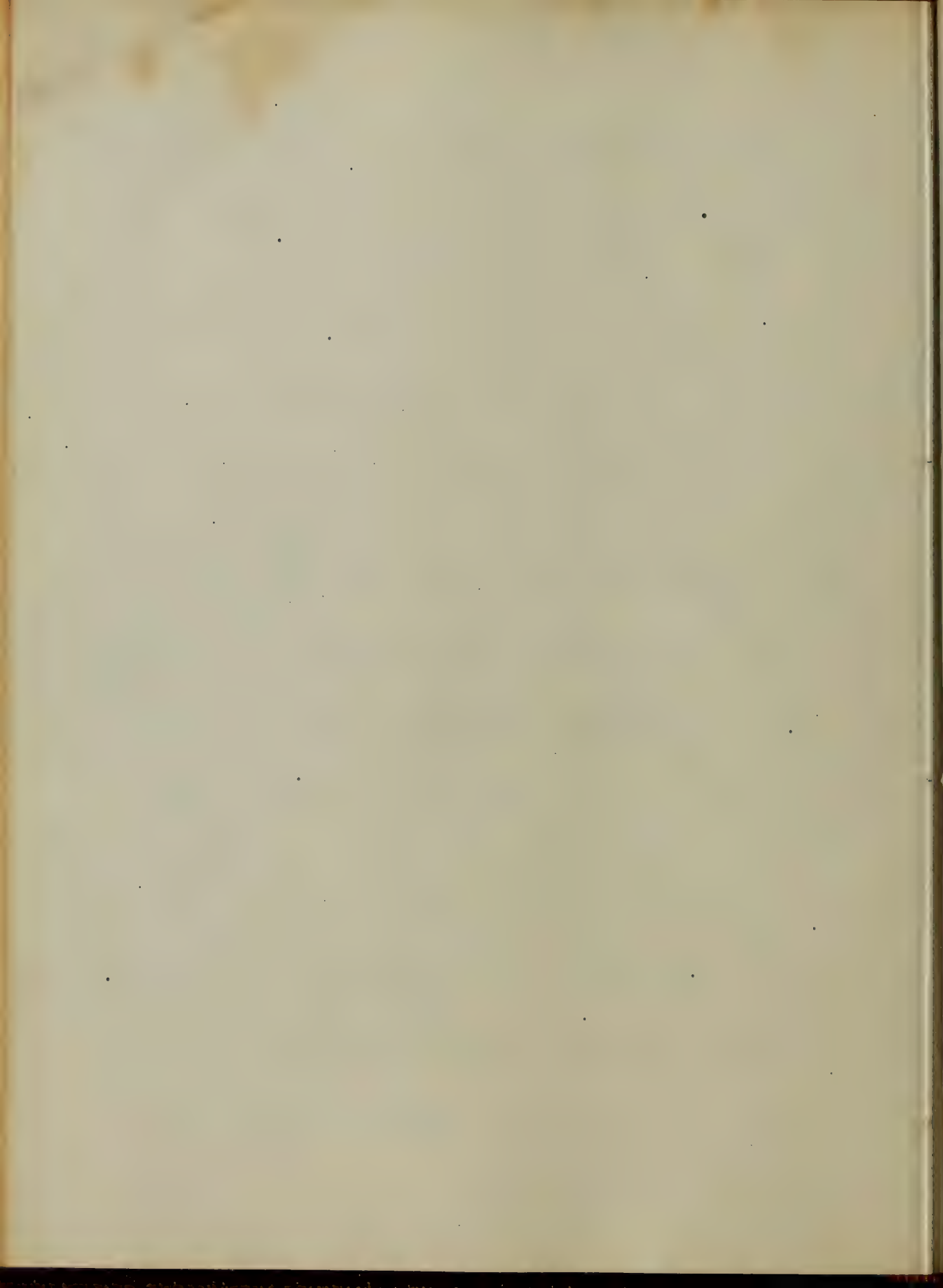


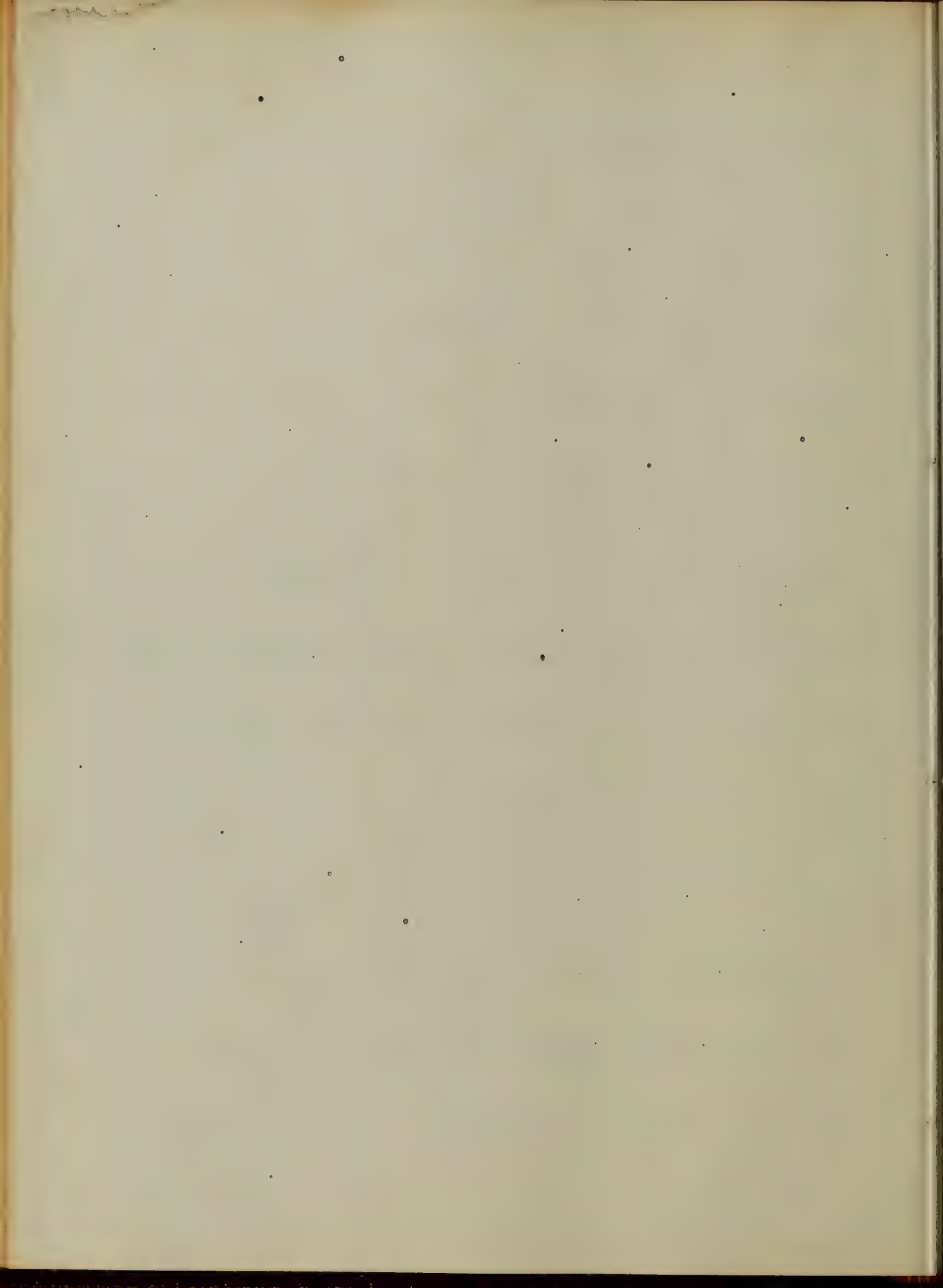
...
...
...
...
...
...
Intestine and the Pancreatic
Glands - The first change
occurring in the patches of Pan
and Solitary glands is enlarge
ment Pan & ...
in the ...
the enlargement is considerable



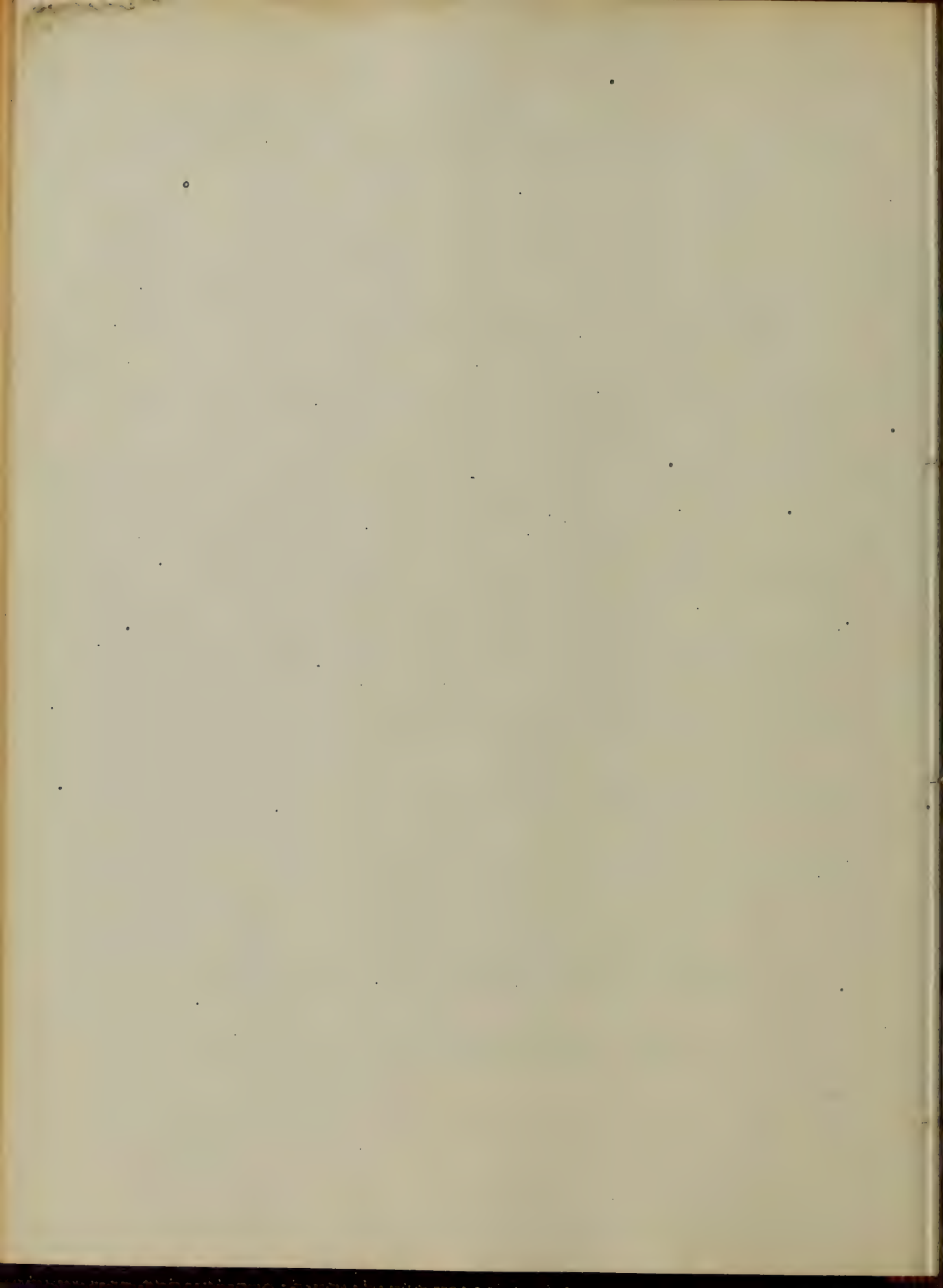
above the adjacent mucous
surface. The enlargement is
chiefly due to hyperplasia of
the cellular elements within
the choroid vessels which form
the barrier and sclerotic part.

The mucoid membrane
the affected patches is of a
pinkish or purplish hue. The
corresponding portions of the
posterior eye are much red.
The patches are usually in-
sated to the touch, sometimes
and at other times



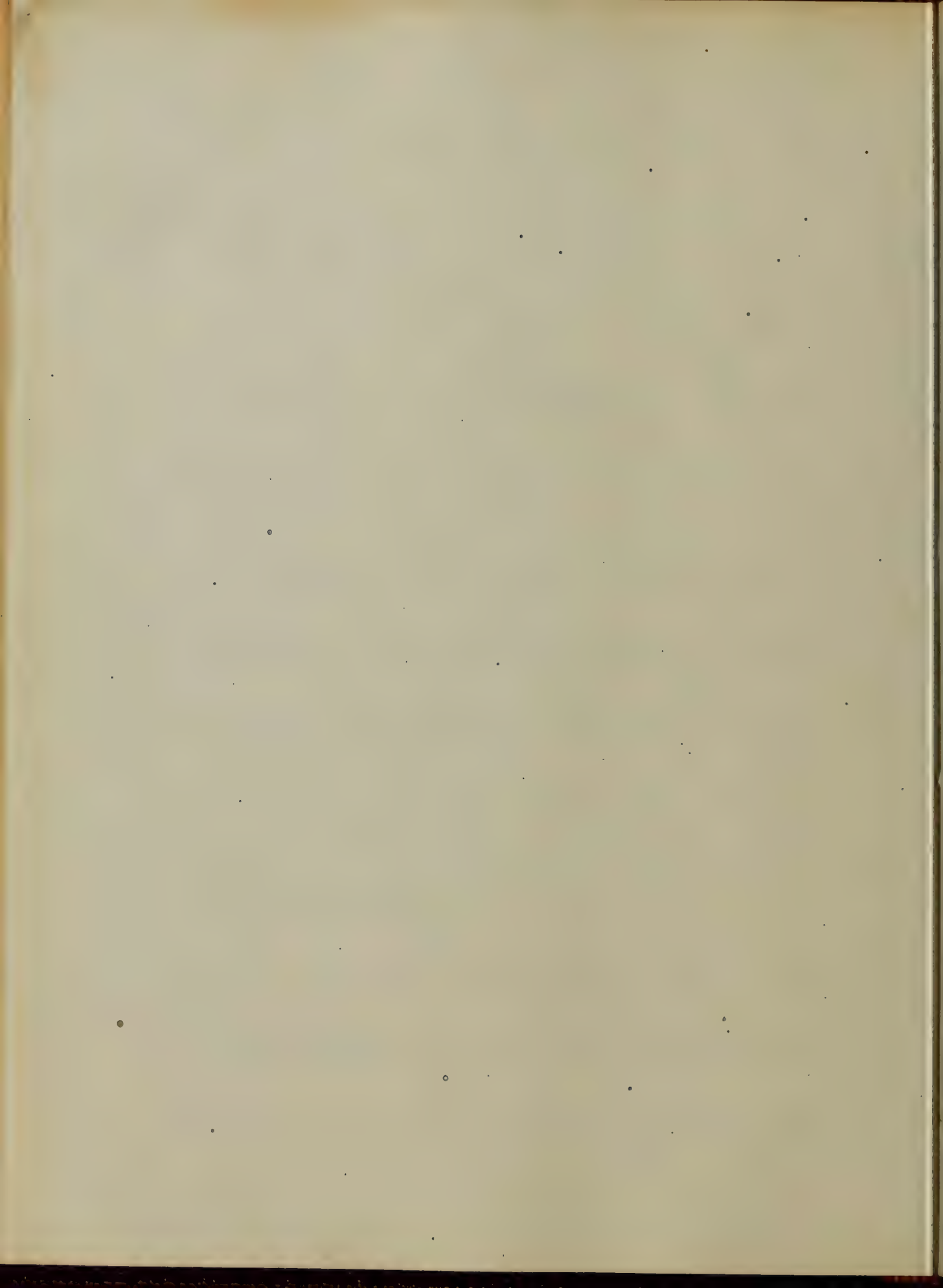


The patient is not very ill,
as a rule, it is treated
gradually. The disease
stage lasts for about a month
or two before it reaches the
critical period. In some cases
it is fatal. The face in the
early period of the disease is
more or less flushed, and
in extreme cases is
or intense oppression the surface
presents a slight or moderate
congestion the redness disappears
on pressure but returns.

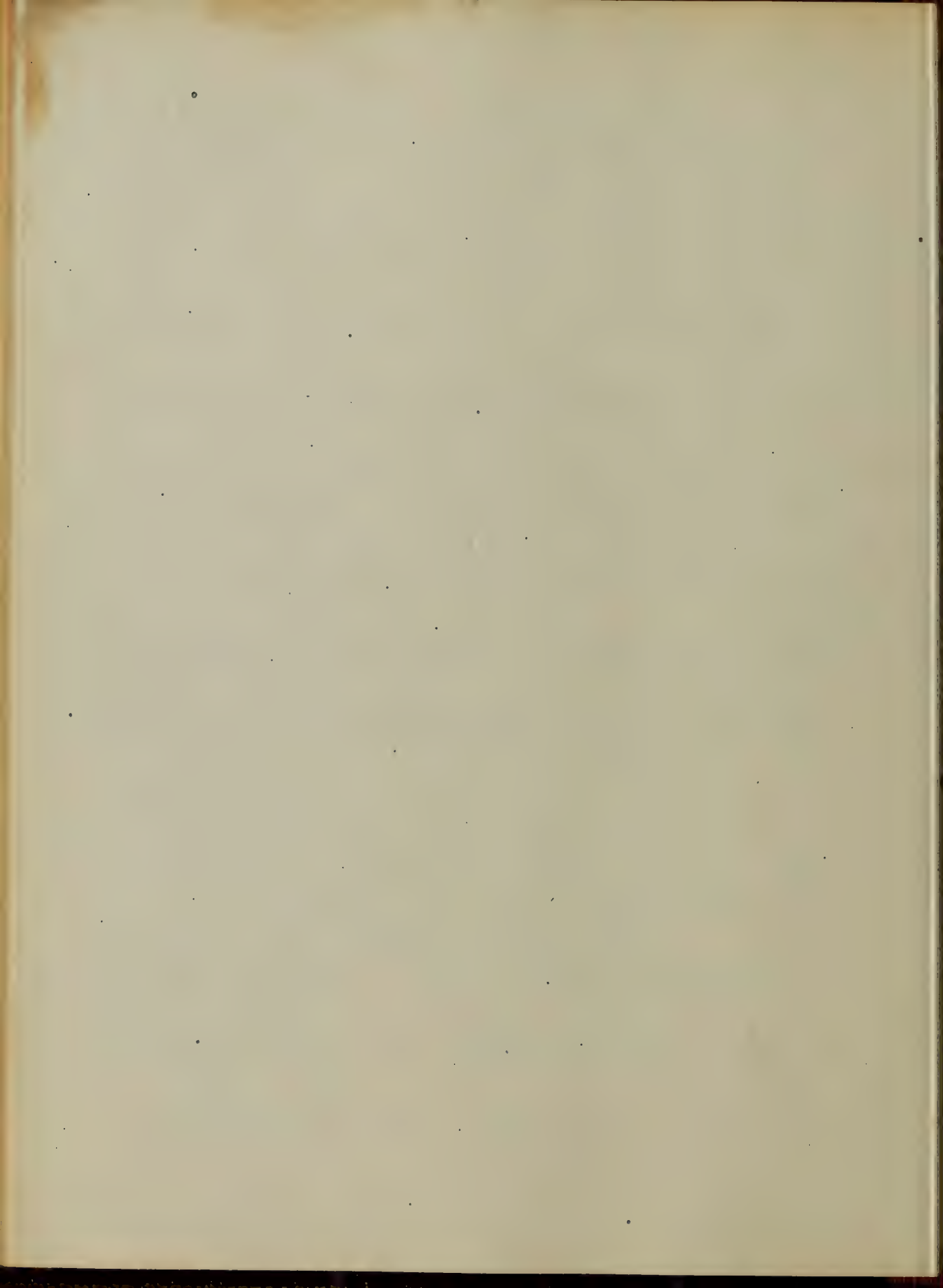


... ..
... ..
of
...

The generally
... ..
be or
is often covered with a
coating more or less
it may be
brownish or
The surface of the tongue
is sometimes
ed or glazed and dry
and
of the tongue is sometimes

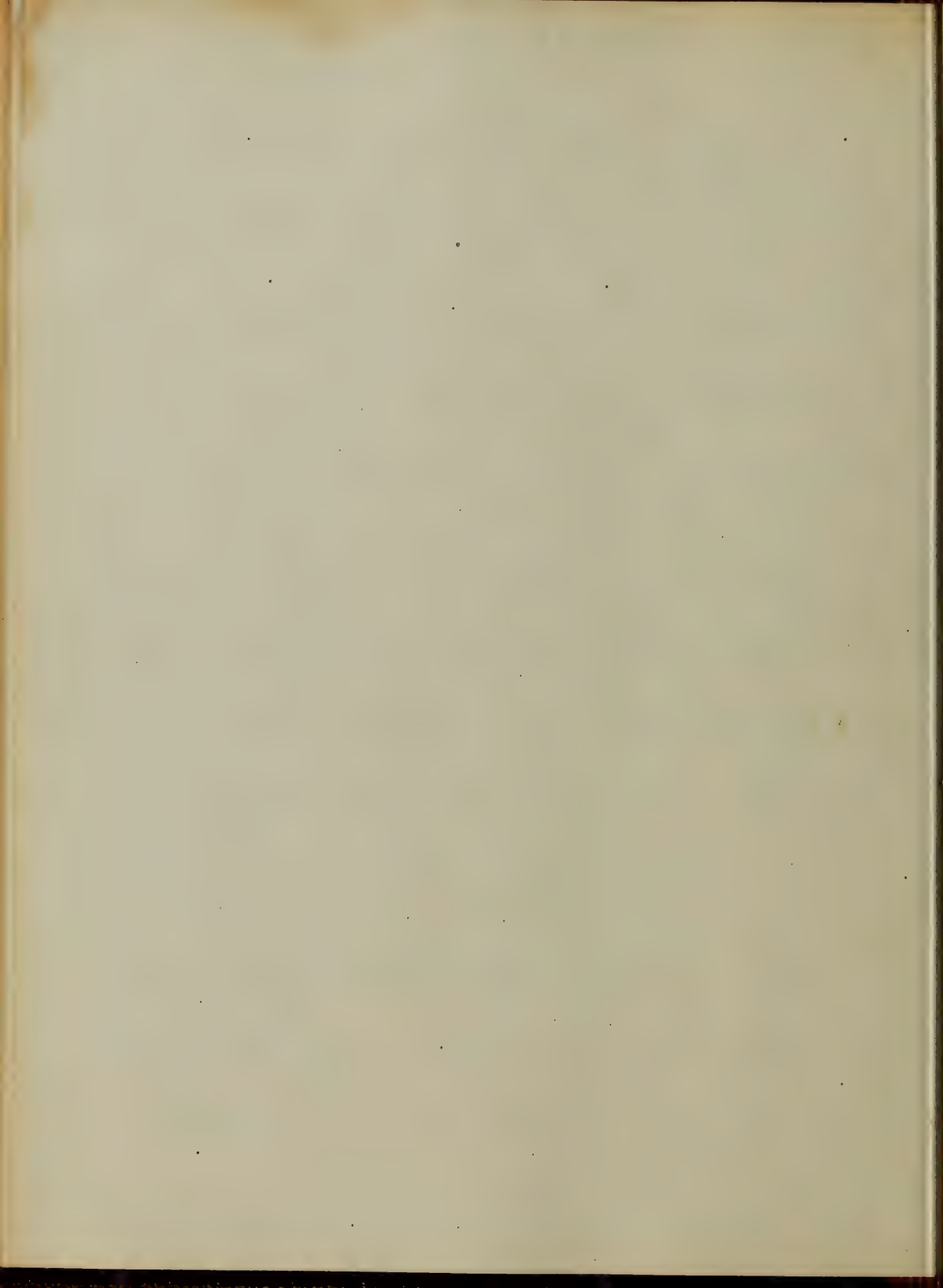


one sees the same kind of a
soreness on the left remaining
from the gun's discharge or
looseness of the bowels exists
in the great majority of cases
and hemorrhage from the bow-
els occurs. Other abdominal
symptoms are meteorism or
distention tenderness or
pain on pressure and pur-
ging in the right iliac
region and resonance on
percussion from the presence
of indurated gas frequently
there is also a small
tumor sometimes tympanitic.

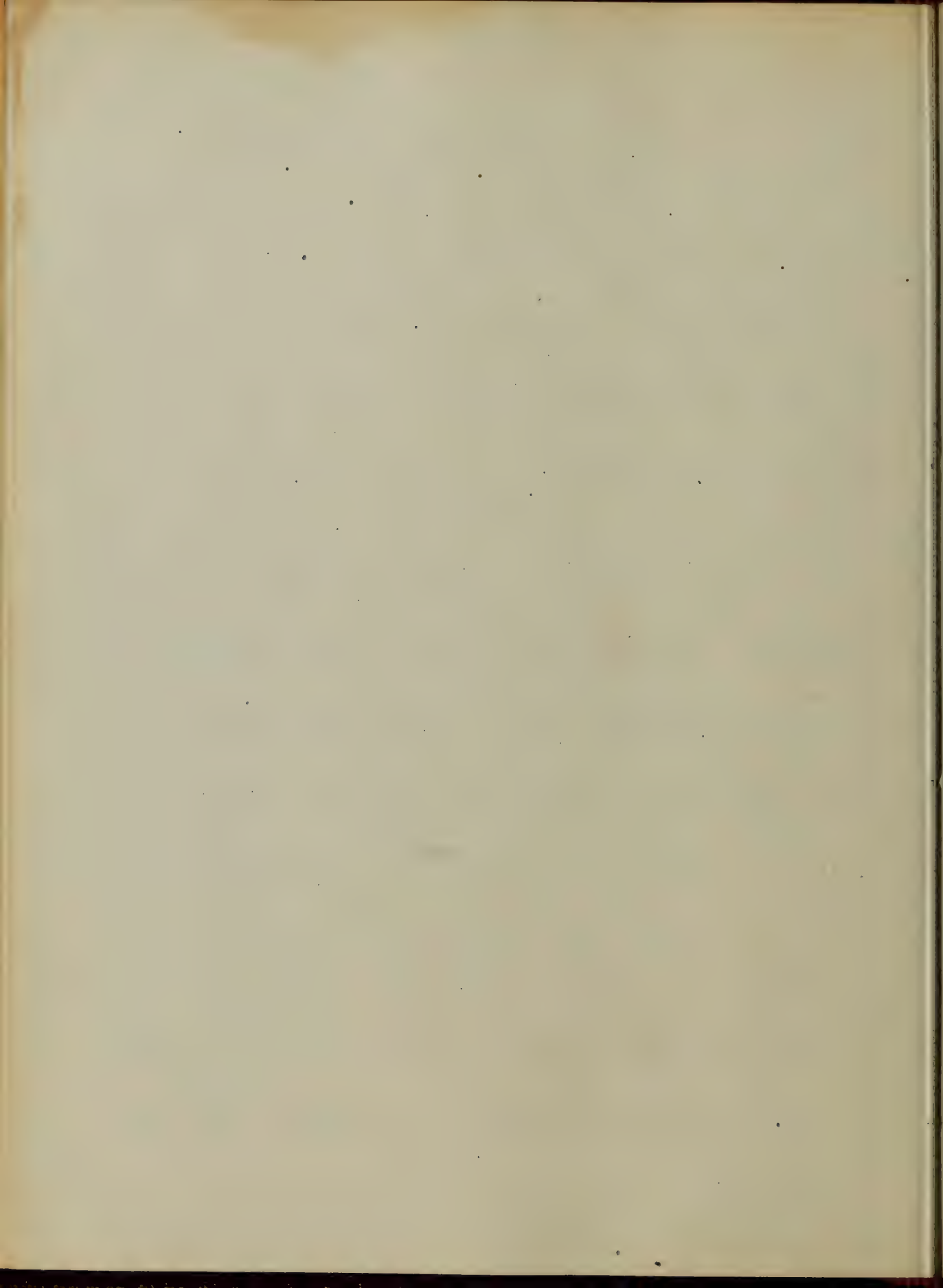


... in ...
 ...
 in ...
 ... of the ...
 and ...
 occurs ... in the ...
 or during ...
 the ...
 ... which is ...
 developed abruptly.

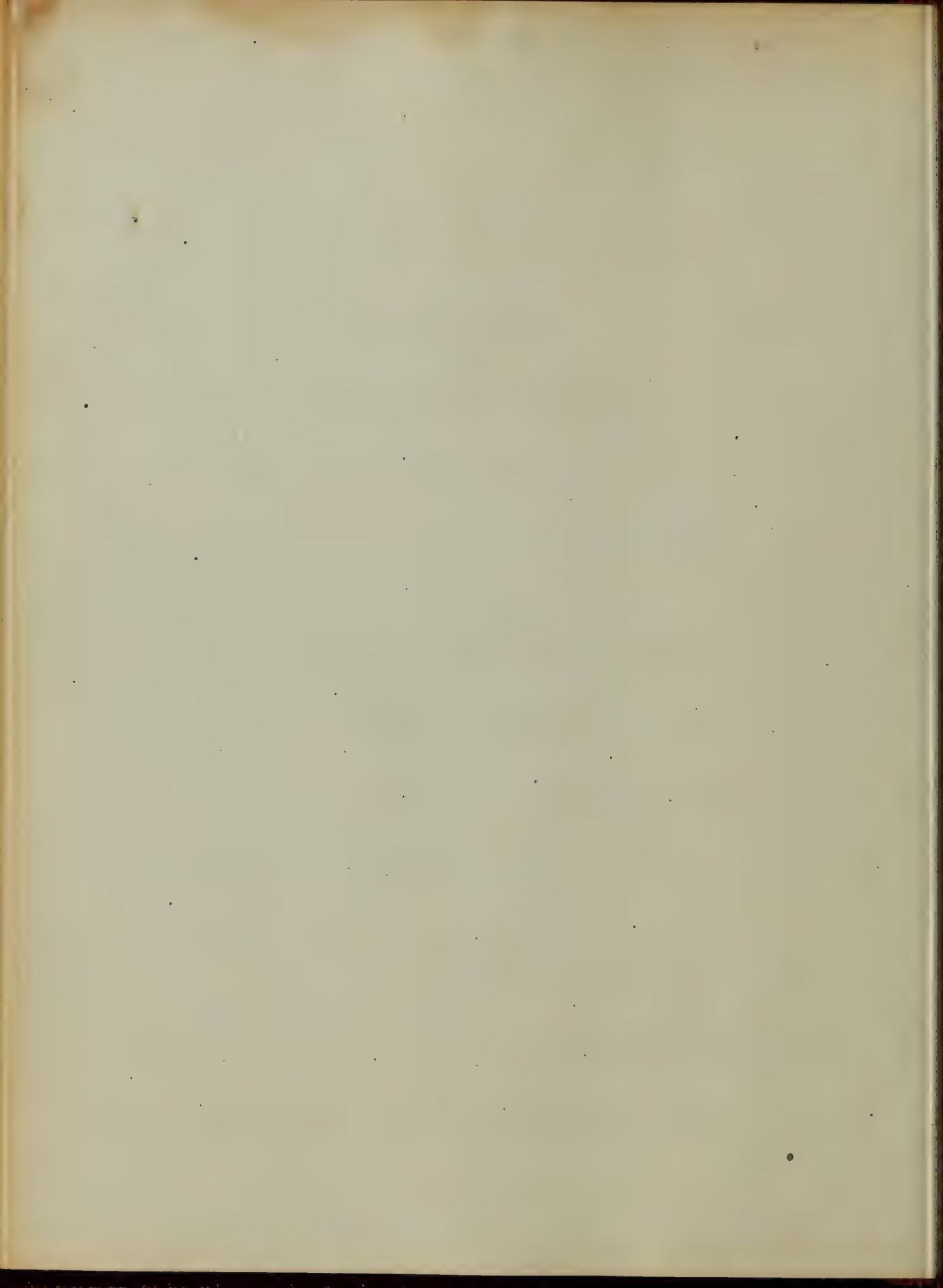
Of the symptoms ...
 ... the most important
 is the ... eruption.
 the eruption consists of ...
 ...
 ... of a rose ...
 ...



The distinctive points in the clinical history which are distinctive of typhoid are as follows: the gradual development the absence of marked morbid discharges the abdominal symptoms the heat which is colored by typhoid typhoid tenderness in the iliac regions and gurgling occurrence of epistaxis and the characteristic eruption in a



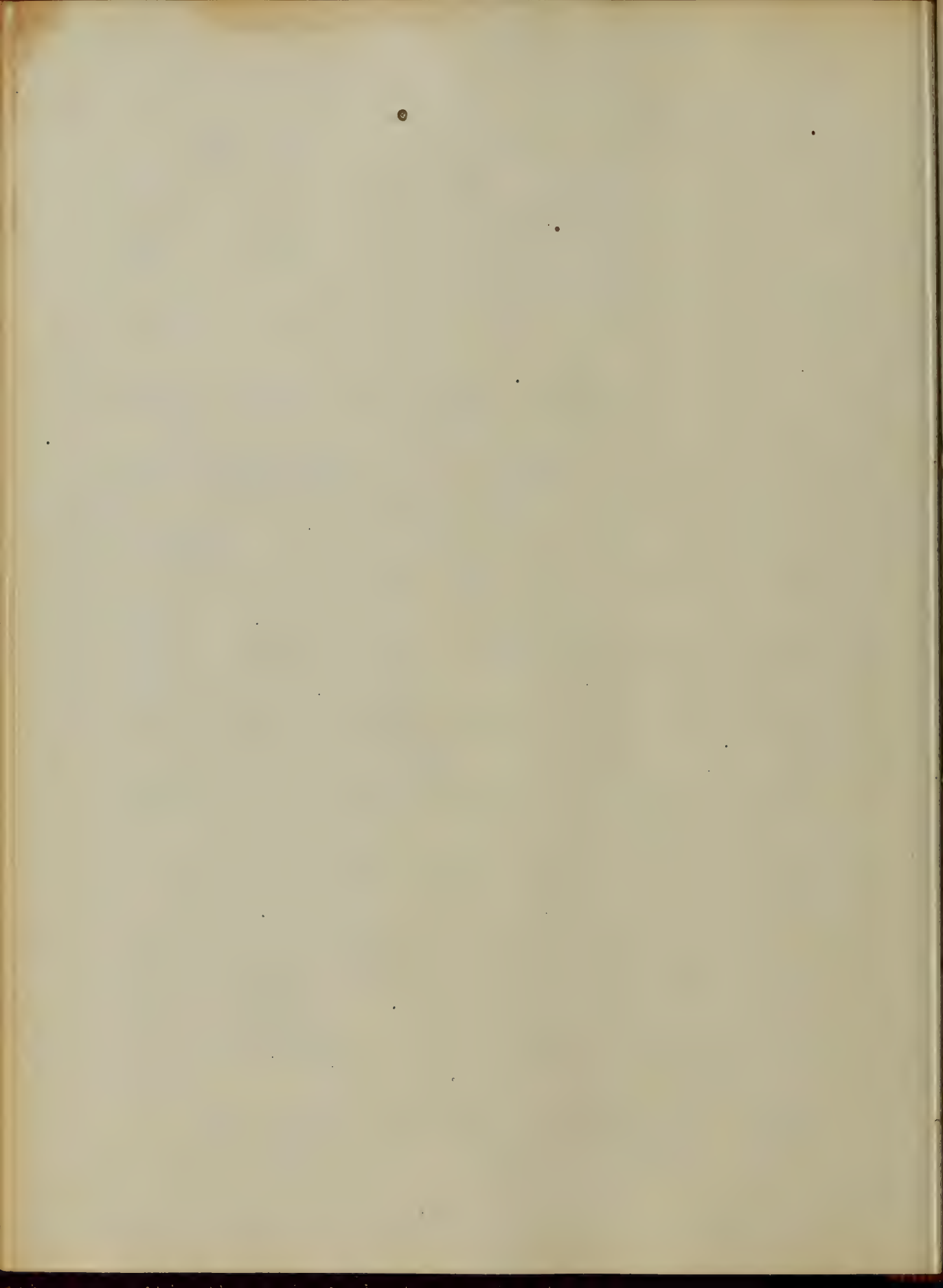
very high, a great deal
may be necessary to
bring it to a certain degree
this disease is characterized by
a progressive increase
and for the first three or four
days it may reach to 103° during
the second week. The local
dissections which typhoid
fever is liable to be
confounded with are
Peritonitis, Proctitis, Pneumonia
Acute Tuberculosis, Enteritis
Acute Meningitis as
distinguished from this disease
is characterized by intense prostration



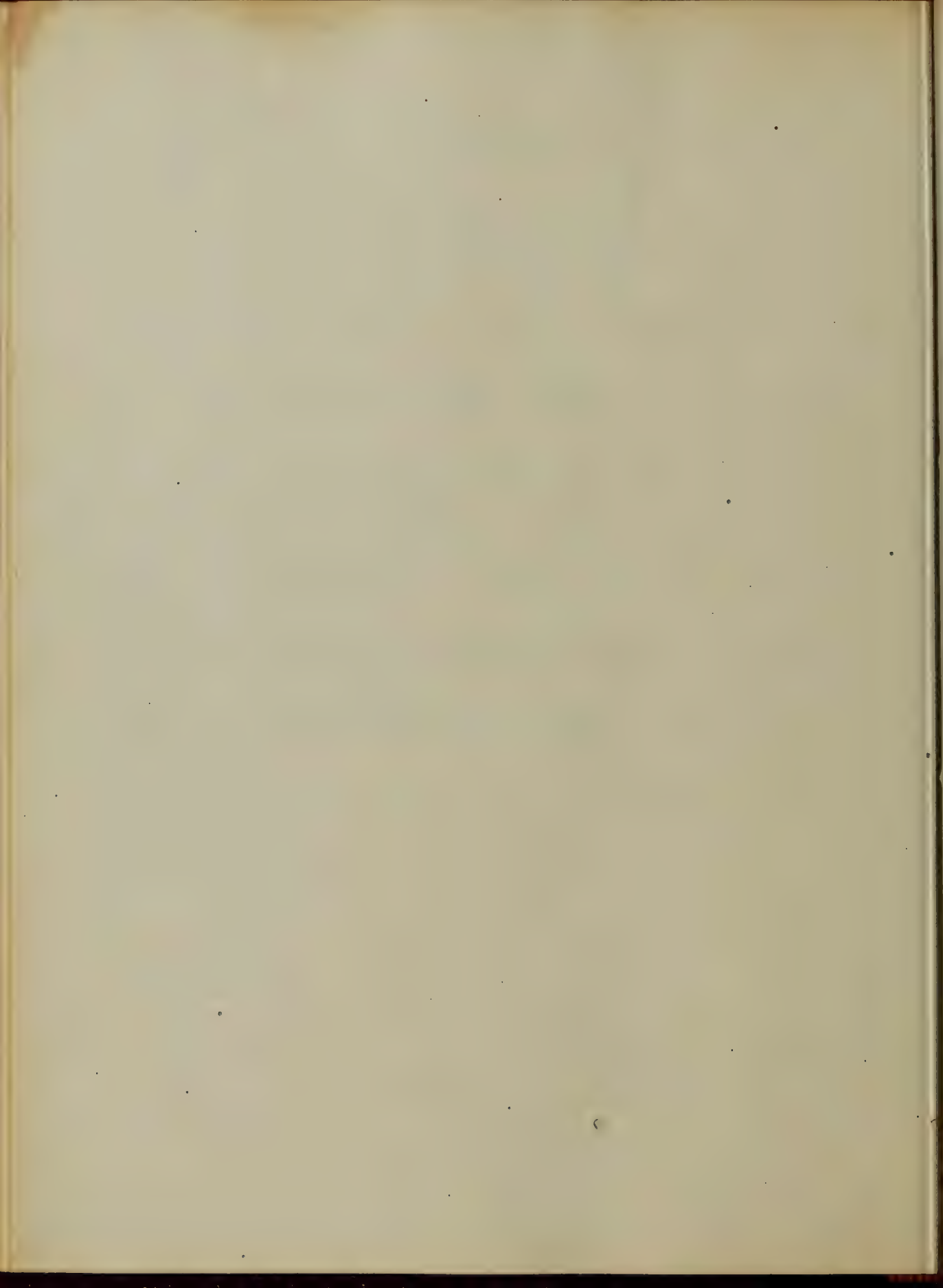
...the existence of ...
...by ...
...

The existence of Pneumonia
is shown by its physical
signs. It is to be distinguished
from ... of abdominal
symptoms and ...

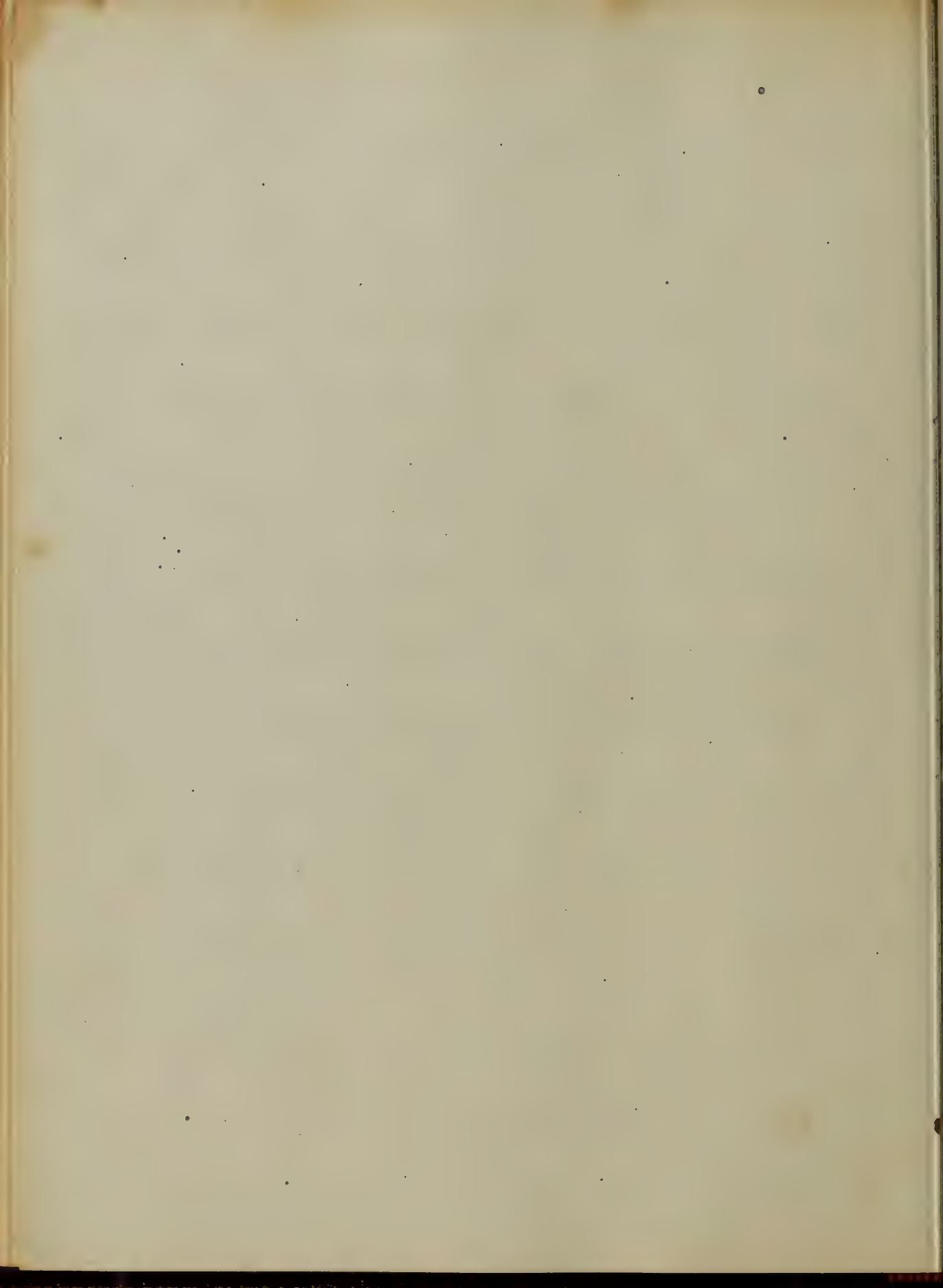
It is ... from Tubercu-
losis by a notable ...
of the Respiration and
prominence of cough in
some cases Hemorrhage from
the lungs ... is disting-
uished from ... by ...



...
the ...
abdominal ...
as ...
position ...
dusk ...
...
rose colored ...
...
eruption in ...
in ...



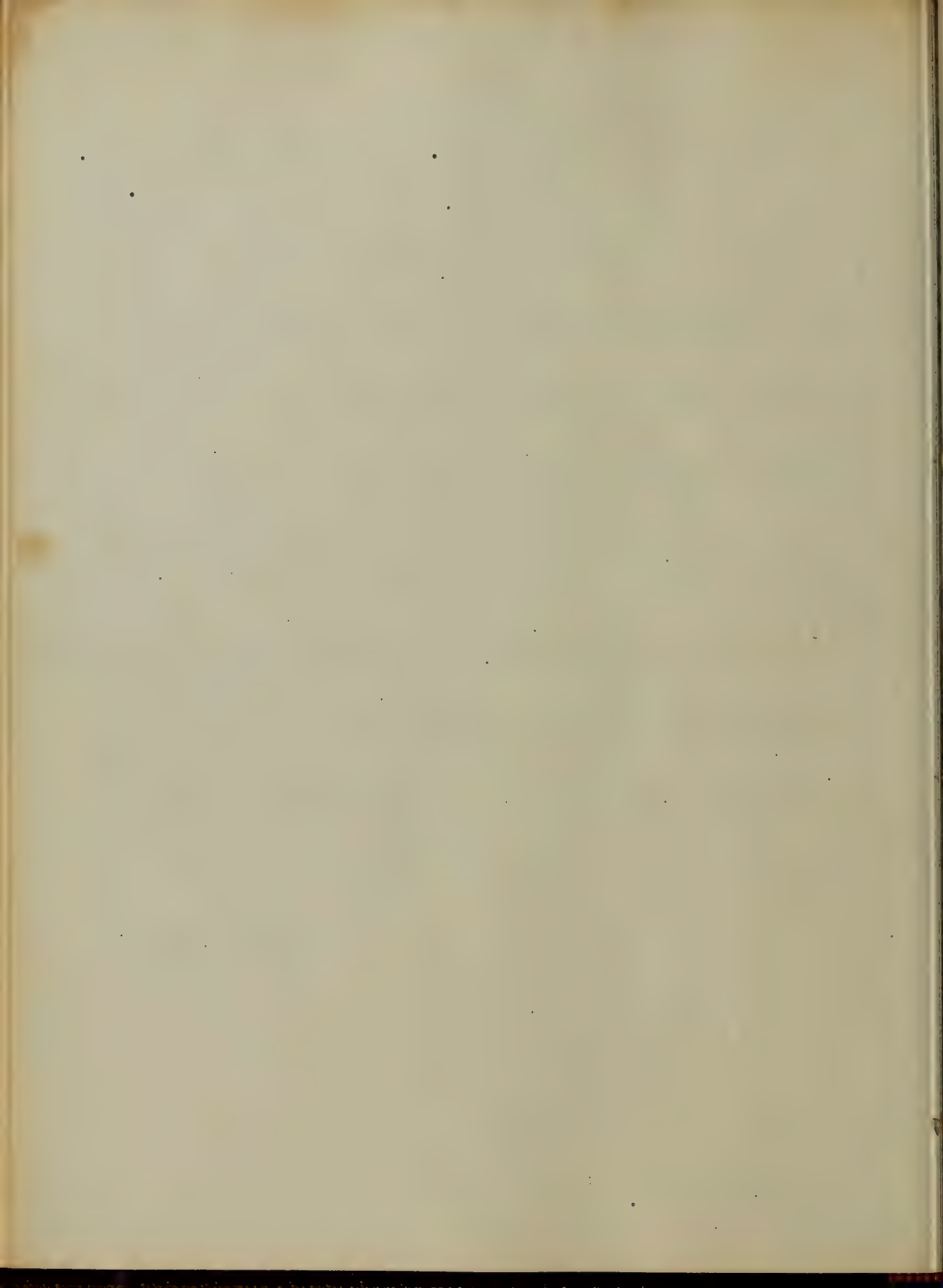
It generally commences
suddenly in some irregular
of the vascular system.
The average mortality is one
in twenty. Among the un-
favourable symptoms constant
anuricæ coma. Distorted
breathing profuse diarrhoea
or hæmorrhage from the
bowels = the mildest cases
can not be looked on as
free from danger.



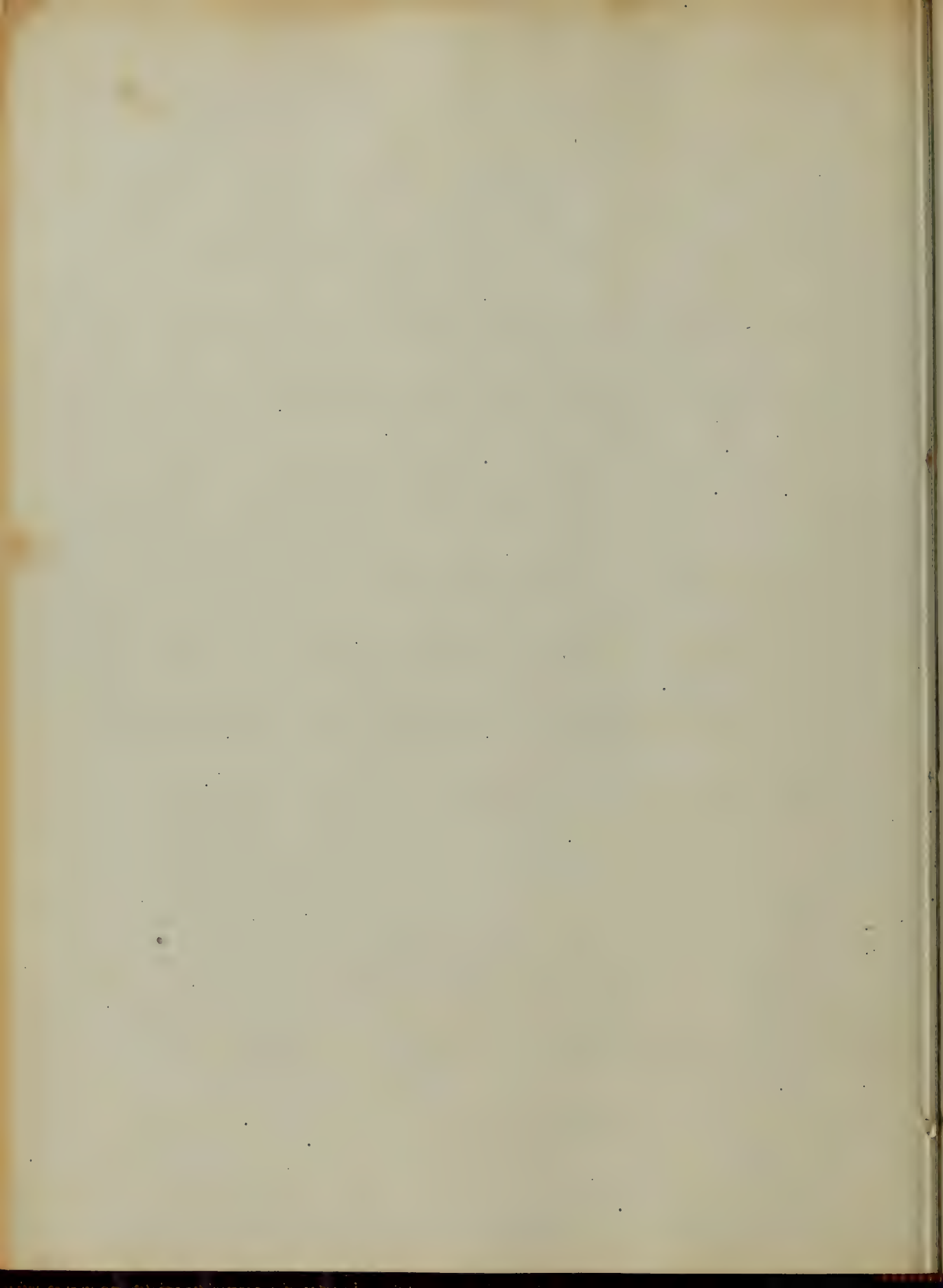
most

It would be surprising
we believe it is generally
admitted that the known
resources of Therapeutics do
not afford a ^{safe} means
for the arrest of this disease
nor even for shortening the
duration of its ^{or} period course.

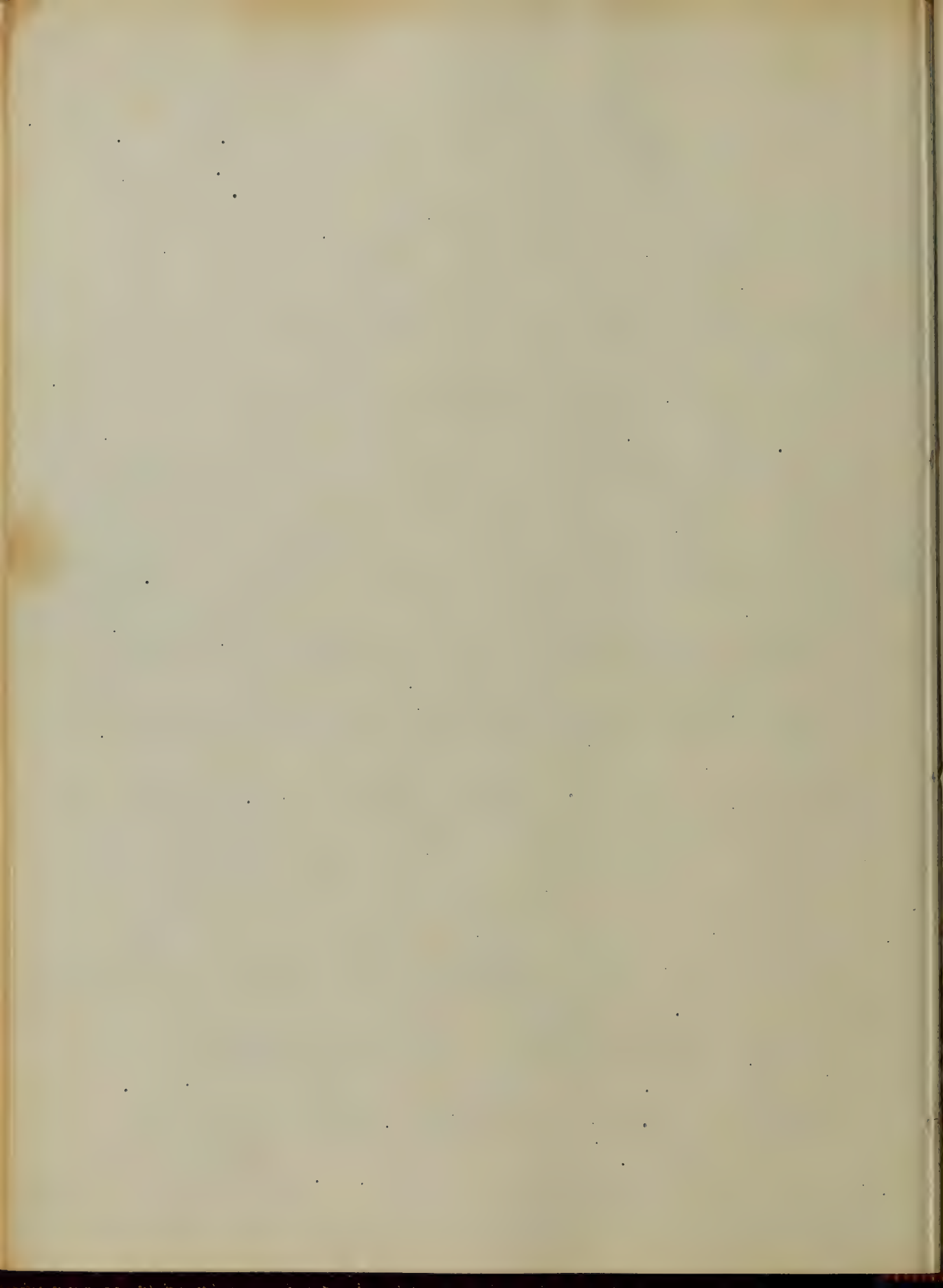
If the feet were kept cool
showing is a very good means
of reducing the temperature
of the surfaces, if the



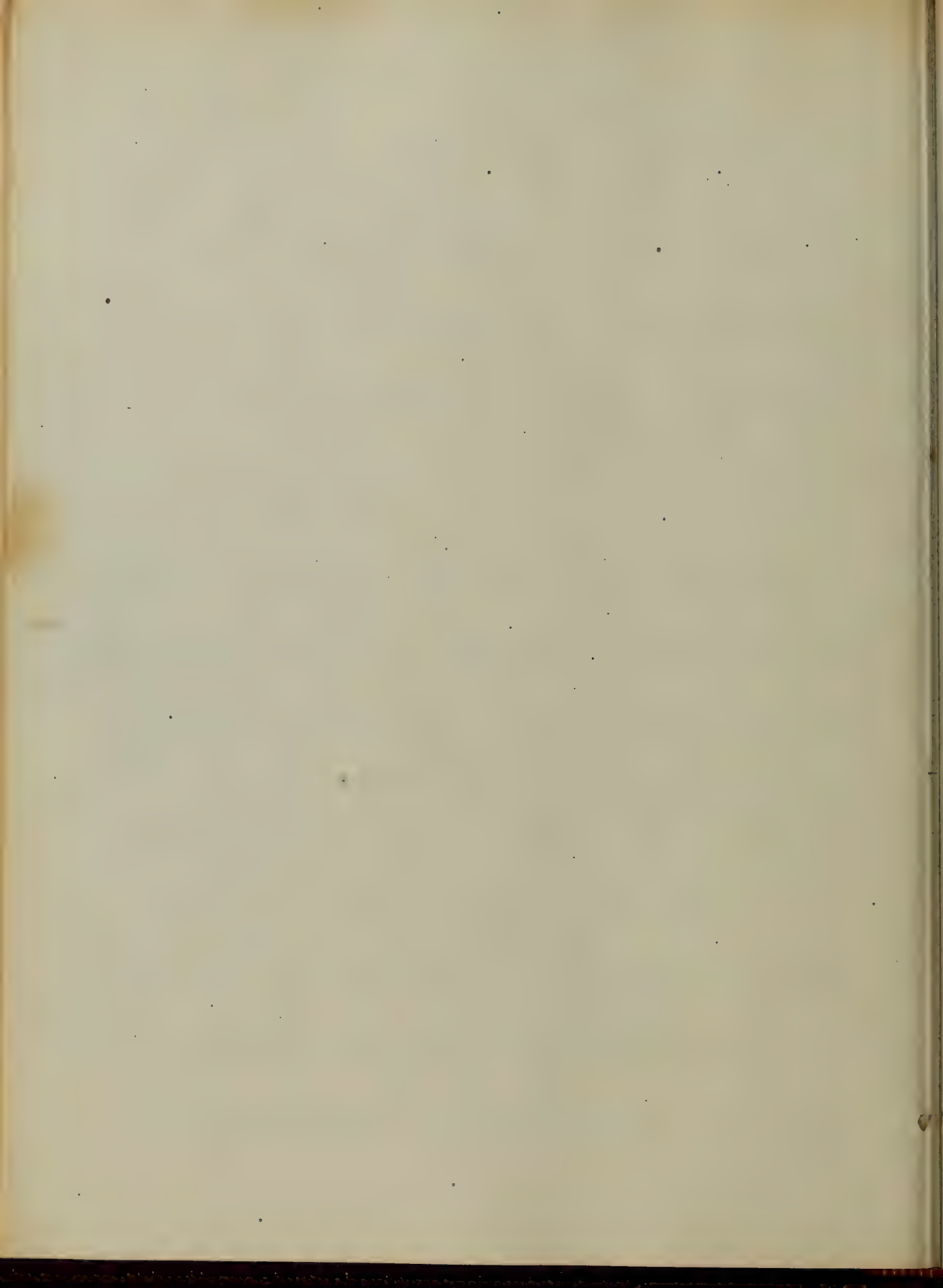
... ..
... ..
... ..
claims hair-lice measures
... ..
... .. spirits and water
... .. distilled vinegar if
... ..
... ..
... .. cold douches as in
... ..
... ..
is declared the hair should
be closely cut. Weakness
is a symptom calling for
... .. to procure ...



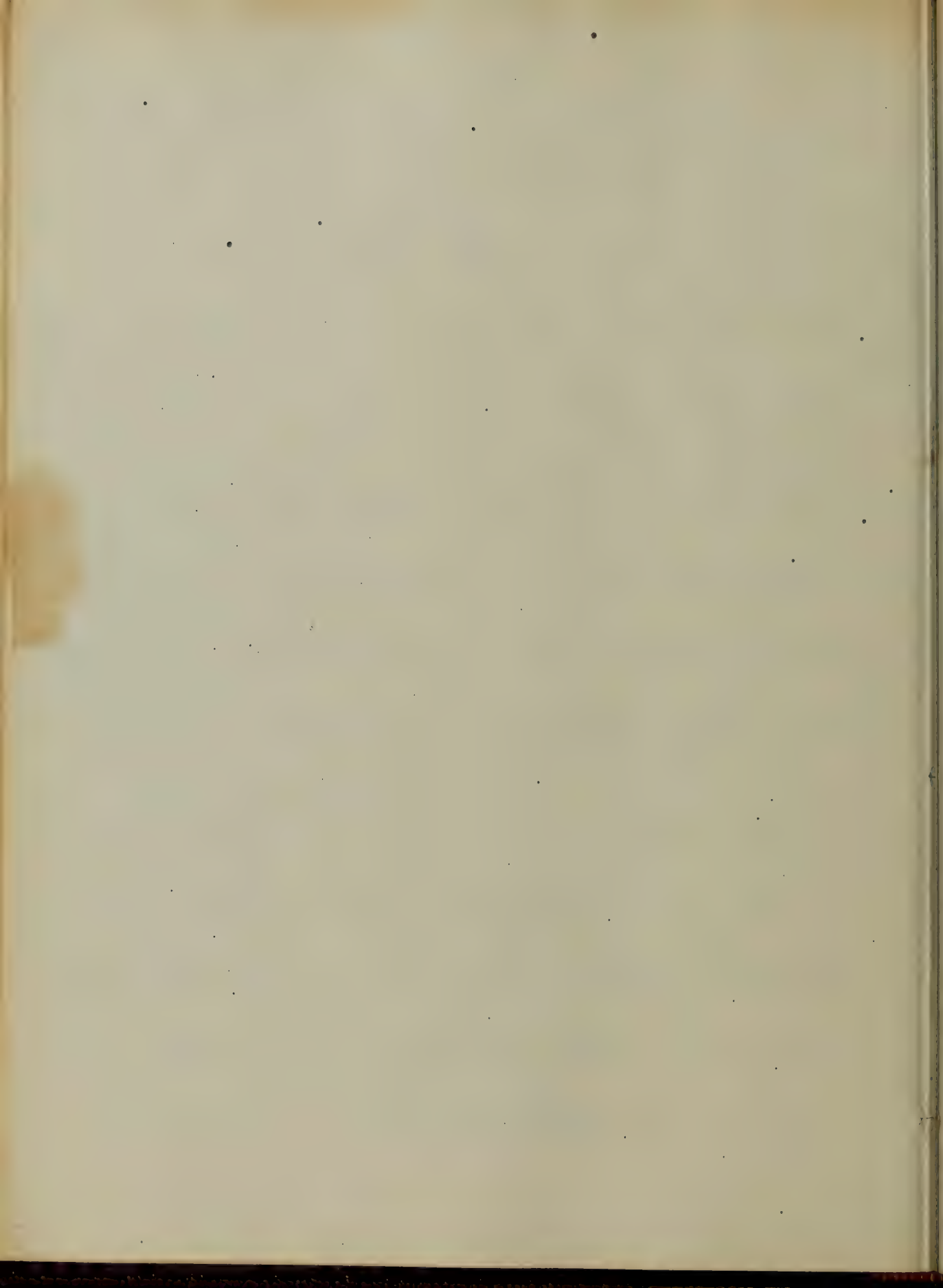
It is however not necessary
immediate removal but is
a means of procuring a
symptom. For this on this
will prove beneficial if the
same should supervene
in some form should be
employed and this one
are indicated if these
the combination of Antimony
in small doses with chinin
is beneficial the Bromides
in some cases have a
purifying effect all treatment
for this is generally
called for during the
course of



... always requires to
be restrained. The eyes, spirits
and appetites should be
given to the mouth as security
as a general rhine cathartic
or even laxatives are not re-
quired for constipation. For
this in the last stage of the
disease, we think that a laxative
dose of castor oil or oil of
Sassafras is advisable to clear
out the Primæ Viæ, and
operations may be delayed for
3 or 4 days or even longer with-
out injury if there is no evidence
of suppuration and the patient



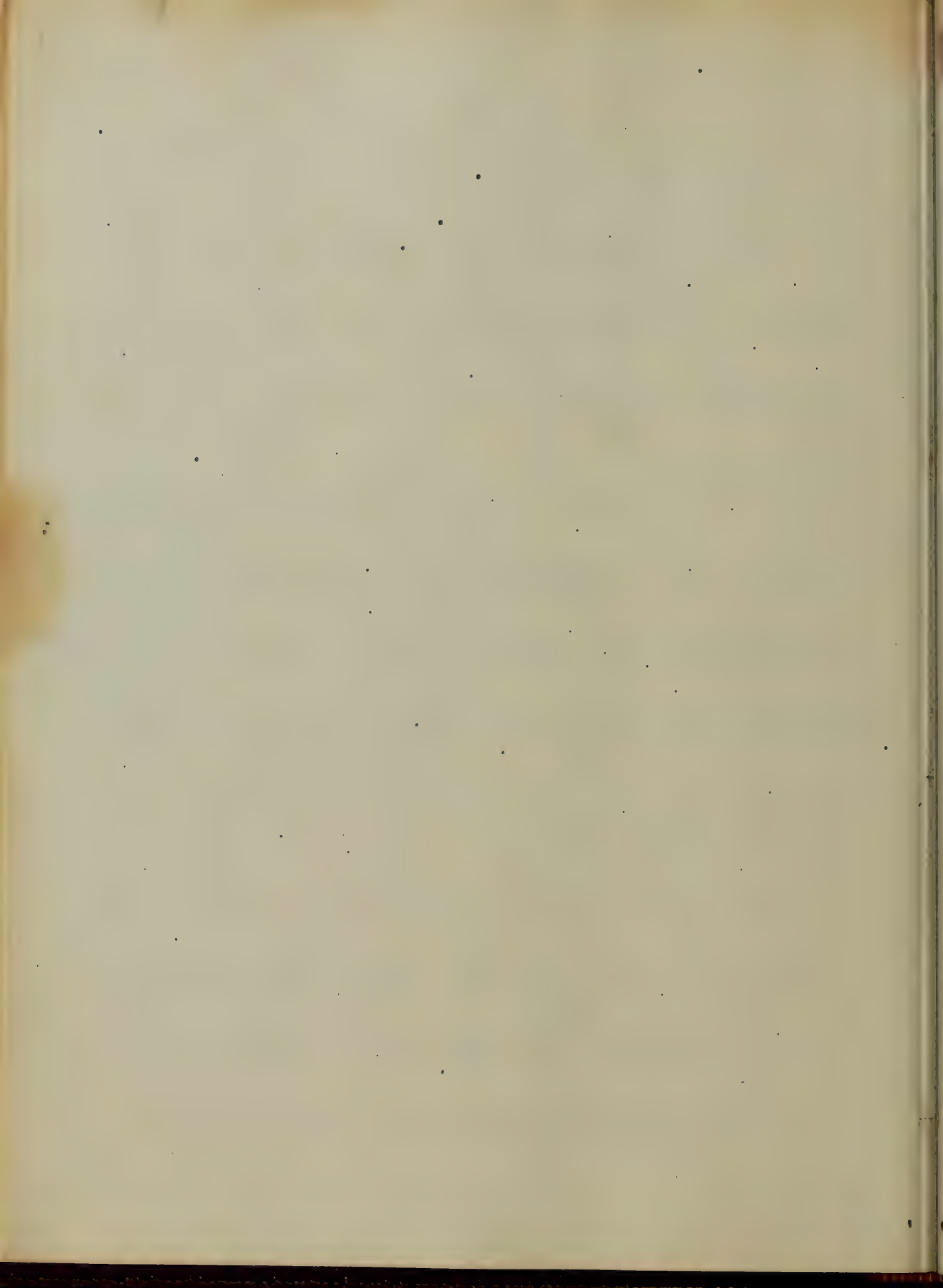
... should enter into it if we
... a saline laxative should be
... given. When perforation of the
... intestine occurs followed by
... Peritonitis and intestinal sounds
... have we should administer
... as an astringent measure to
... support the intestinal mucous
... if perforation involves some large
... vessels for astringent remedies com-
... bined with opium given by enema
... a solution such as tartaric acid, extract
... of lead and sulphate



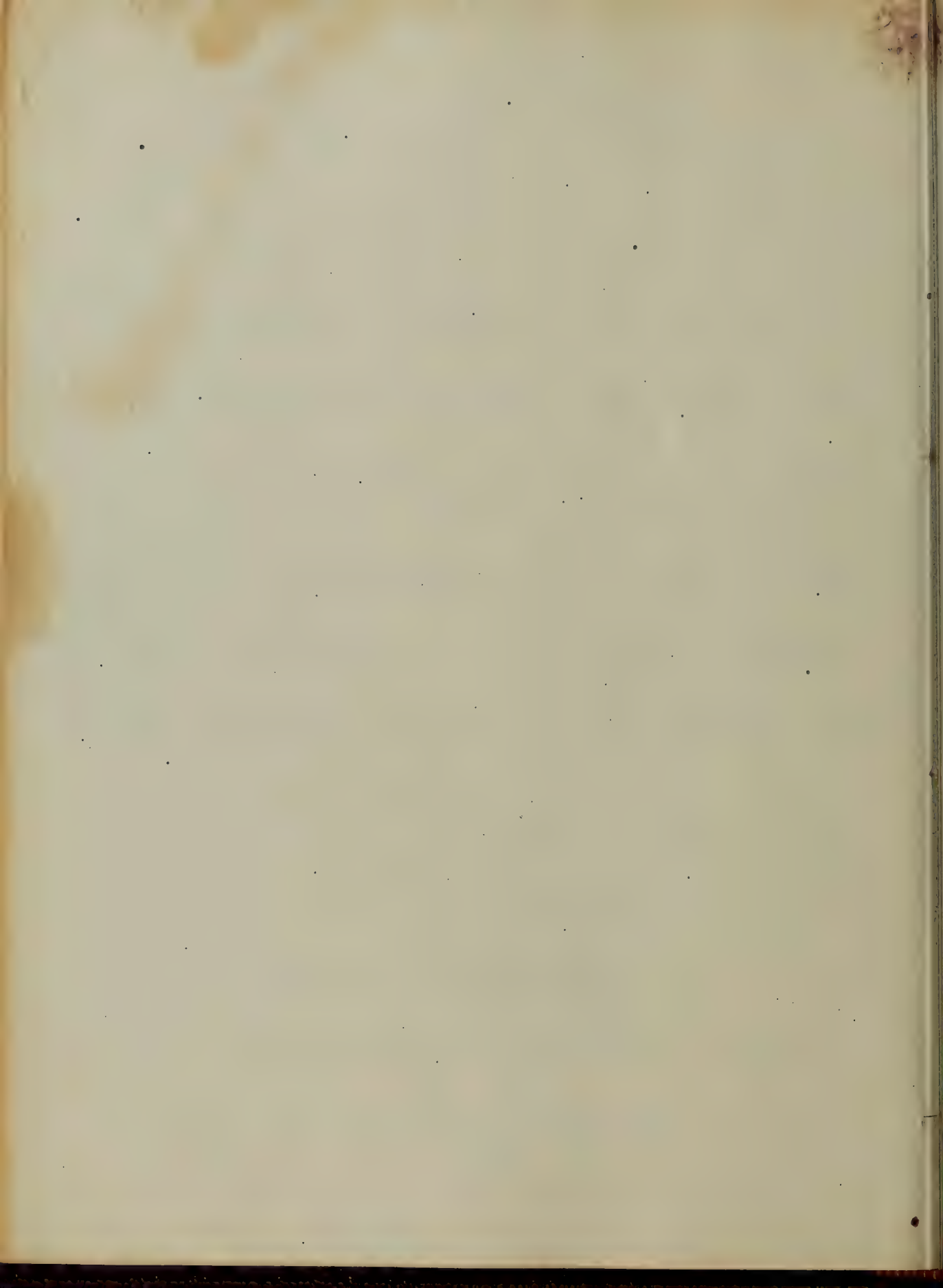
... complications may
be made to be in some
quiet. Complications of this nature
should not be treated with local
or general bloodletting. This as
well as other complications which
indicate a systemic measure.

Quintessence is some times so used
as to require abundant supplies
or even blushing the anterior
or posterior nares.

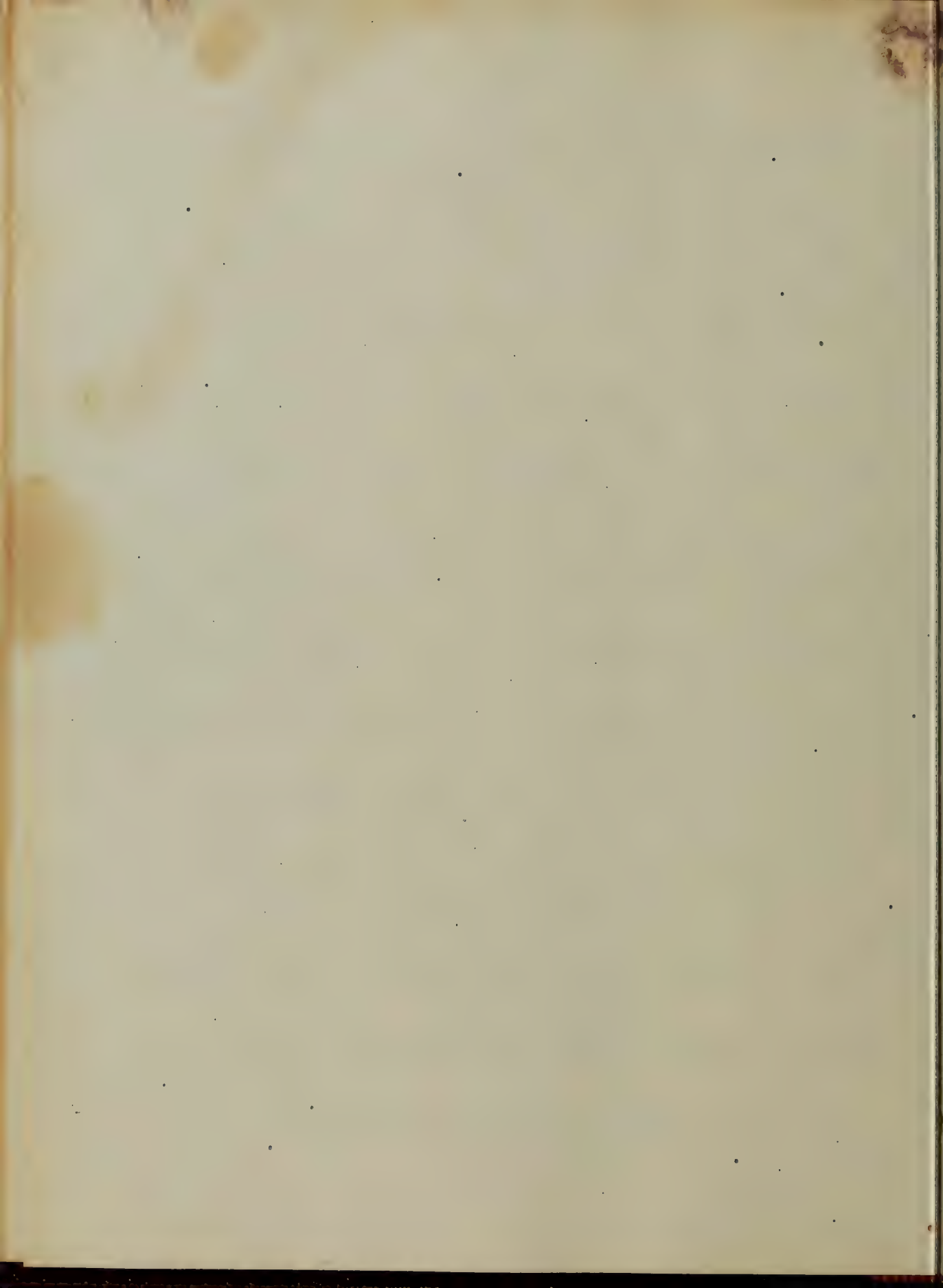
... and ...
... the most important
part of the treatment of ...
... indicated



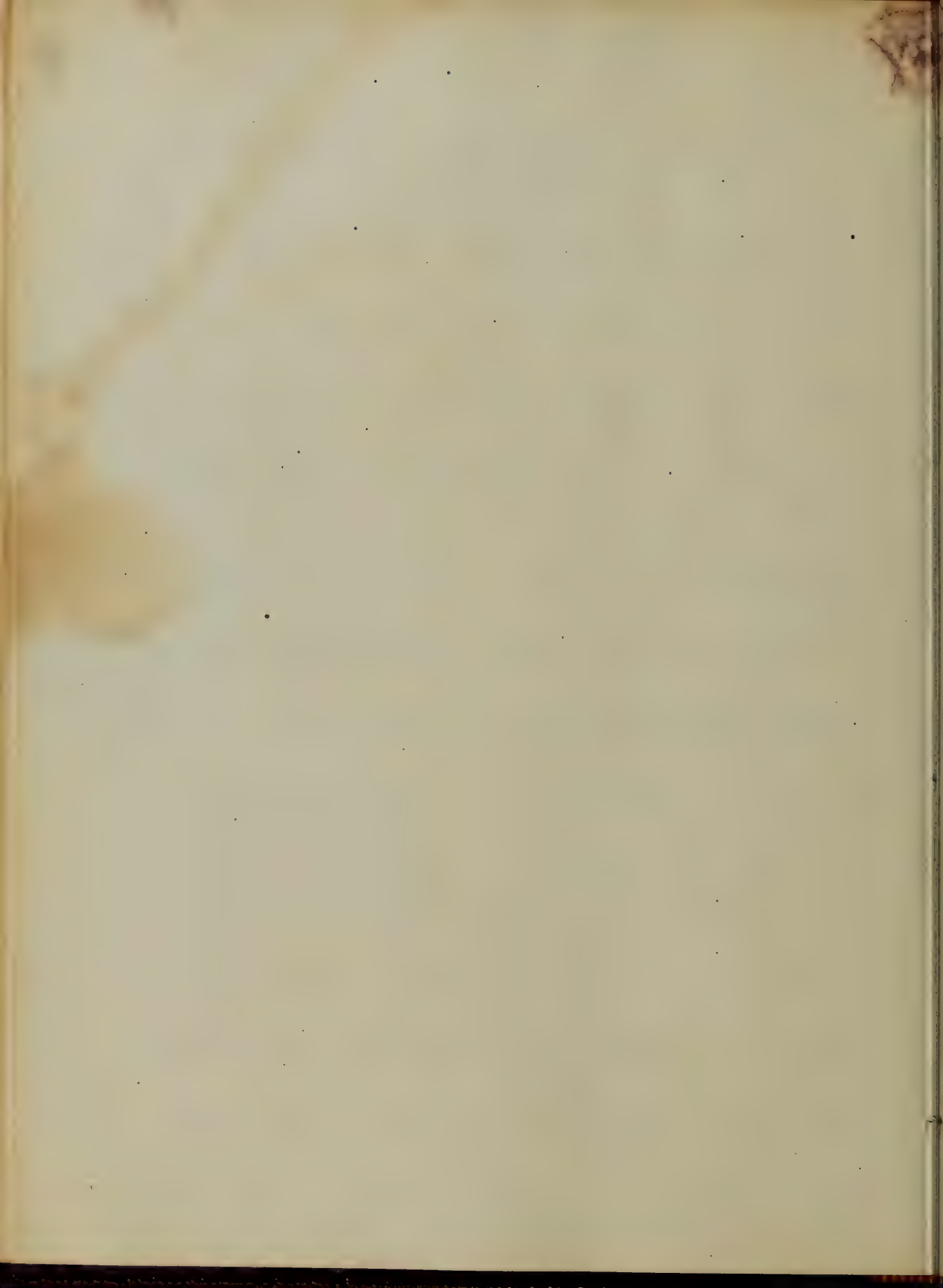
as can be seen in the
above copy, it is
found that the patient
was not at all
satisfied with the
results of the
treatment, and
therefore it was
decided to
try a different
method. The
patient should
take a
small amount
of food, as
soon as possible,
and assimilate
it. The food
should be
in a liquid form.



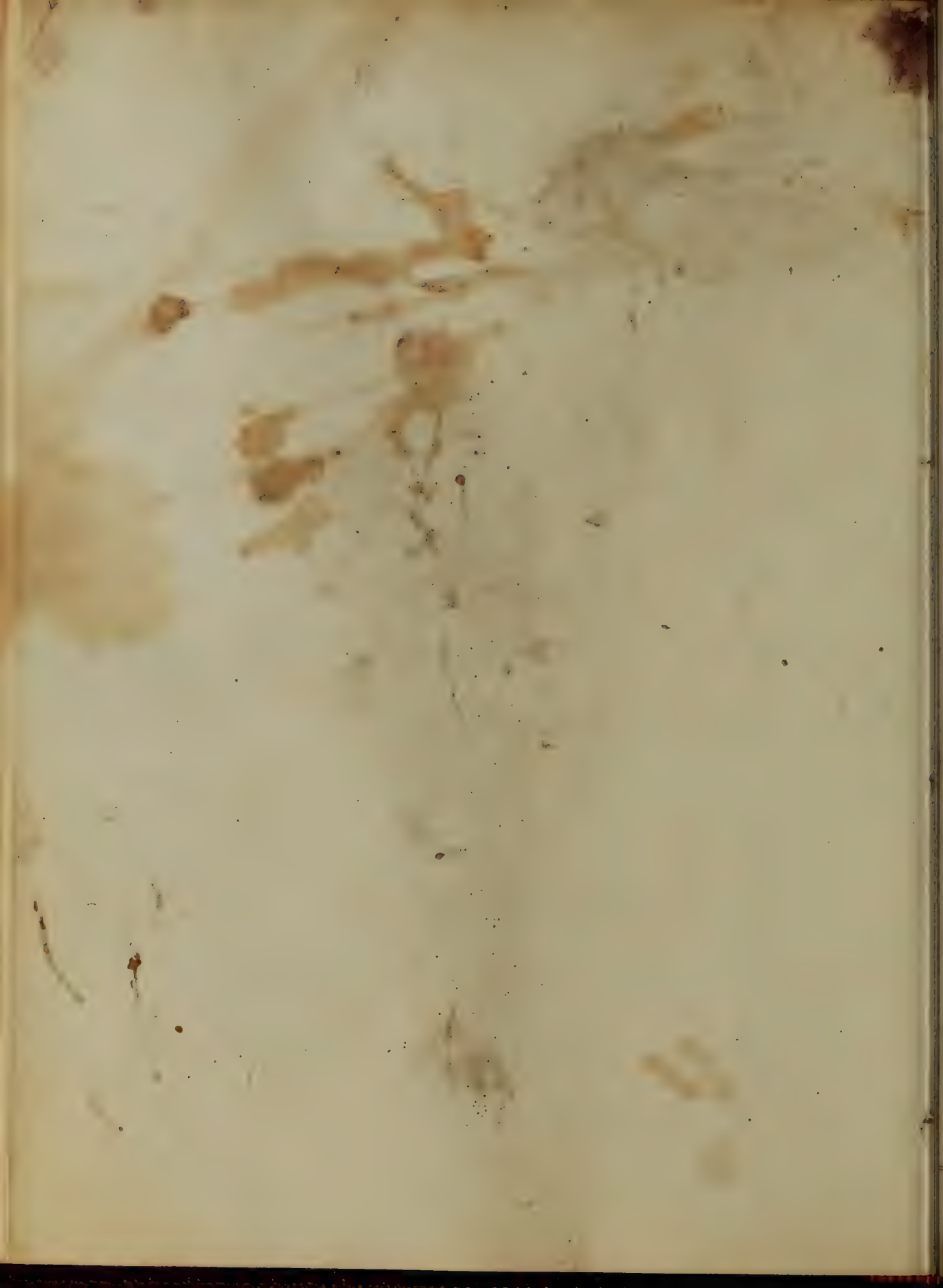
and embracing the necessary
variety of alimentary sources.
The animal matter is combined
with the addition of some
farinaceous form of food
to fulfill the requirements. The
amount of food given at
a time must vary according
to circumstances, the object
being to give as much
as can be readily digested. Of
the different articles of food
just named, milk is by far
the most valuable; in it we
have all the alimentary princi-
ples required for nutrition.



the substance must be
applied to the "Great
to the circulation "fulness" of
the circulation as directed by
the pulse and the best
cells for the use of stimulants
and they are to be given in
equal quantity in proportion
to the degree of fullness of
the circulation and according
to their effect raising convalescence
occasional stimulants should
always be given moderately
but not should be able
as soon as convalescence is
detected. The patient should

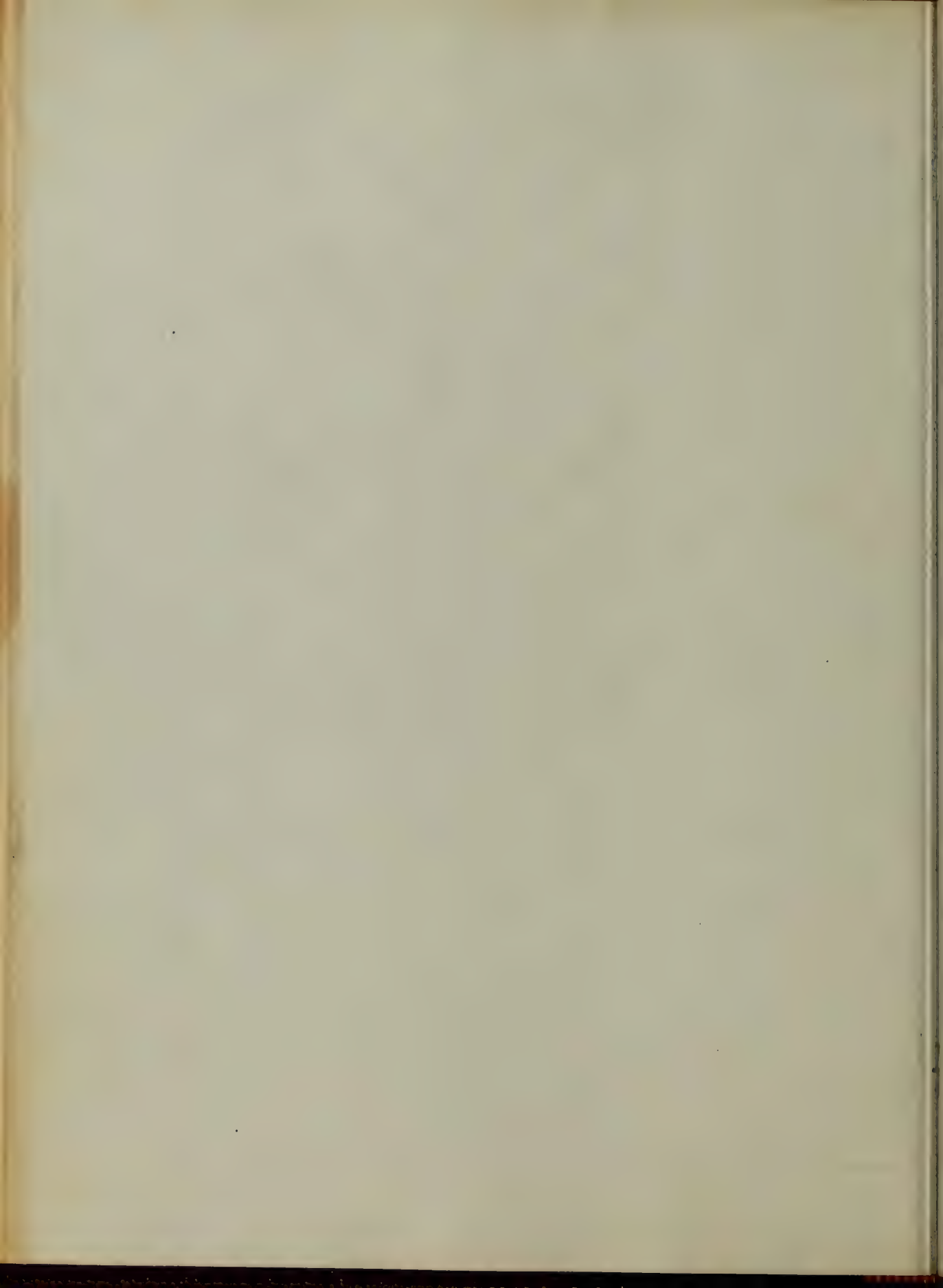


... food should be given in small quantities and at short intervals than in health, restation in the bed is a requisite in the early in the stages of convalescence and as soon as the strength of the patient will permit they may walk out of doors. Care with respect to much muscular exertion is important in convalescence in consequence of a liability to mobilisation of some structures of the intestine.

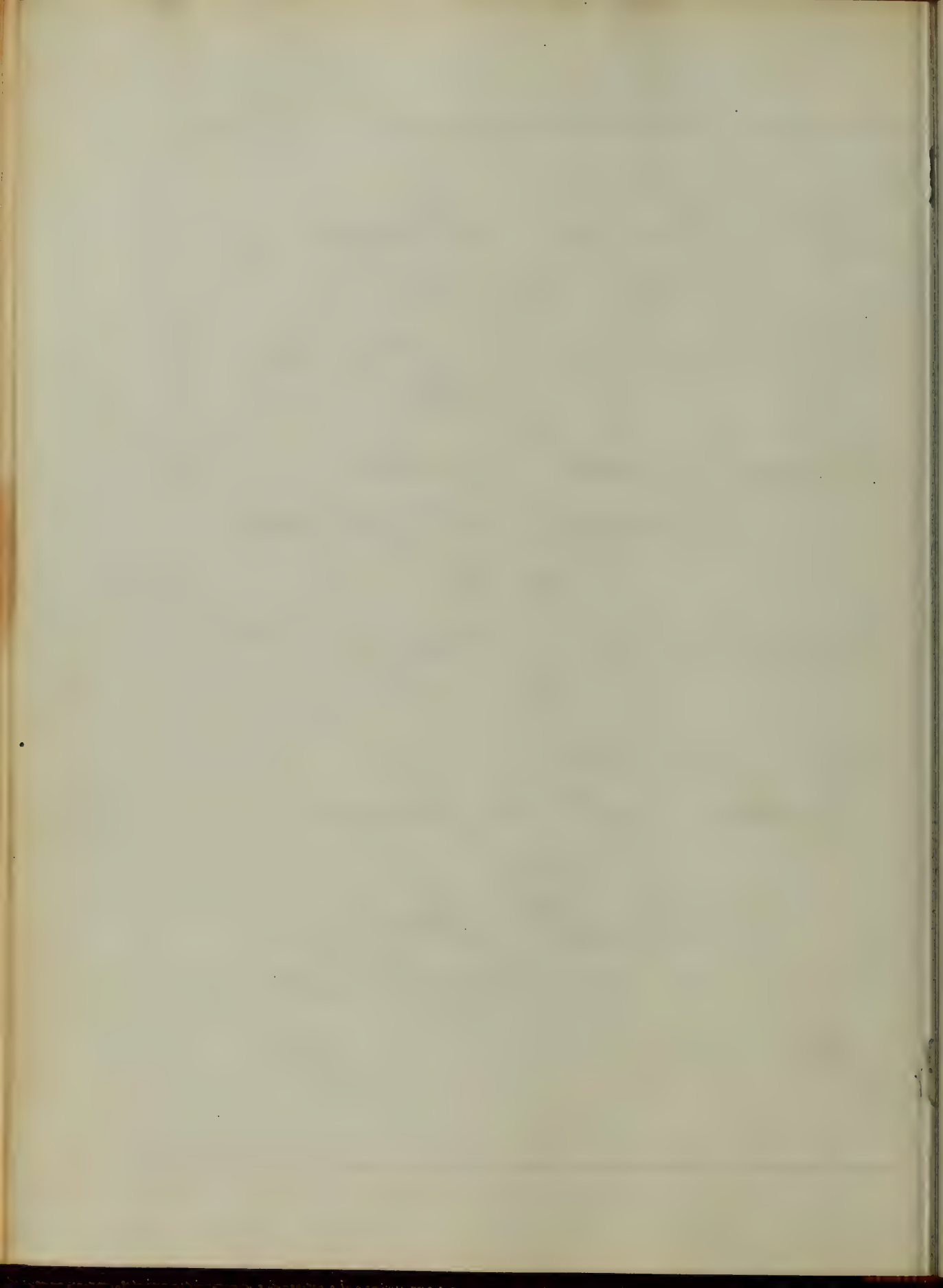


1875.

The
Clinical history of
Six cases
Reported by
Charles Abert, Jr.



The Clinical history of
Six Cases,
Submitted to the Examination
of the
Provost Regents, and
Faculty of Physic,
of the
University of Maryland,
For
The Degree of
Doctor of Medicine,
by
Charles Abert Jr.
of Maryland
Jan. 1875.



Case No. 1.

Henry Myer, age 37 yrs.

Occupation Labourer.

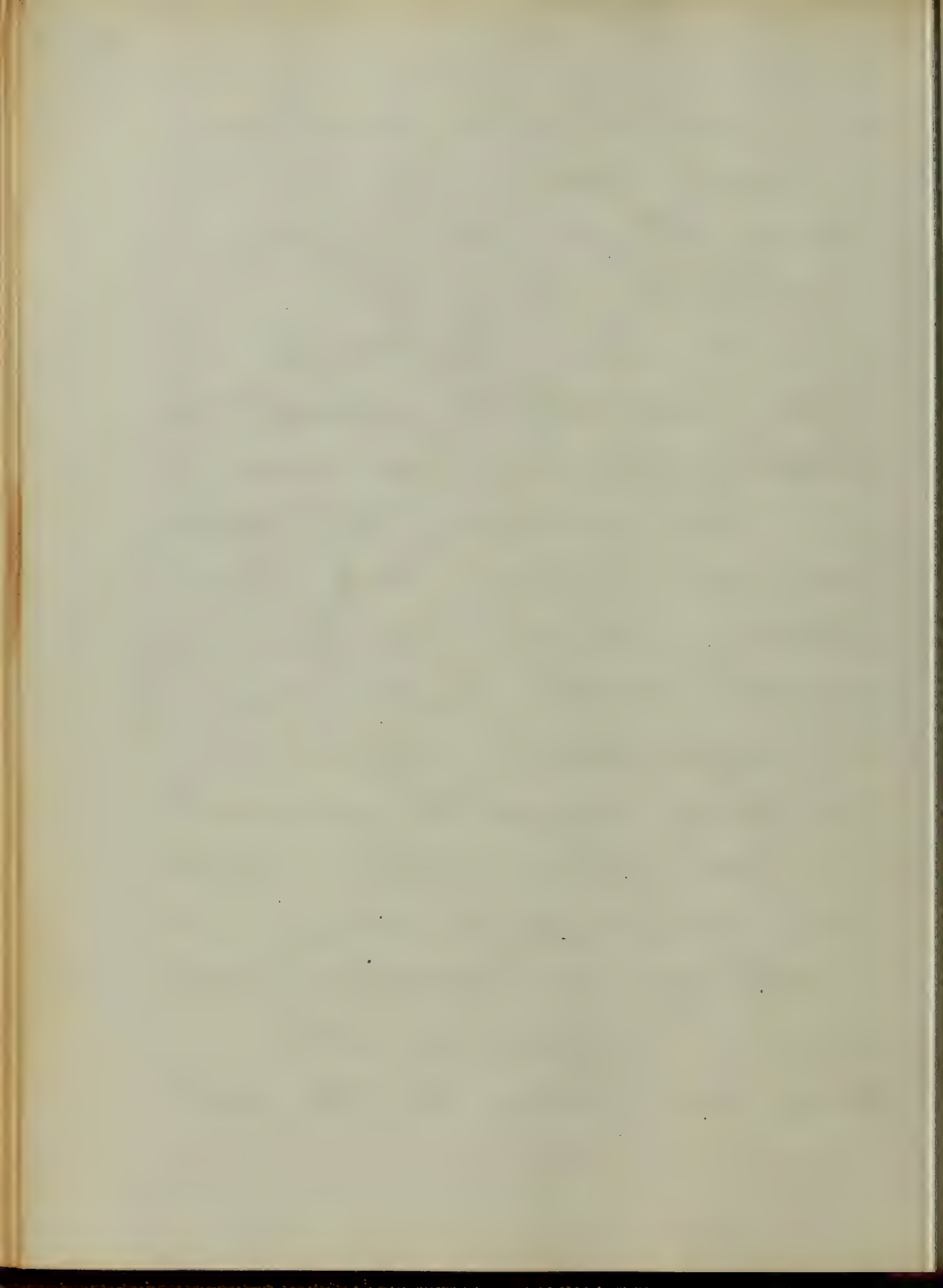
Resides in Baltimore.

Was admitted August 19th - 74

History of his case prior to
his entering the Hospital
was as follows. Had been
feeling badly for two
weeks with pain in
the supra-orbital region.

On Friday August the fourteenth
he was taken with a chill
and since then they have
continued to reappear every
day. August the 19th.

Symptoms. Pains in the back



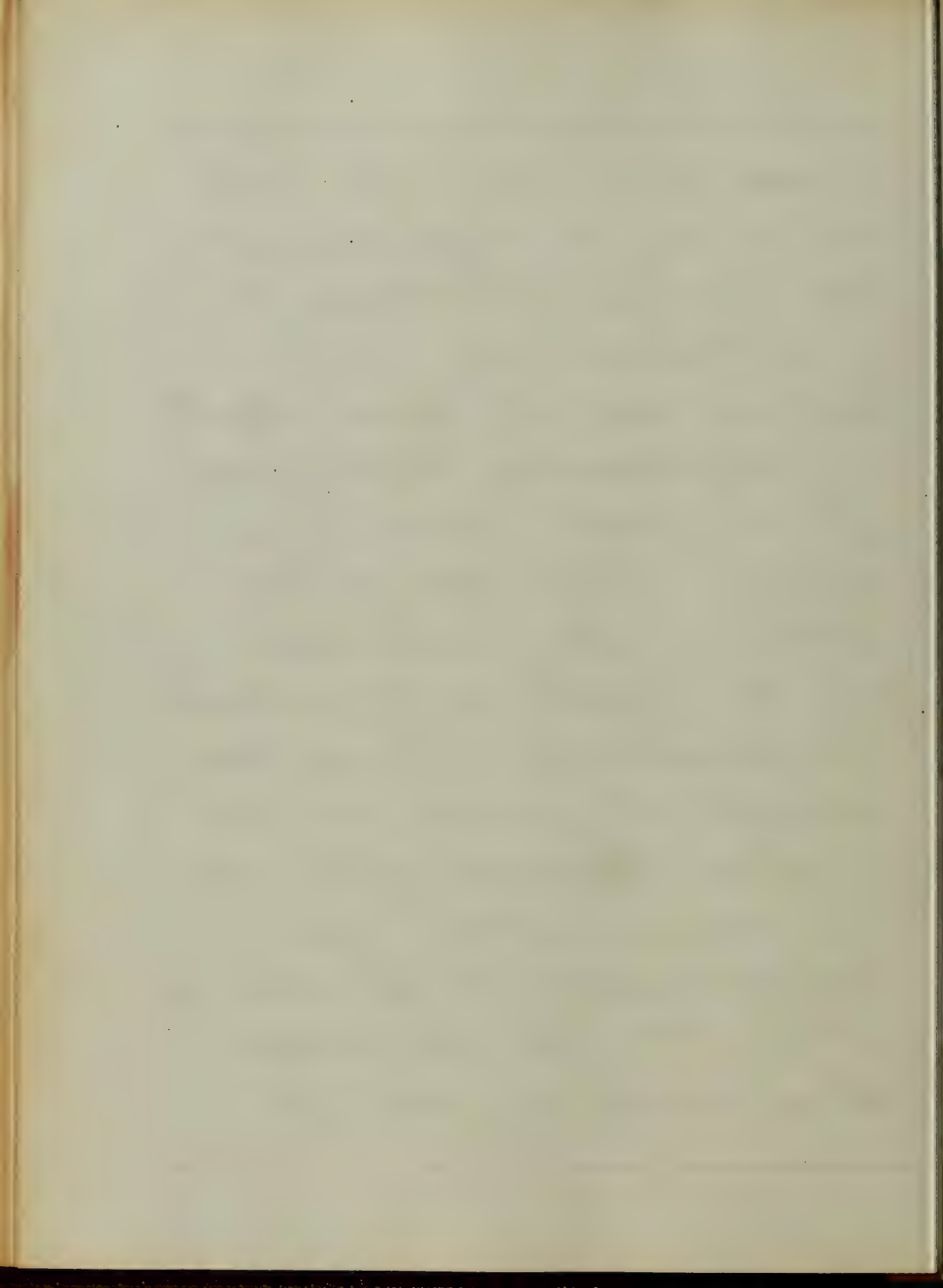
headache and fever the pulse
95 per. minute and temperature
99°. Diagnosis. Quotidian form
of malarial fever.

Treatment and its effects. Aug: 19th

Cinchonidia Sulphas gror.

To be taken three times
aday. After taking two
doses of the Cinchonidia.

(by the mouth) a hypodermic
preparation of Quinia was
resorted to, known as the
Tri-basic Phosphite of Quinia
Two minims. were given
hypodermically, on the evening
of the 19th. The temperature
then being 102° pulse 100

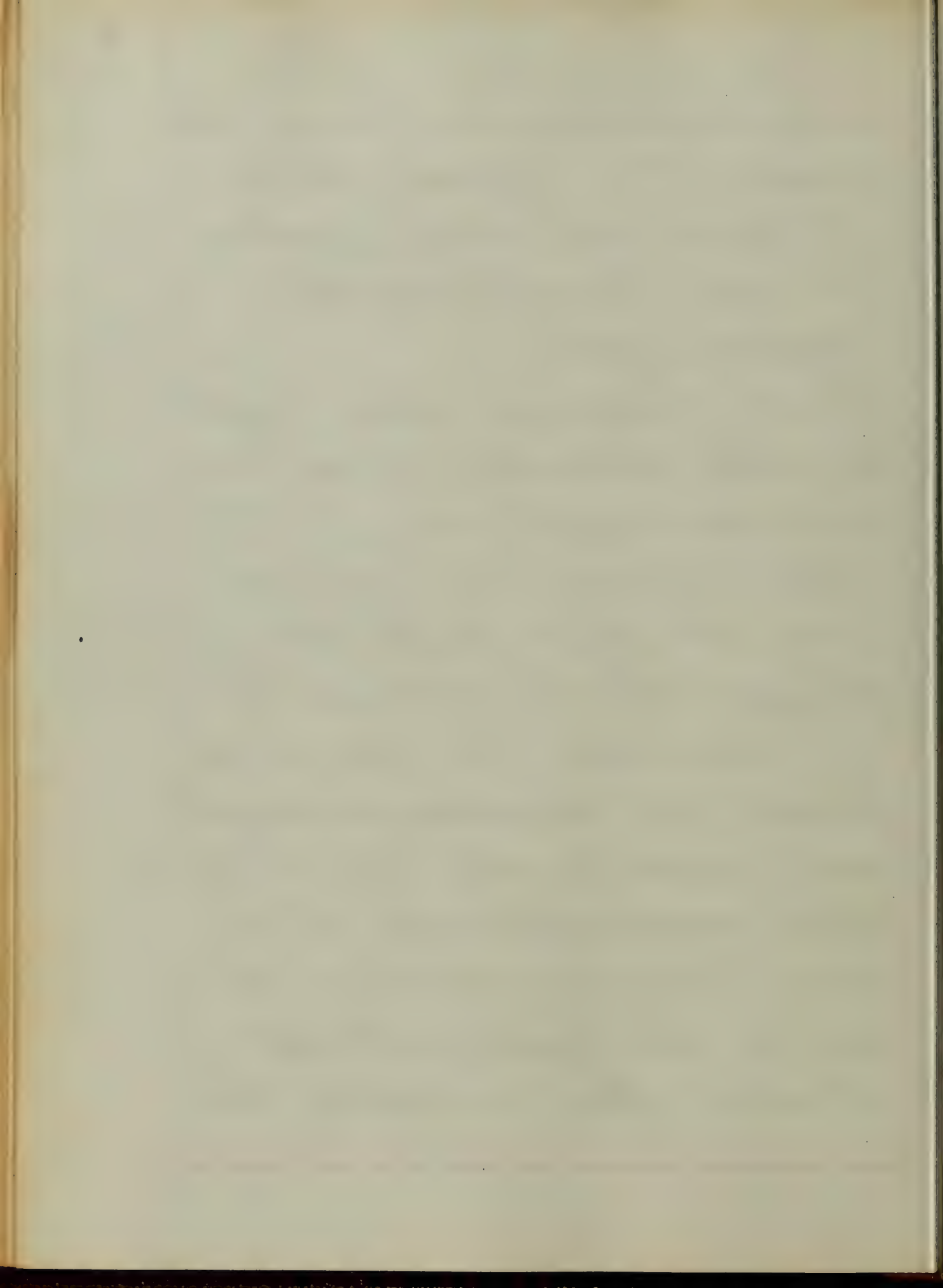


August 20th Appears better
 this morning, pulse
 75 and temperature 98°
 bowels regular.

Three minims were injected
 this morning, and this
 afternoon six more.

The temperature this afternoon
 was 100° and pulse 95

August 21st Complains of
 soreness in the arm
 where the hypodermic injections
 were made. The chills
 have ~~not~~ reappeared but
 once. Yesterday evening he
 said "he had a slight
 shak" This morning the

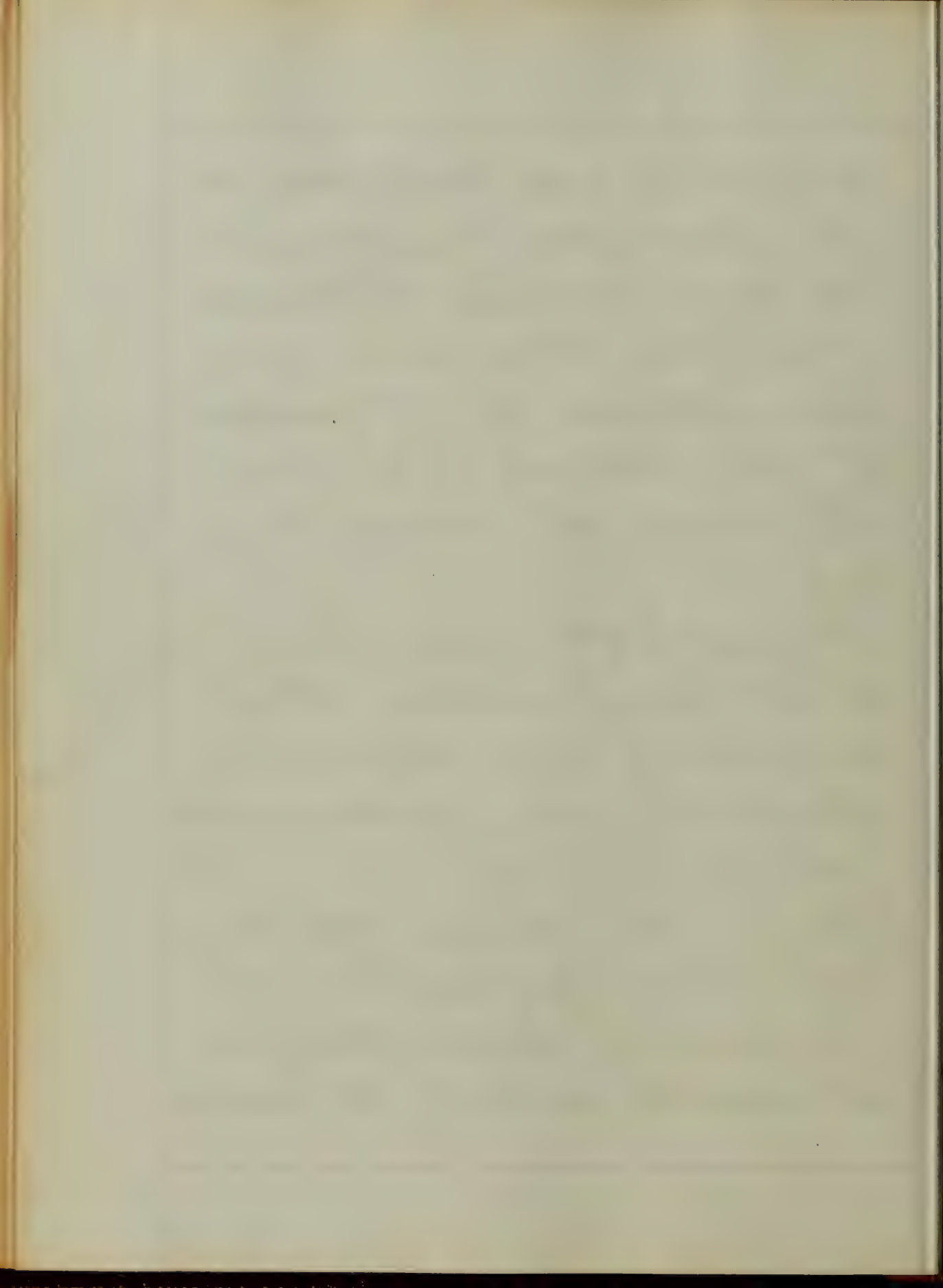


pulse is 65 and temperature $97\frac{1}{2}$
The prescription was changed
back to Cinchonidin Sulphate grss.
To be taken three times a day.
This afternoon the temperature
of our patient is 98° and
his pulse 66, bowels regu-
lar.

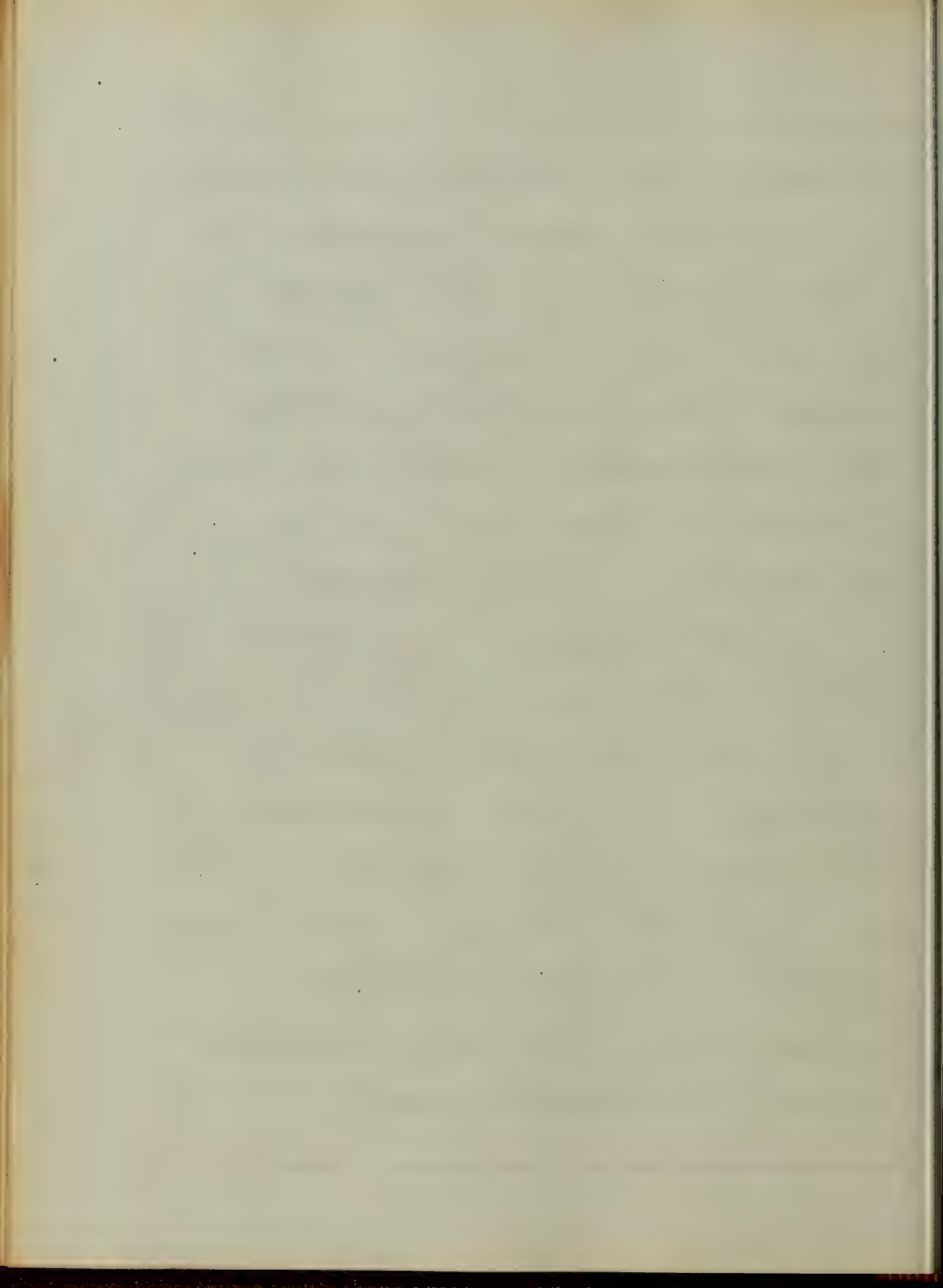
August 22nd The pulse
and temperature, this
morning, are normal.

Dr. Worthington, pronounced
him cured.

As to the local effects
of this preparation of
Quinia I have thought
it worth while to notice



First That when the substance was injected it gave great pain and when six minimis were used the patient suffered so intensely that he was forced to cry out. And secondly, phlegmonous Erysipelas affected the arm in which the hypodermic had been used. It is needless to say that after such a result from this use of the Tribasic phosphate of Quina, its employment was discontinued.



Case No. 2.

Thomas F. Martyn, age 20 yrs.

Occupation Seaman

Born in Baltimore

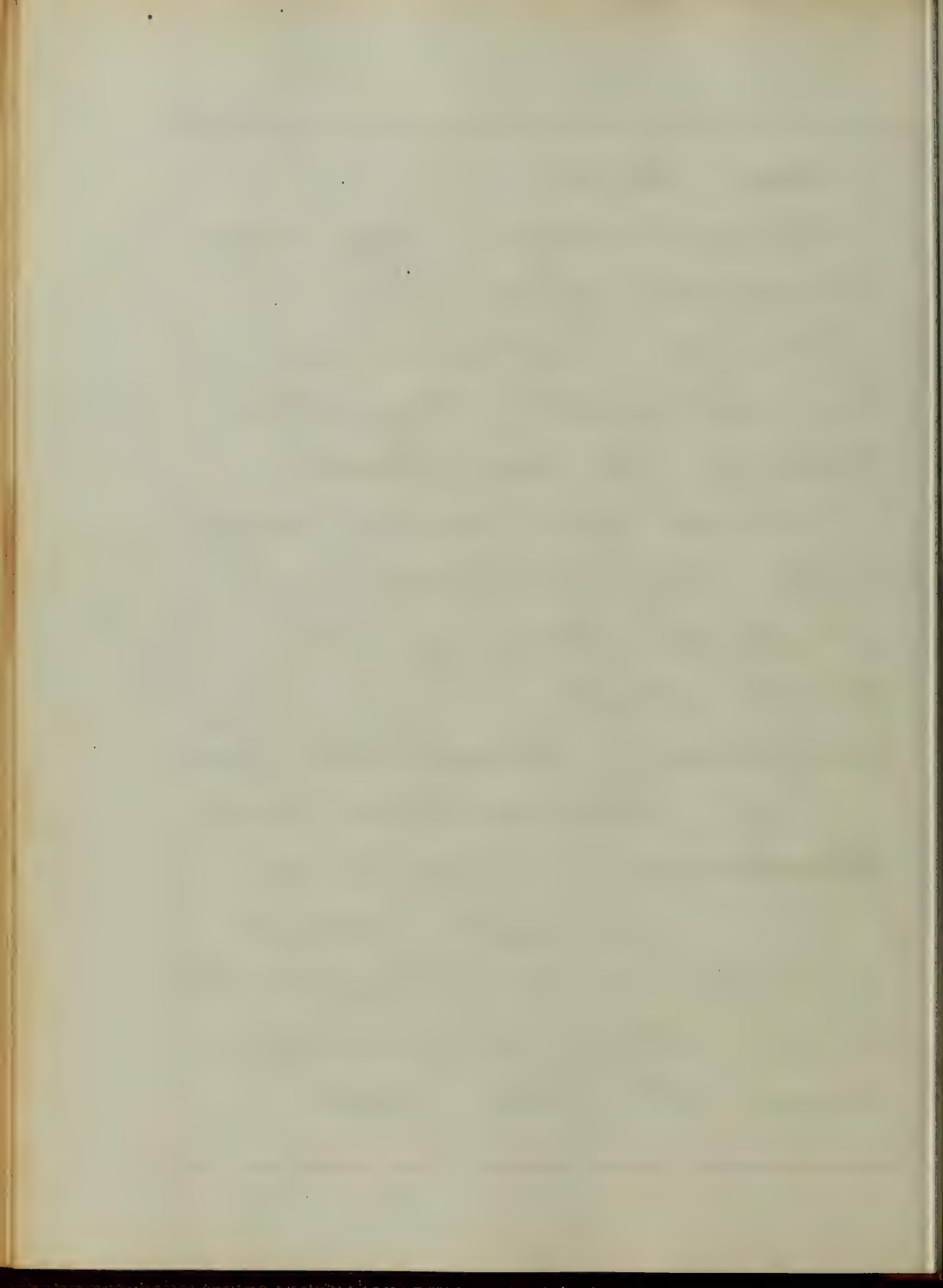
Was admitted August 15th

History He has been
sick for nine days
with Intermittent fever,
a chill coming on
every day.

Diagnosis, Quotidian form
of Intermittent fever.

Treatment, August 15th

He was ordered,
two Compound Cathartic Pills
To be taken at bedtime,
August 16th The pills

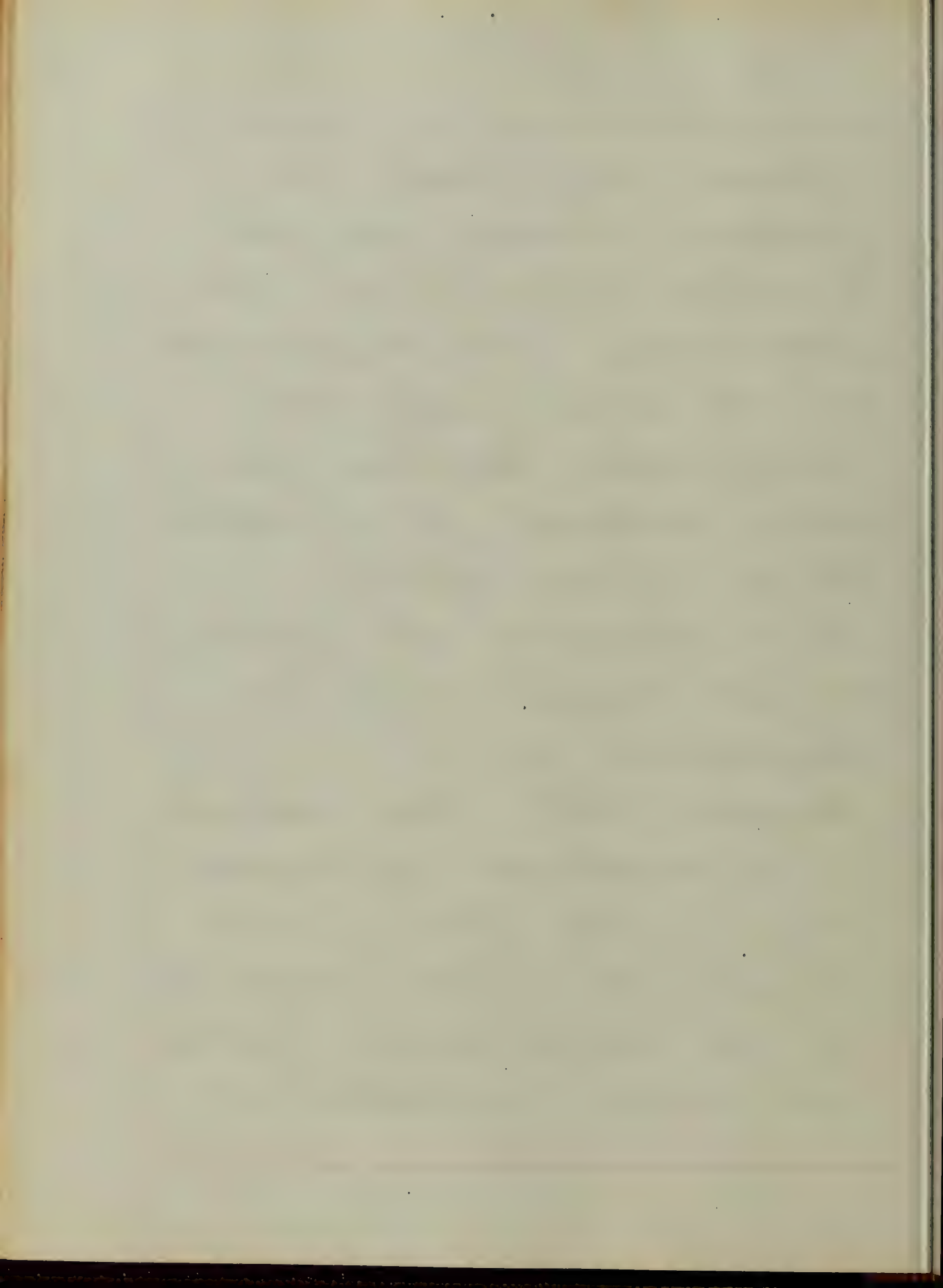


opened the bowels, the patient having to go to stool three times this morning. His temperature is 102° and pulse 100.

Cinchonidia Sulphas grs. v were ordered to be taken three times daily.

This evening the pulse 80 per. minute and his temperature $99^{\circ}.5$.

August 17th Our patient complains of nausea and after taking his breakfast this morning of tea, bread and butter, he soon vomited it.

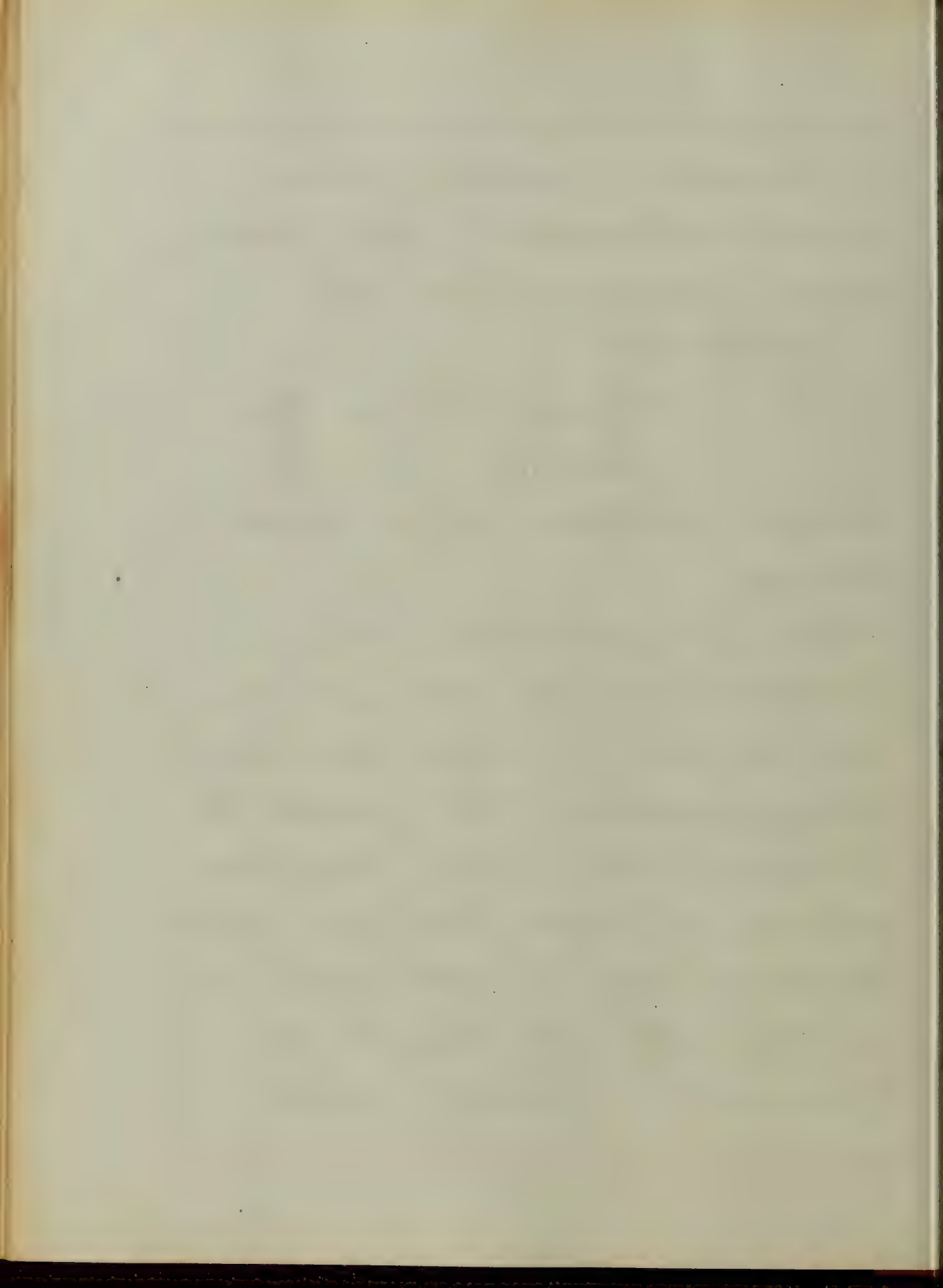


To prevent nausea and sick stomach, the following prescription was ordered

R. Aqua Calcis ℥ss.
Lac ℥ij

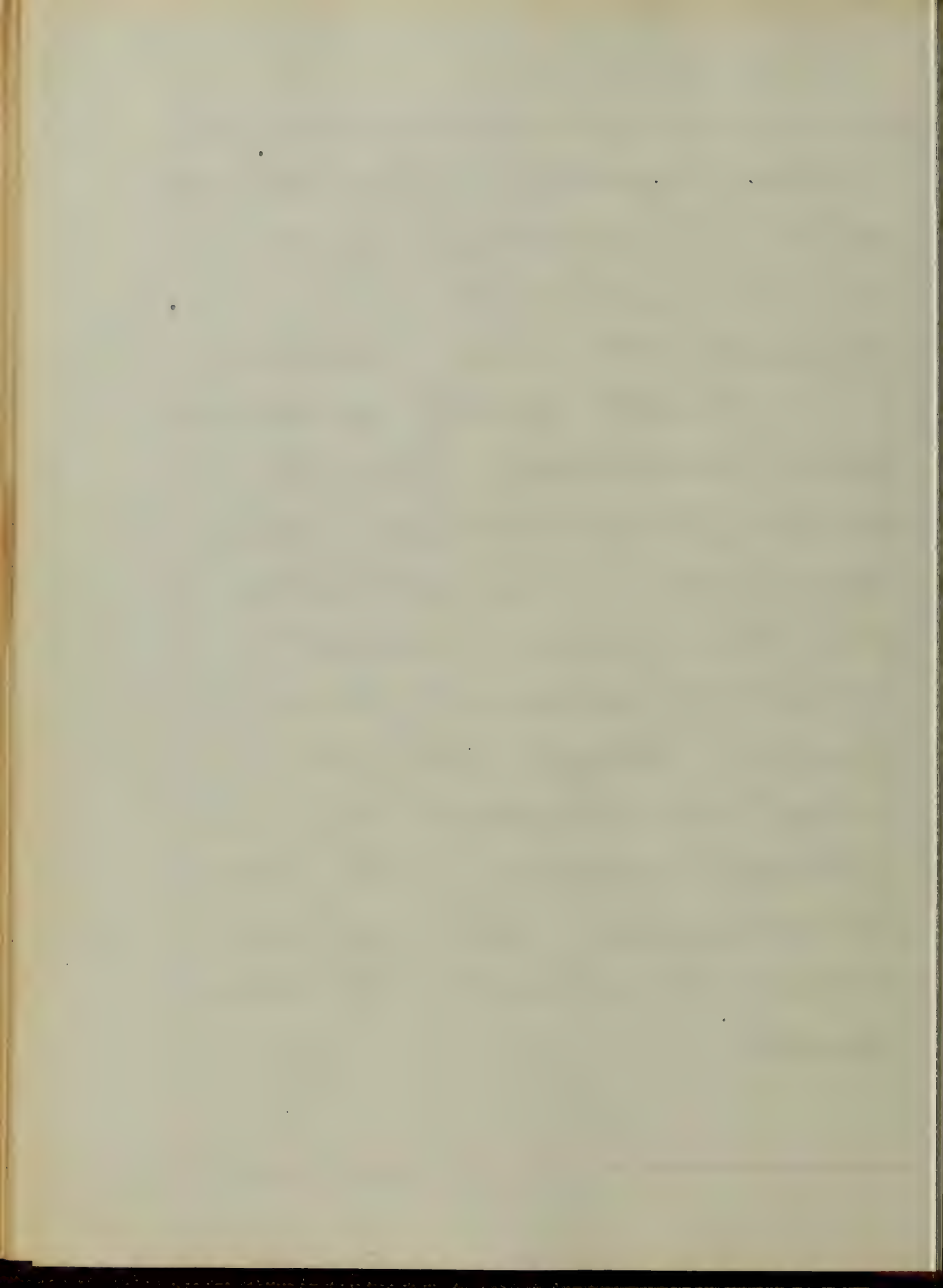
To be taken before each meal.

His temperature this morning is 102° and pulse 80. This evening temperature 98° pulse 72. August 18th The temperature of our patient this morning is 100° with a pulse of 80 beats per minute, bowels are



now regular. This evening
his temperature is 98°
and pulse 75.

August 19th Our patient
looks quite smiling
this morning, pulse
and temperature are
normal. Cinchonidia
in five grain doses
were continued for
several days longer,
and on August the
twentysecond he was
discharged, all appear-
ances of Chills having
ceased.



Case No. 3.

William Poole age 34 yrs.

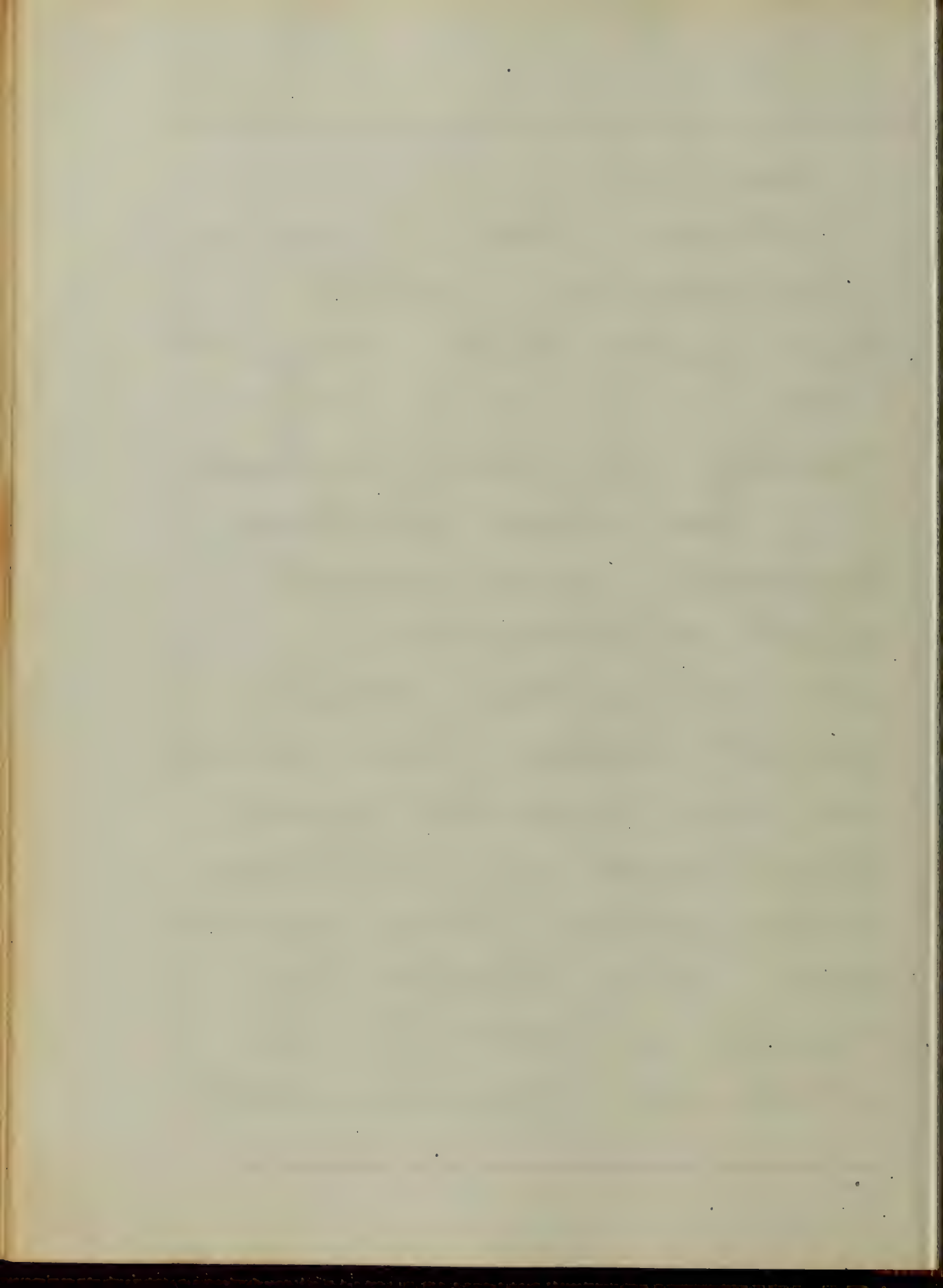
Occupation Sailor.

Was admitted, May 23rd
1874.

History of his sickness.

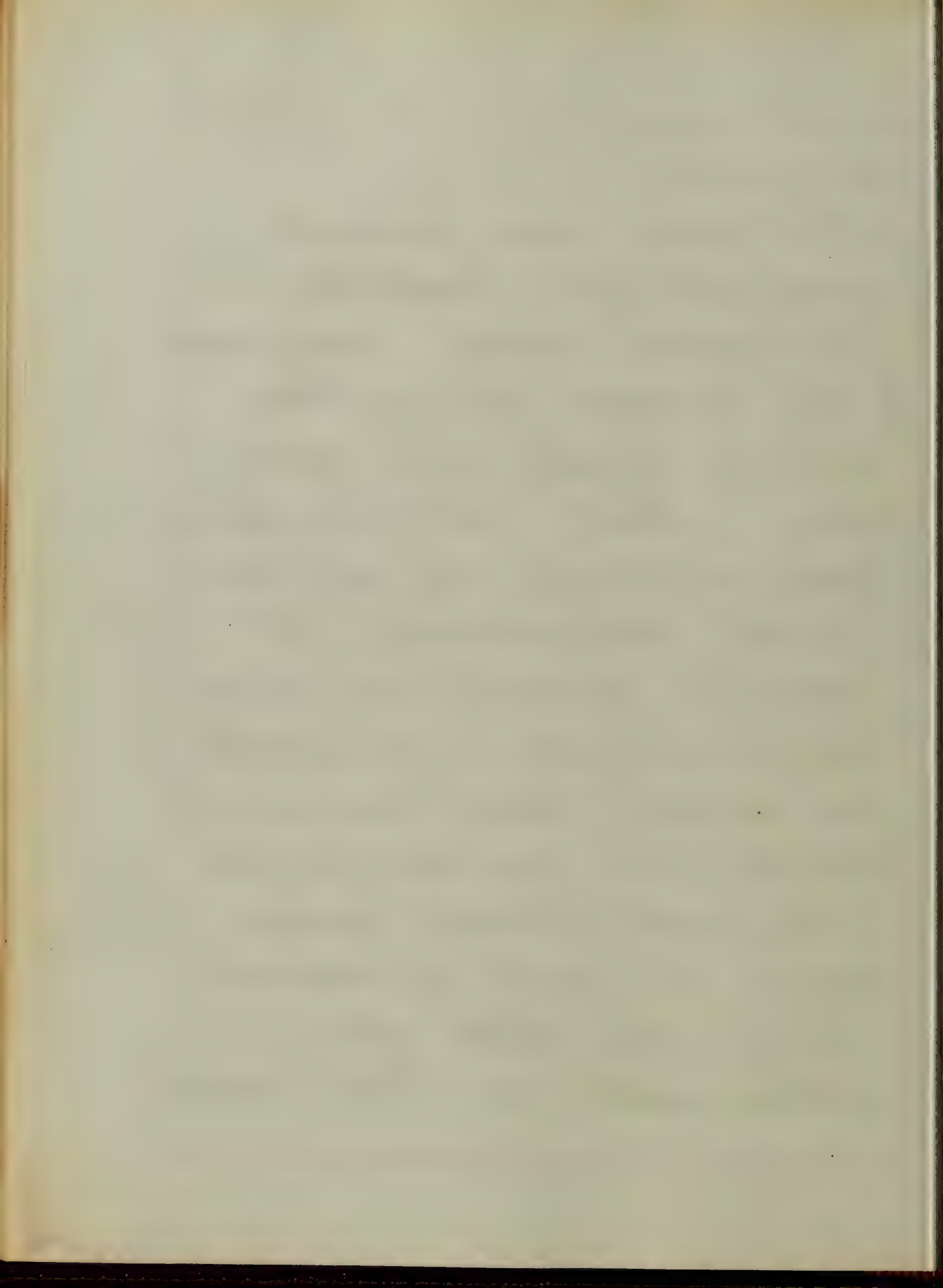
Has been feeling
unwell ever since
last September.

His symptoms, when
first taken, were pains
in the lumbar region,
suppression of the urine,
and when these symp-
toms had lasted for
nearly a month, his
abdomen commenced



to swell.

The day our patient entered the Hospital, the symptoms were very nearly the same, as given above with one exception. That as the urine was scanty, it is now quite abundant. Its specific gravity is 1.010. and suspecting kidney trouble the urine was examined under the microscope, for tube casts, which were seen in quite a number. Then the test for albumen in the urine

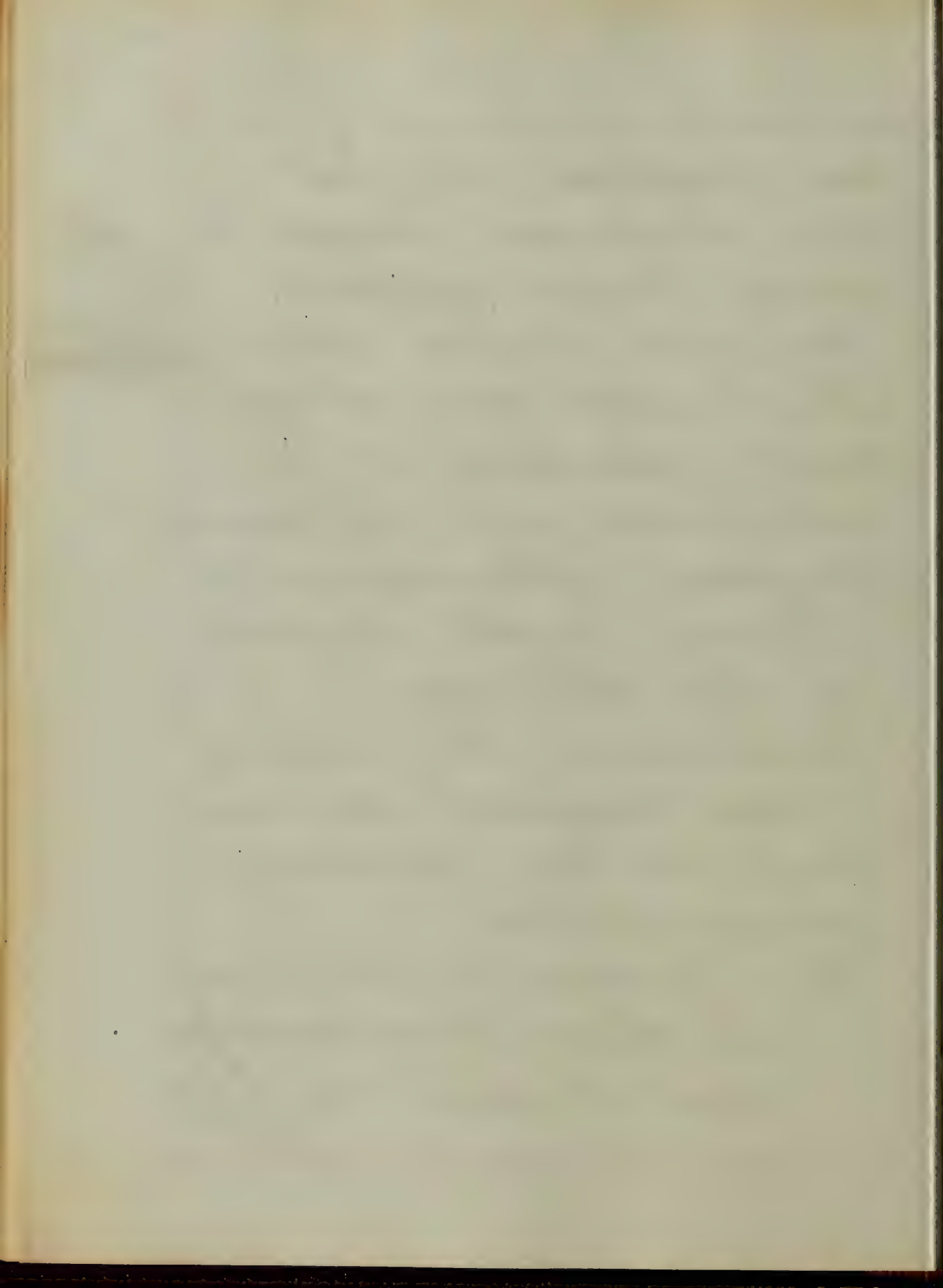


was employed, so that the diagnosis might be made more apparent. This test proved that there was an abnormal quantity of albumen in the urine.

Diagnosis: Albuminuria, or Chronic Bright's disease of the kidneys.

Treatment: On entering the Hospital he was put on the following prescription.

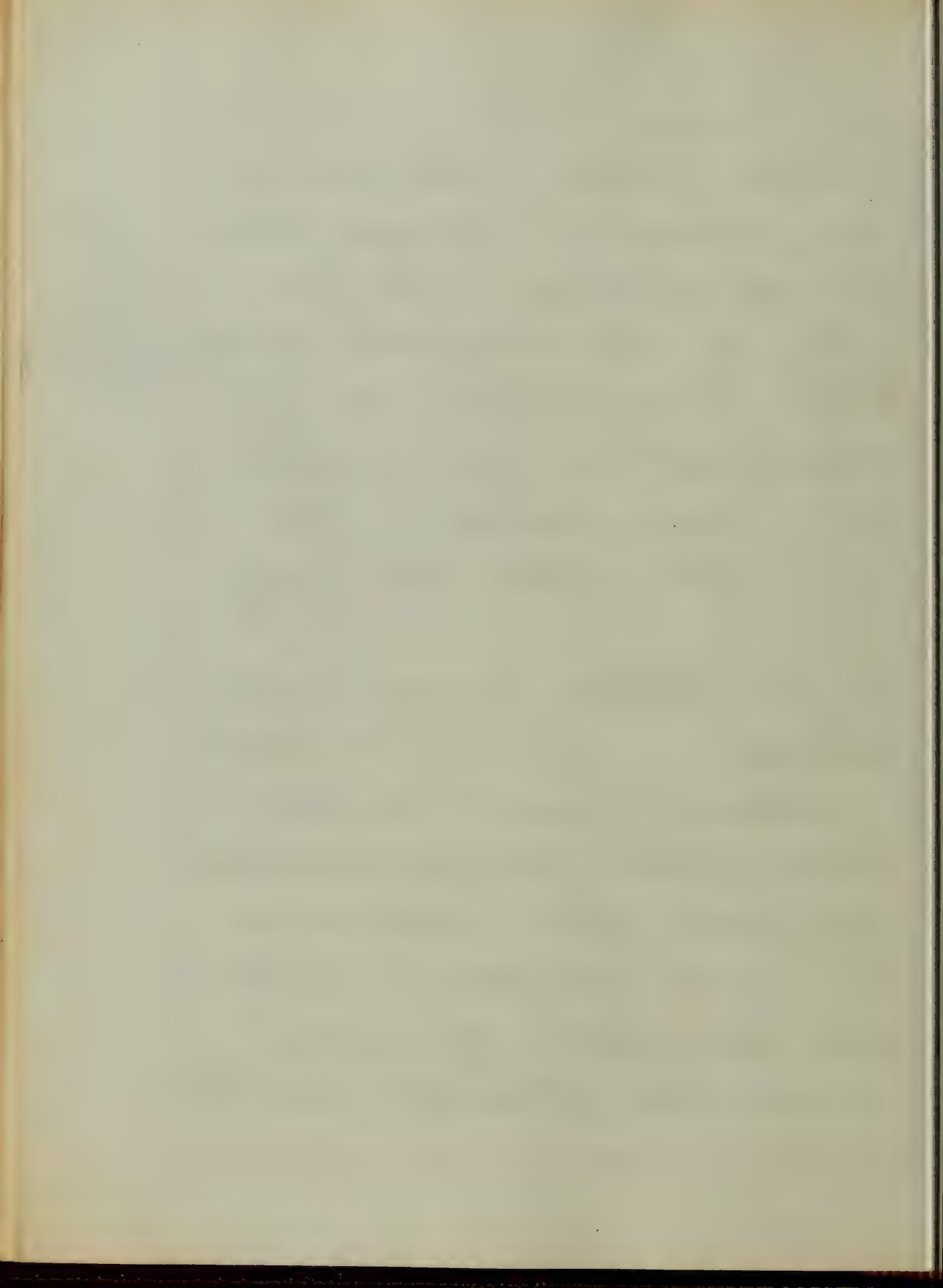
R Cinchonidia Sulph: grs. iij
Tinctura Ferri Muriat: grs. xv
Syr: Simplic ad L. S. Ft.
ʒi. m



This tonic was taken
in drachm doses, three
times a day up to
May the twentyeighth, then
the treatment was
changed to the following

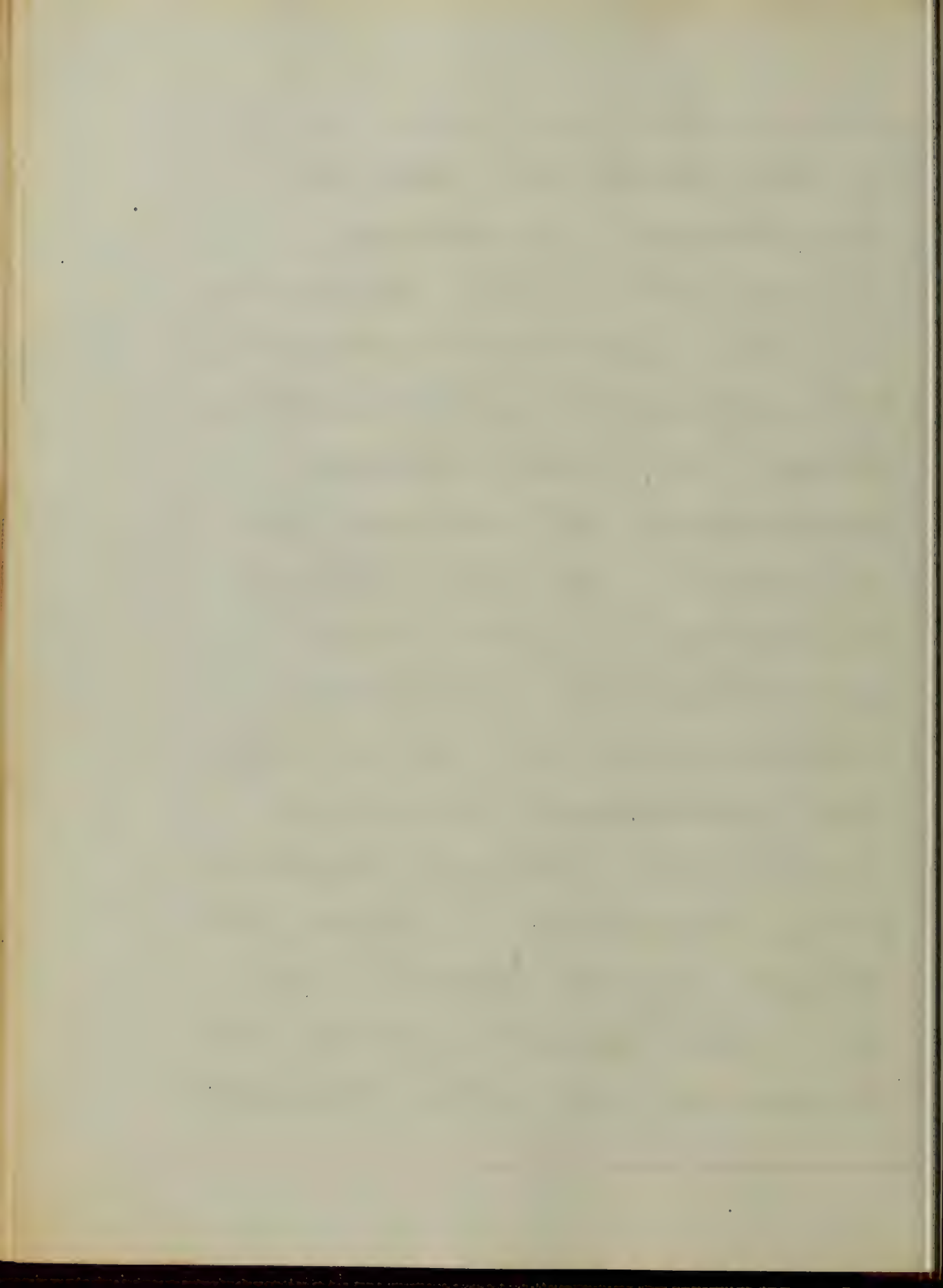
R Inf: Digitali ℥ss.
Spt: Aether: Nit: ℥ijss
M

To be taken every eight
hours. June 1st Our
patient has made
but little improvement,
infact the abdomen
is more extended with
the dropsical effusion,
and the specific gravity



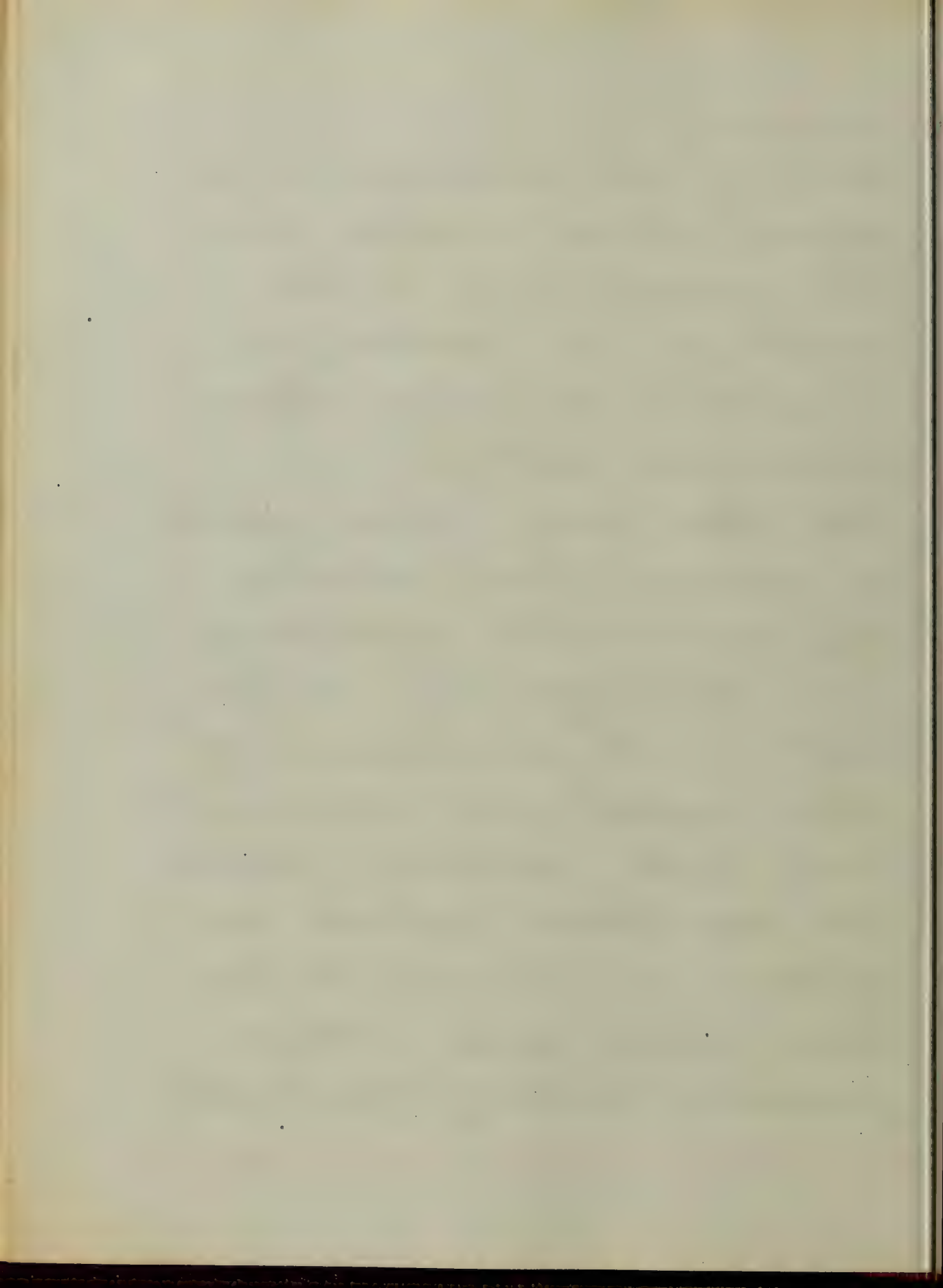
of his urine is 1.006. The treatment continued.

June 2nd This morning the patient complains of difficulty in breathing, and it was deemed necessary to remove the fluid. A four-tailed bandage was put around the patient's abdomen, so as to keep up continual pressure, while the fluid was being evacuated. Then the large sized needle of an aspirator, was introduced in the median



line of the abdomen and about three inches below the umbilicus to the depth of two inches. (the patient of course lying upon his back).

In this way three gallons of serum were drawn off and after tightening the bandage the orifice left by the withdrawal of the needle was covered over with adhesive plaster. He was then ordered one grain of Opium, to produce sleep and reduce peristaltic action of the intes-



times, June 3rd. Our patient
is much more comfortable
today, his breathing is
not so difficult.

The treatment was changed

R Tr. Ferri Muriat: ℥ij.

Liq: Ammonia Acet: ℥iiss.

Acid: Acetic: Diluti ℥jss.

Tr. Cardamom Comp:

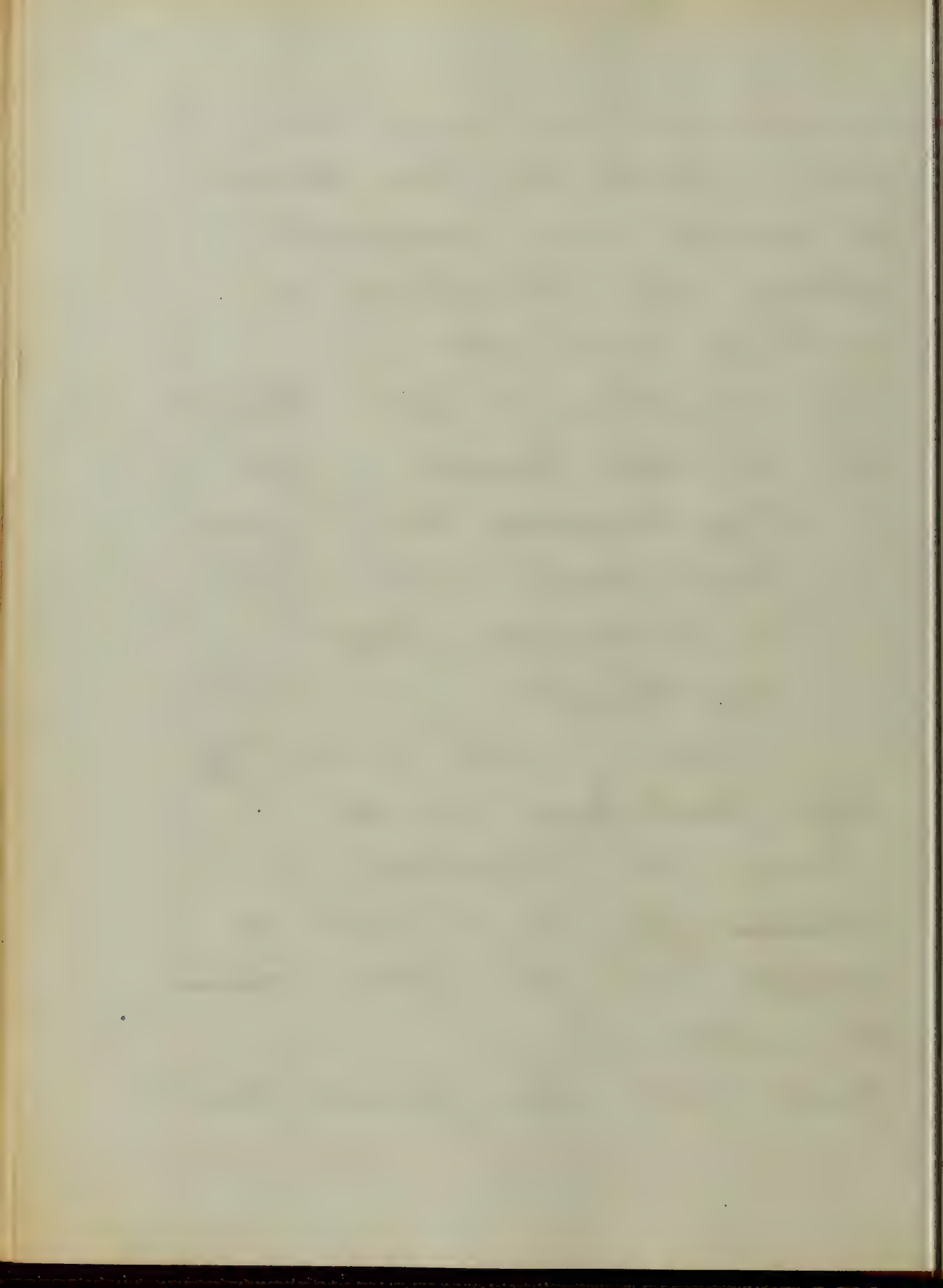
Syr. Simplic. — āā ℥i

Aqua ad. ℥. S. It ℥iij
℥ss

Sig: Coch: Mag: Ter die.

And the bitartrate of
Potassa ℥ss. to a pint of
water, to be taken during
the day.

July 18th. The fluid has

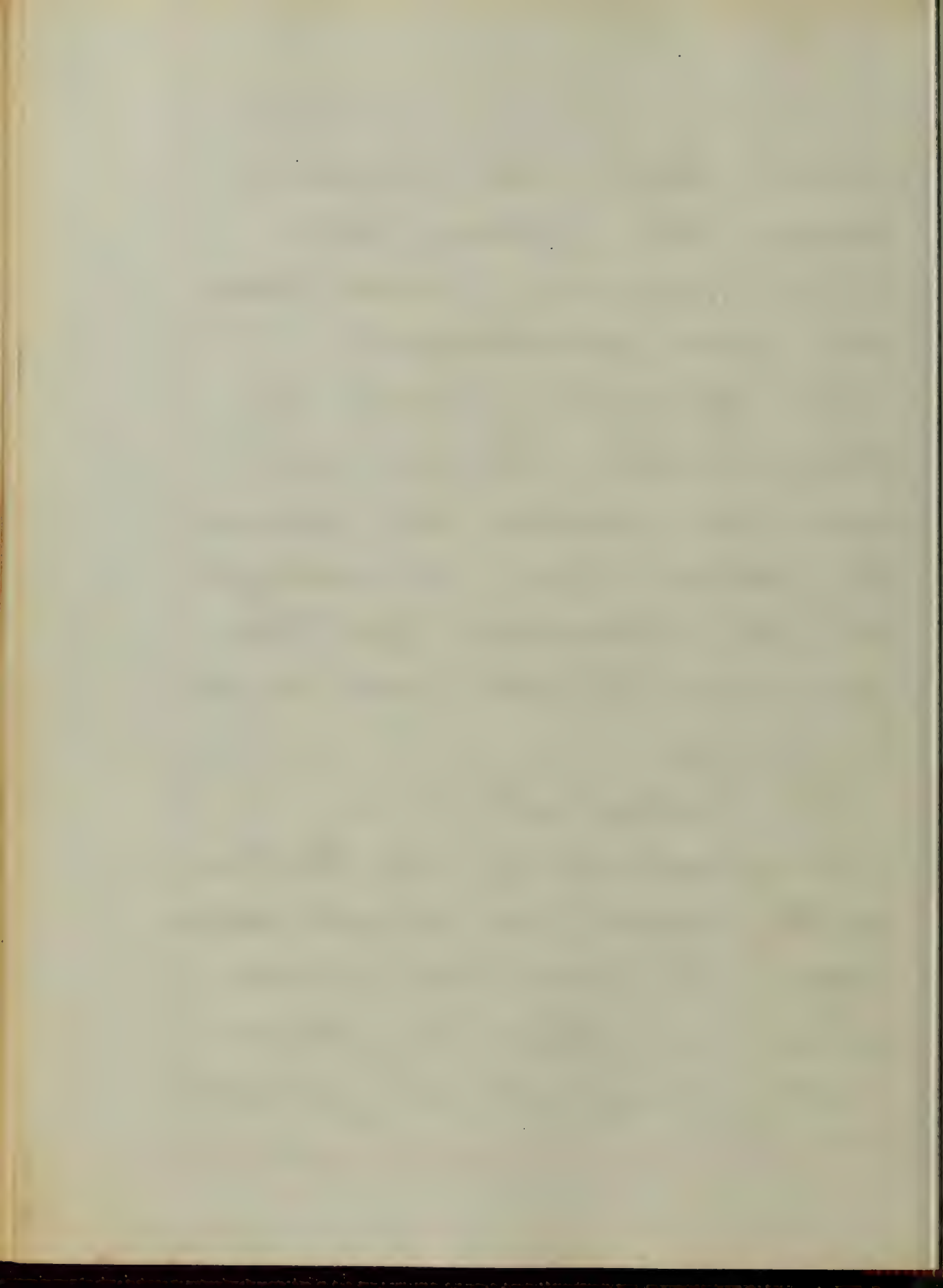


been kept in obedience,
since the tapping, with
these remedies, and today
he was discharged.

The Specific gravity of
this man's Urine never
reached above 1.010 during
the whole time he stayed
in the Hospital; yet his
general health was much
improved.

G. B. Wood M.D.

In speaking of the Spec. Grav.
of the urine, in Bright's disease
says "It has been dimin-
ished in this complaint
to 1.003 though it is generally
above this."



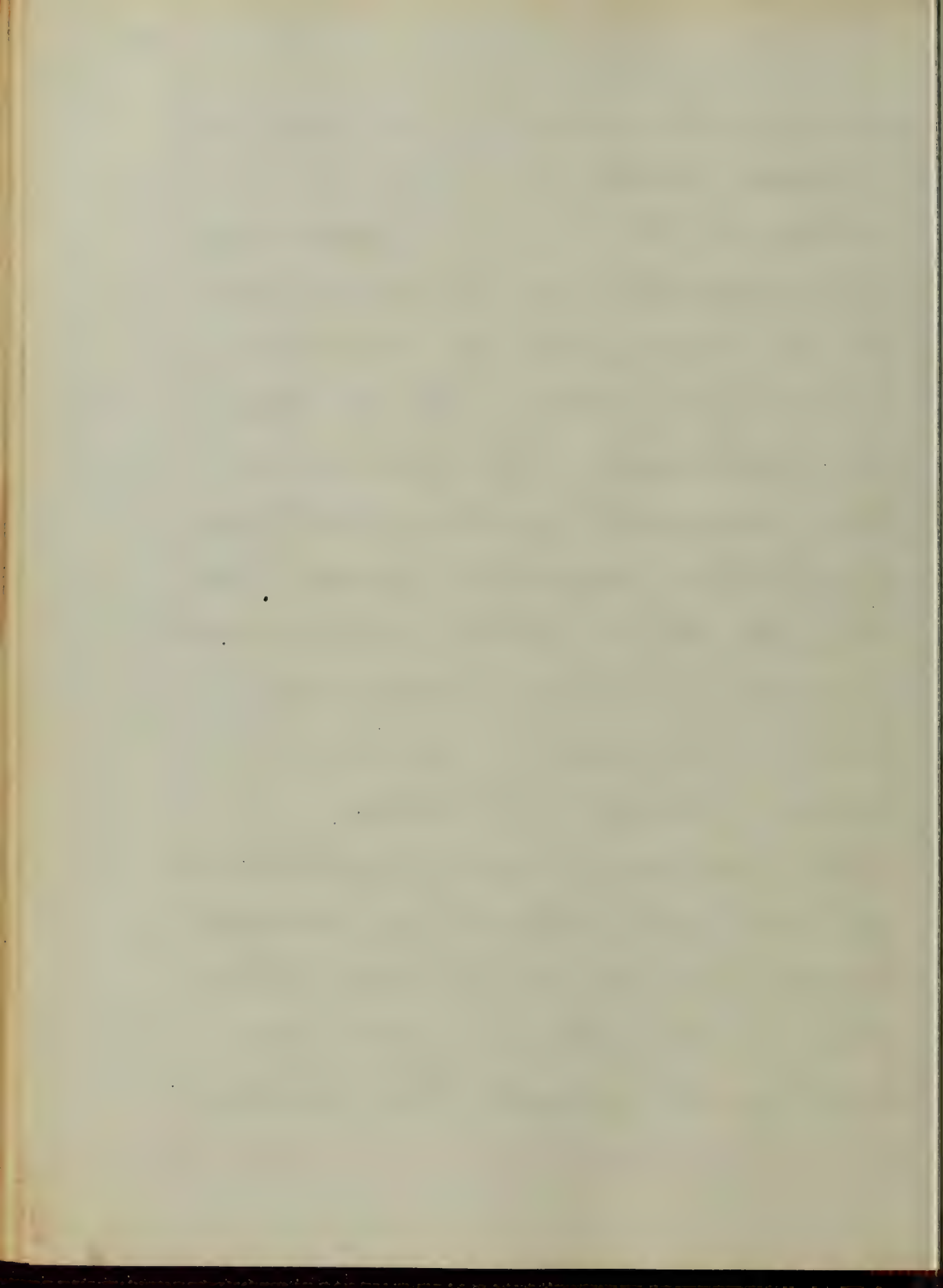
Case No. 4.

Bed 81, W - - - - - age, 43 yrs.

Occupation, a Stone Cutter
and resides in Baltimore.

History. Has been com-
plaining of pains in
the small of the back for
eighteen months, and has
had but little treatment
prior to his entering
the Hospital, which
was June 19th 1874.

The urine was examined
first its spc. Grav. which
was found to be 1.035. Then
the test for sugar was
employed, and the urine



showed that it contained a large quantity.

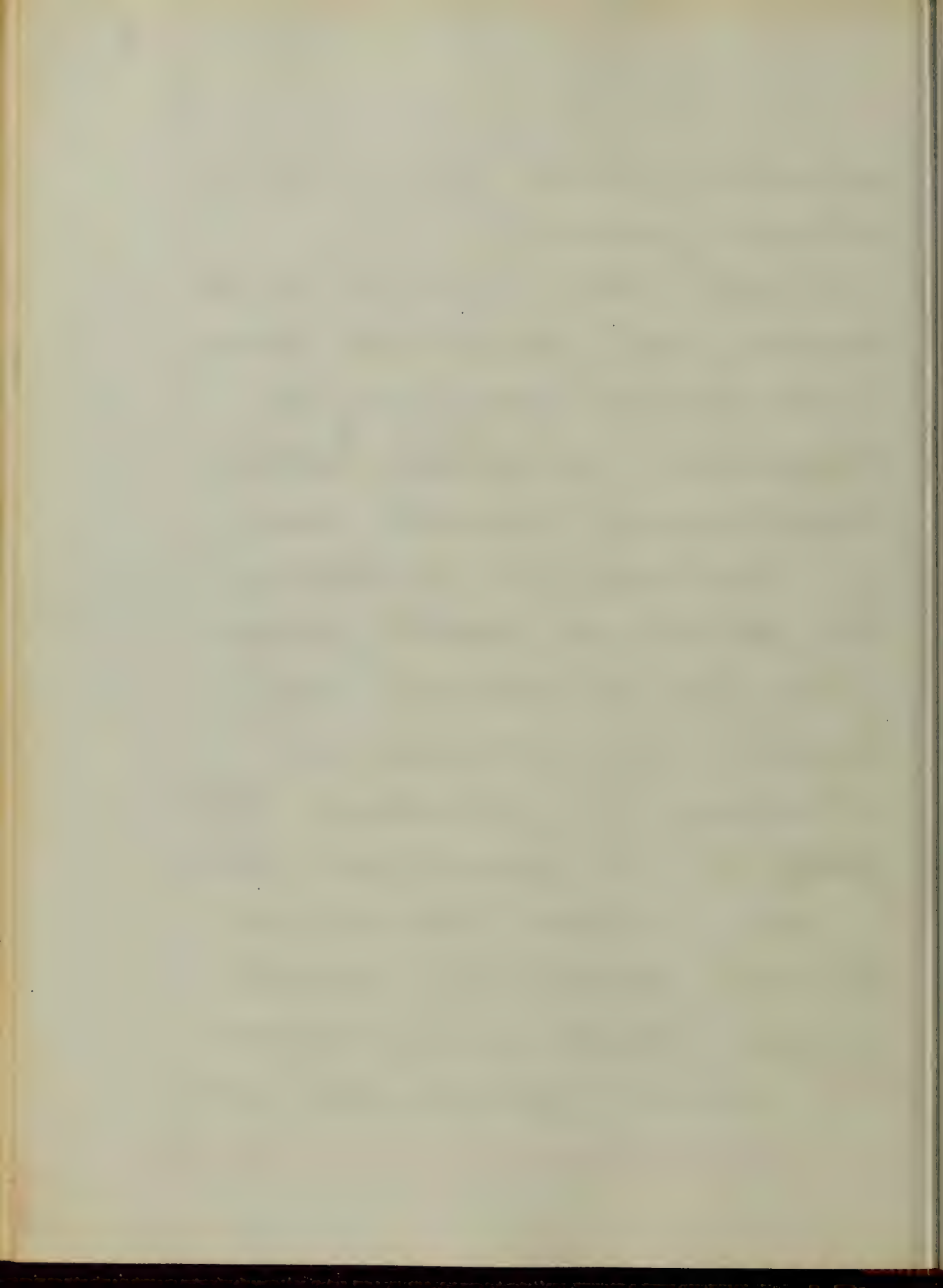
Besides these changes in the urine, its quantity was increased very much.

Diagnosis, Diabetes Mellitus,

Treatment, Creasoti was ordered, to be taken,

two drops in water, every four hours, and at night one grain of Opium, to produce sleep.

July 10th I examined the urine today found its specific gravity 1.035, and sugar still abundant. The lower extremities are



slightly oedematous.

July 16th treatment slightly
changed to

R Creasoti gttss vxx

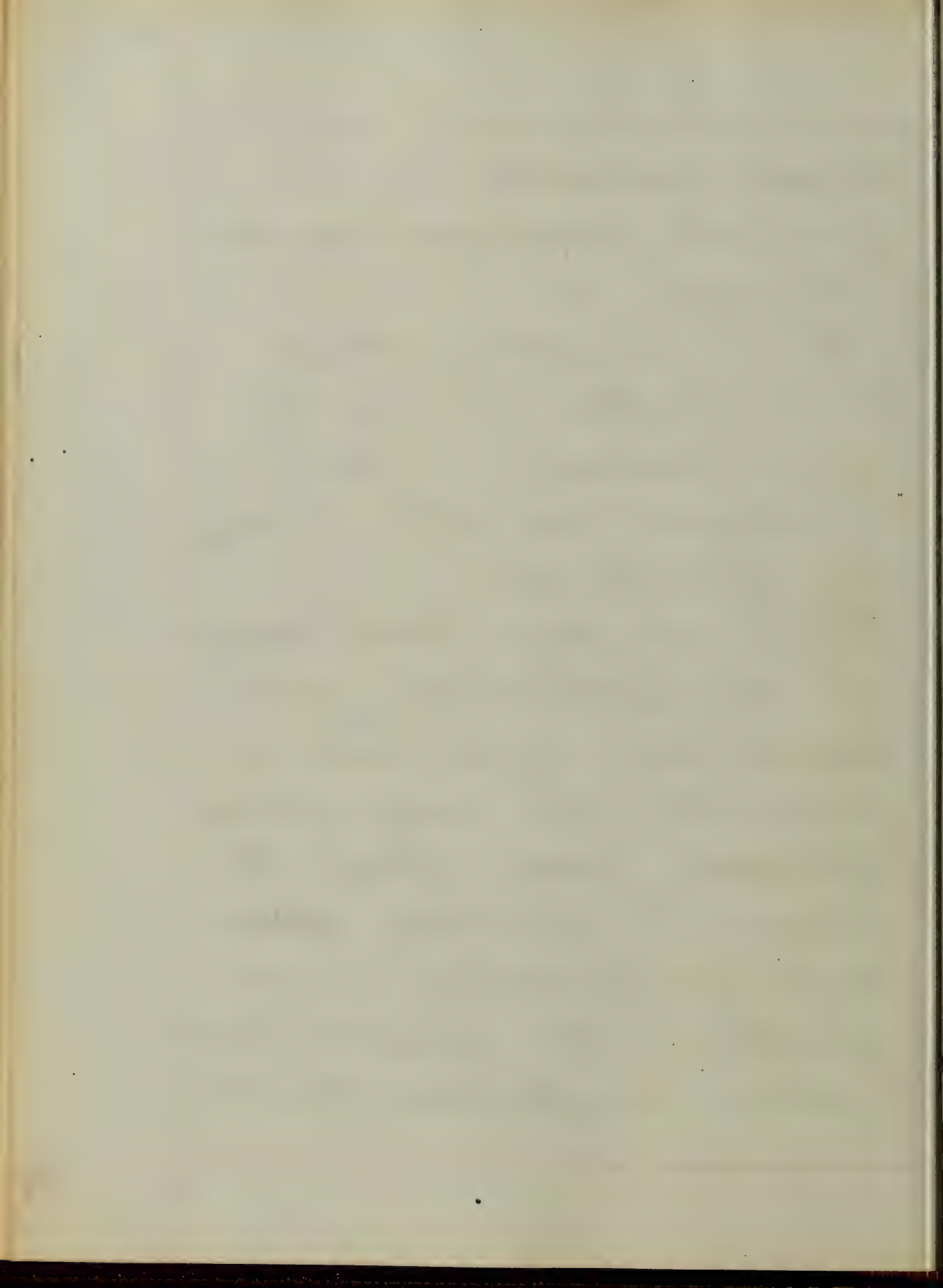
Ti. Opii ℥ij

Acacia ℥iv

Aqua ad 2. S. ℥ ℥iij ℥

℥ij. ℥ss. Tii dii.

There is very little change
in the symptoms from
day-to-day and up to
July 22nd the only change
noticeable, was that the
desire to urinate was
not so marked, and
further, the urine had
fallen in sp. grav. to 1.032.



July 28th This morning I
find my patient suf-
fering with an attack of
diarrhoea. He was ordered
to stop the Creasote and take

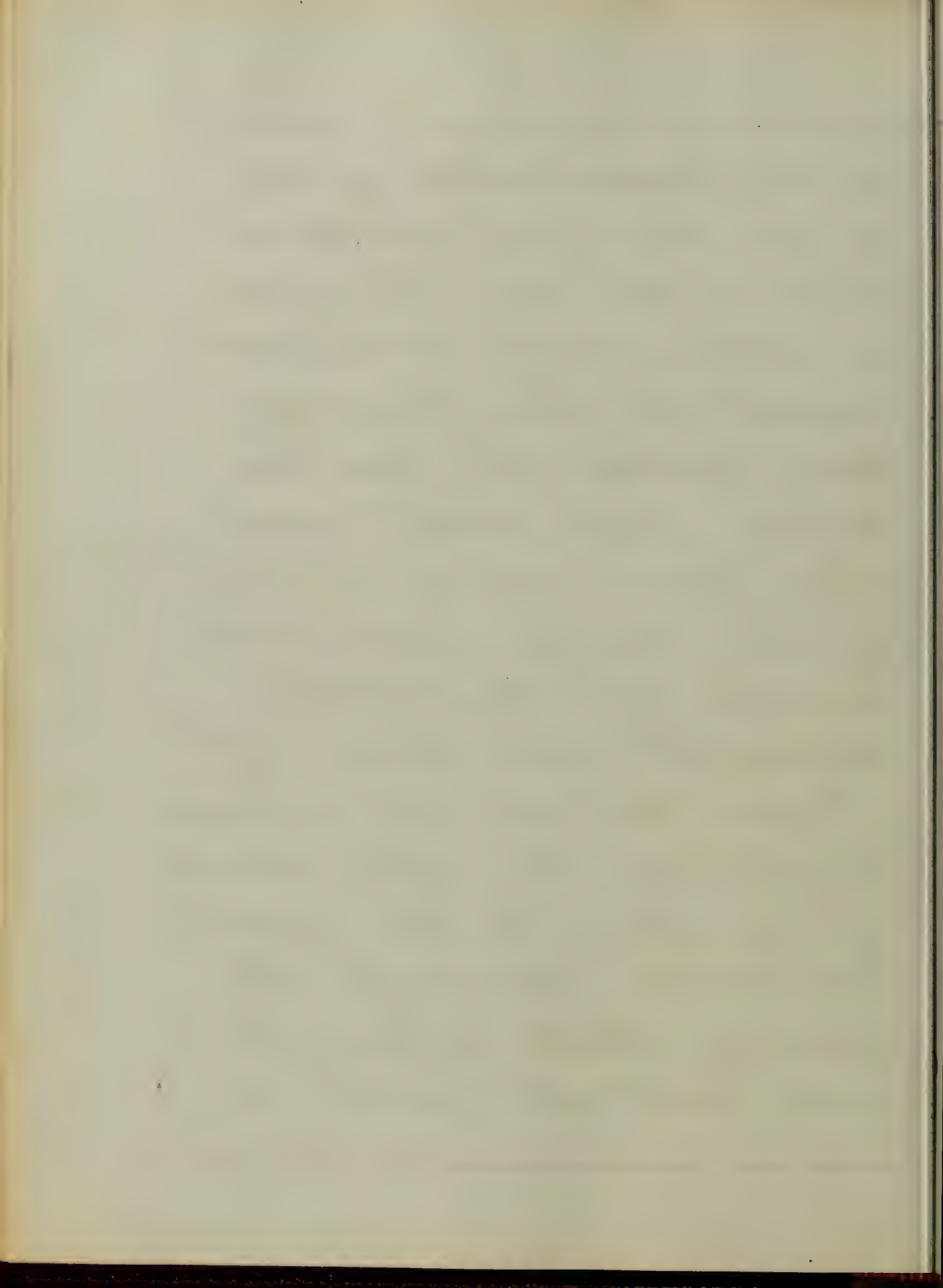
R Pulv. Opii grss.
" Kino grss. v.

Sig. Omni: Terebinth.

The evacuations continued
watery for one day, and
were not entirely controll-
ed until the medicine
had been given three
days. August 1st The
Creasote and opium
prescription, was renewed.
August 3rd I made

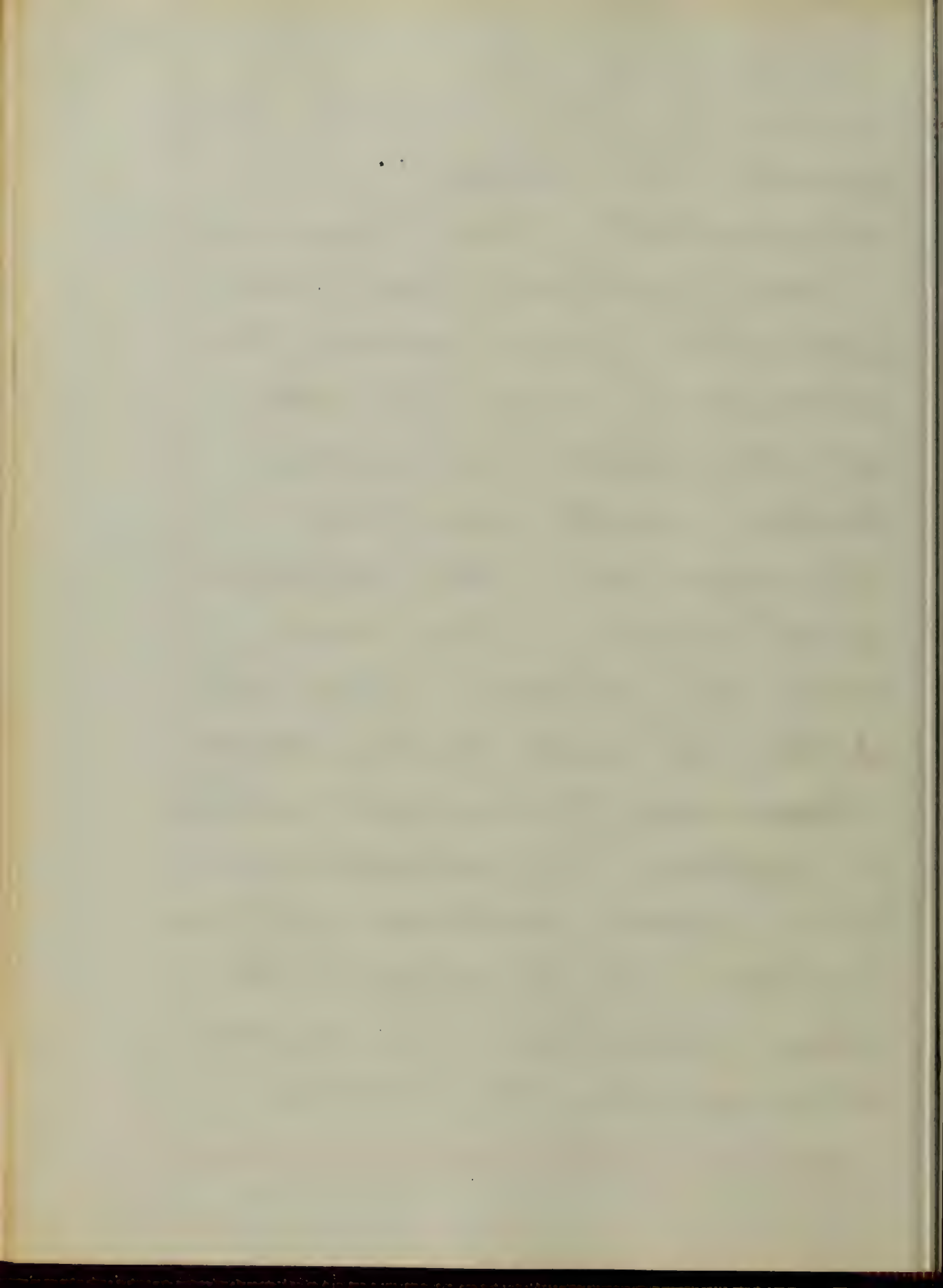
another examination of the urine, and find its Sp. Grav. still at 1.032, but the sugar is some what less, compared to the previous examinations that have been made. Tube casts were also seen when a drop of the urine was put under the microscope.

August 6th The thirst of our patient is increasing, and he often drinks from four to six quarts of water during the day. Water appears to have lost its power to



quench his thirst.

August 10th This morning
our patient has considerable pain about the
abdomen and tonight
at 11 o'clock he was
taken with severe
cramps in the stomach
and legs. The pain
was so sharp, that at
12 P.M. he was given seven
minims of Magondii's Solution
of Morphia Hypodermically
which soon relieved him of these
pains. Up to August 29th
there has been no decided
change in the urine.



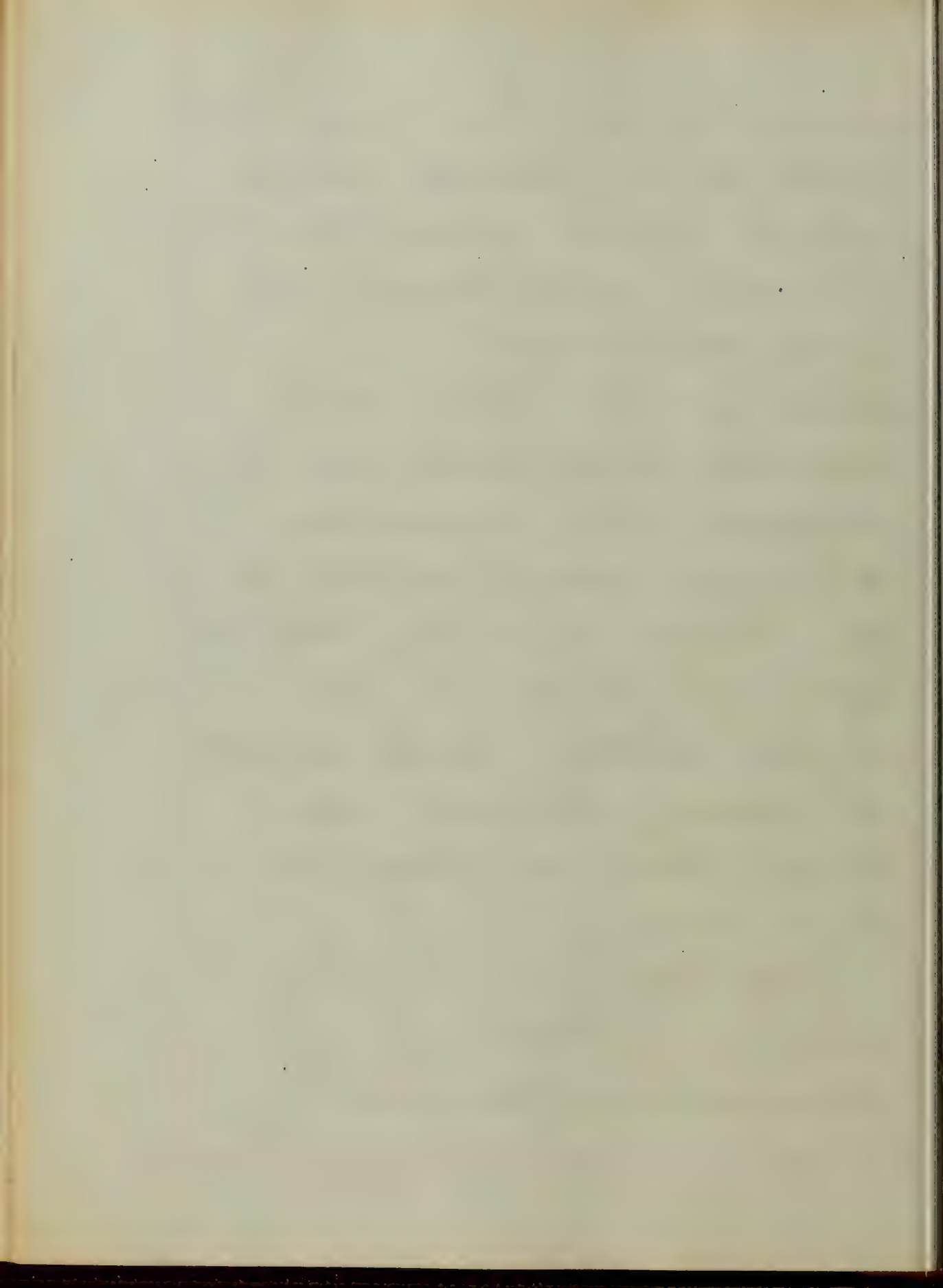
Still, he is gaining some flesh. And about the middle of September he was discharged.

During the time he received treatment in the Hospital, his symptoms changed very slowly for the better. Yet the day he left, he said, "he felt much better" and in fact he really looked so. His thirst not as great as it had been.

Case, No. 5.

Chas. W. Smith,

Occupation Seaman.

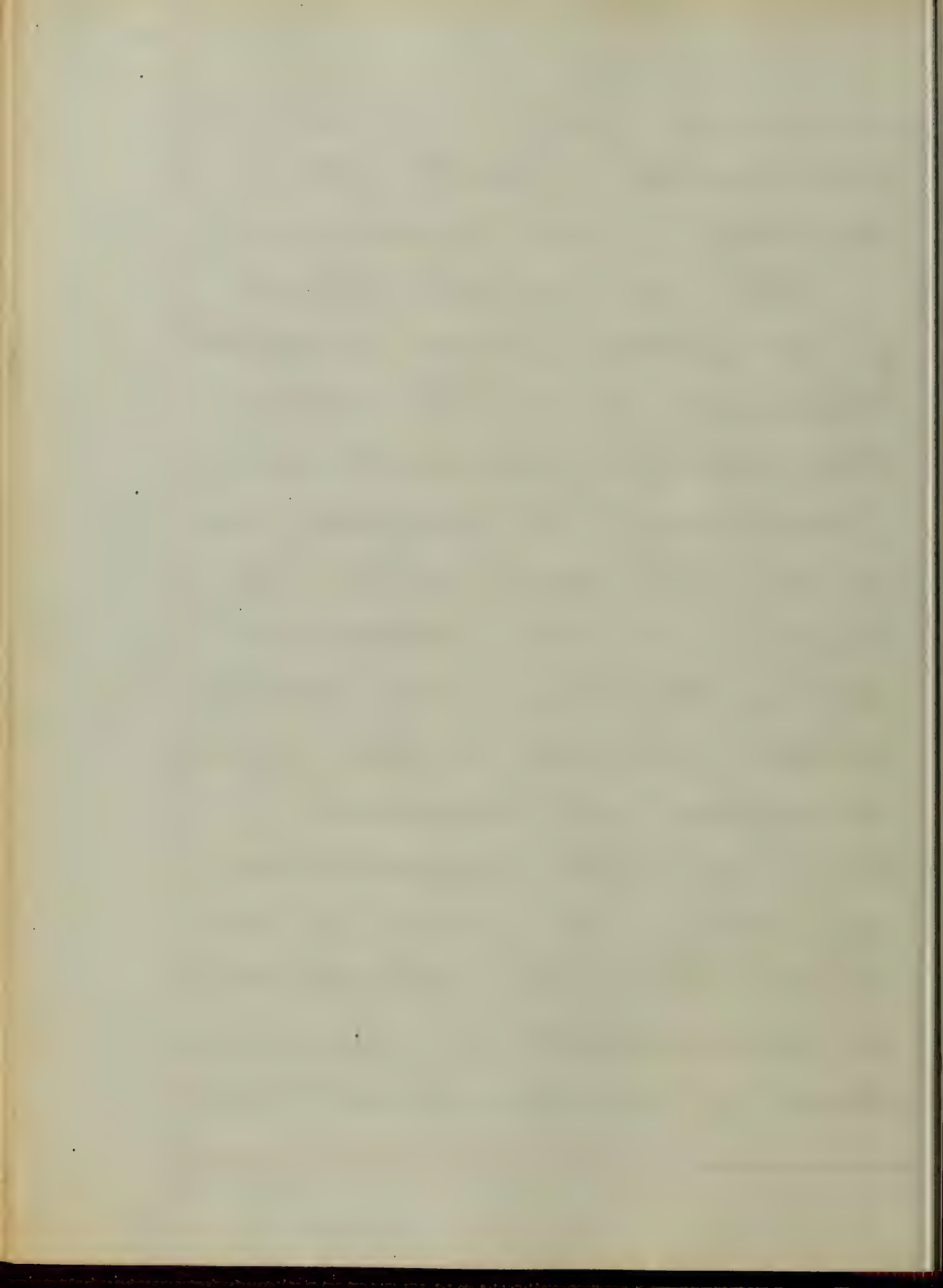


admitted Dec. 1st 1874

History. has been sick for one week, when first taken, had a slight bleeding from the nose.

Symptoms present on entering the Hospital, were, high fever, temperature 106° and pulse 100. Abdomen tympanitic; and rose colored spots over its surface which disappear on pressure.

There is also pneumonia affecting the base of each lower lobe. The sputa also is characteristic of pneumonia being of a somewhat rusty



colour. The diagnosis was
Typho-pneumonia.

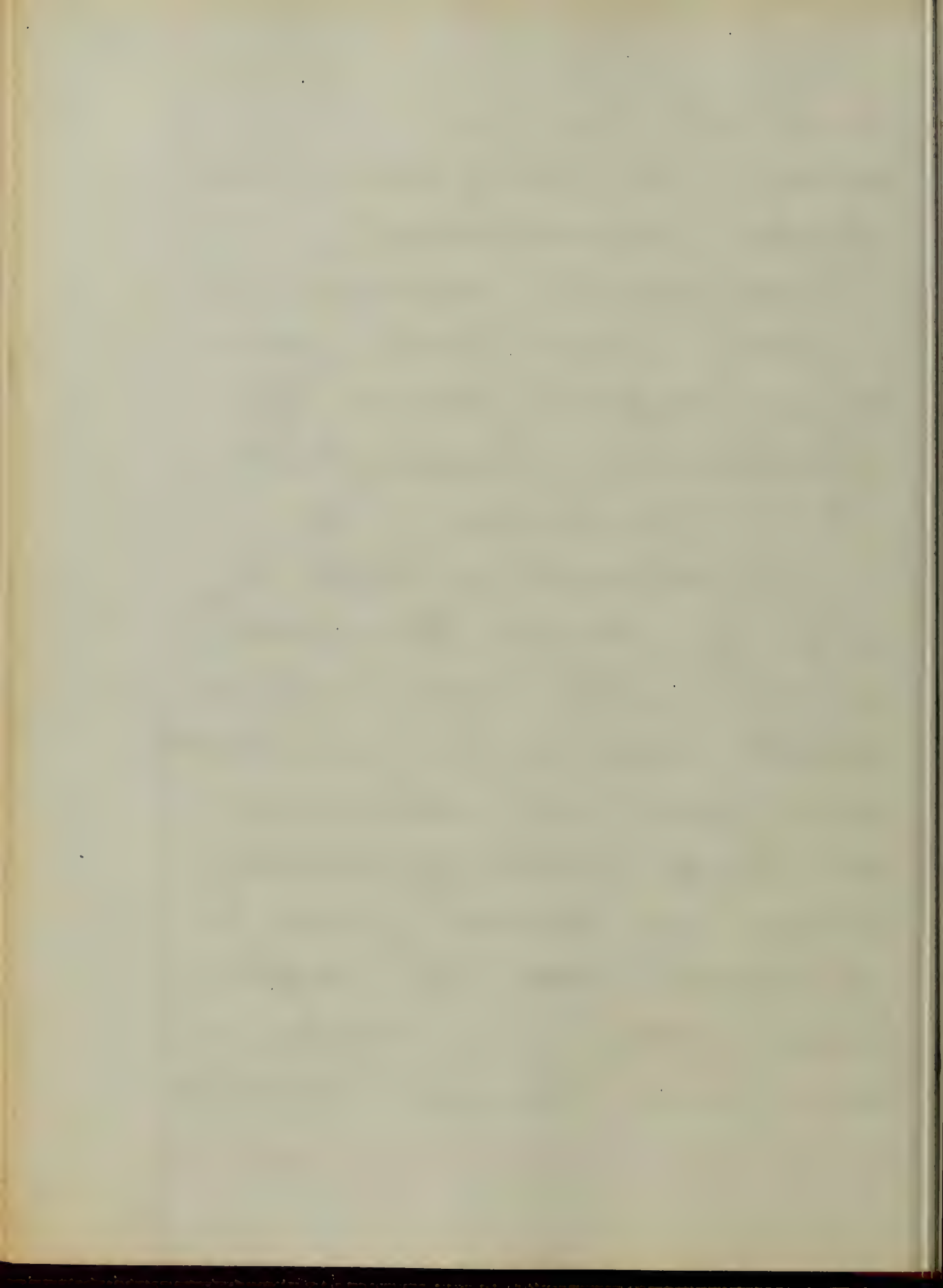
Treatment, ordered to
take Dover's Powder, gr \times
every night, and the
following prescription.

R Syr. Scillae ℥ij

Cinchonidiae Sulph: ℥ij[℥]

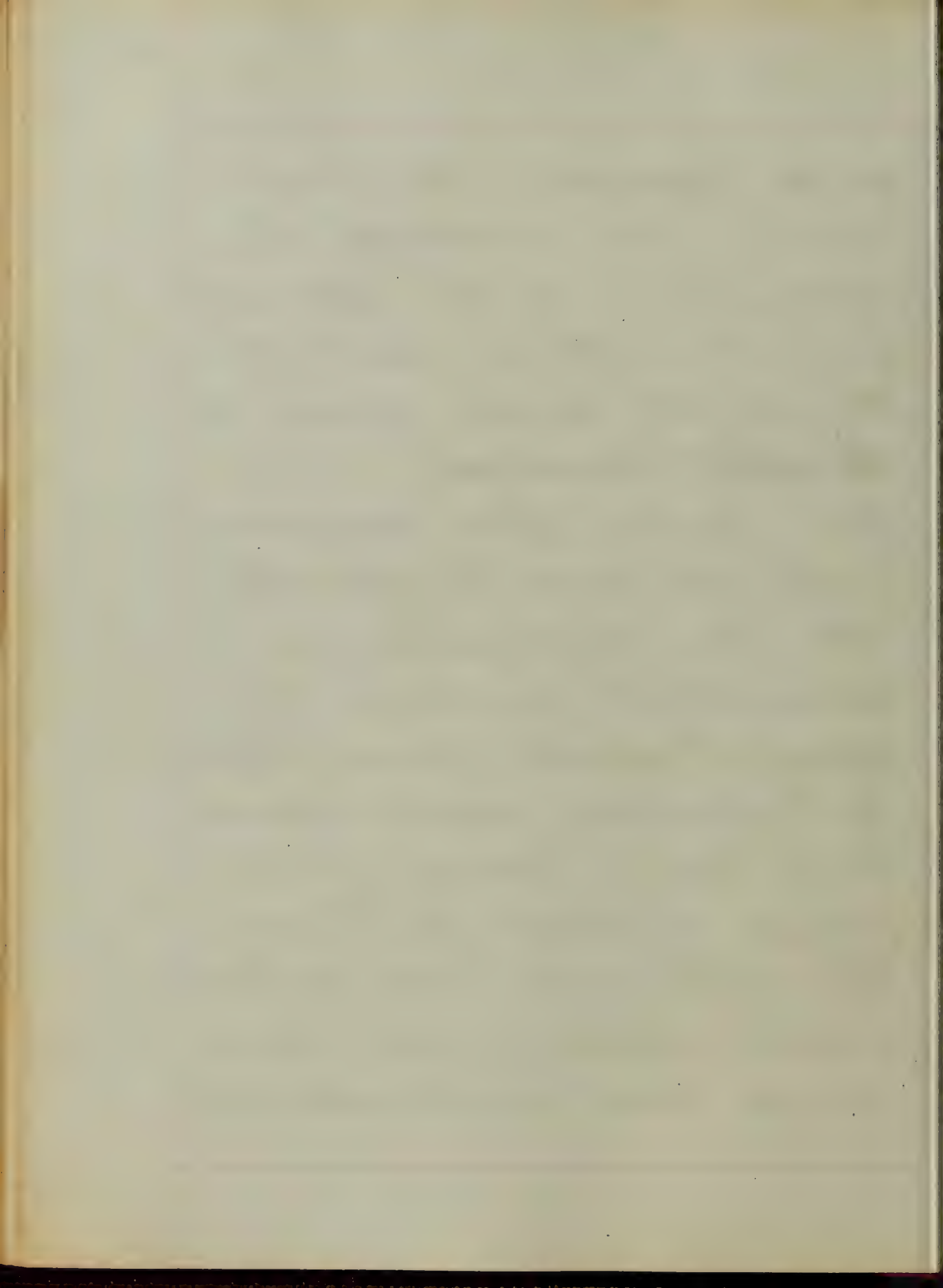
Sig: ℥ij every three hours.

Dec: 2nd The rose coloured
spots upon the abdomen
are not so abundant
as they were yesterday.
there is more pain on
pressure over the right
iliac fossa, the tongue is
dry and the lips cracked



and fissured, the pneumonia has involved the entire lung of the left-side, and the upper part of the right lung appears to be still normal.

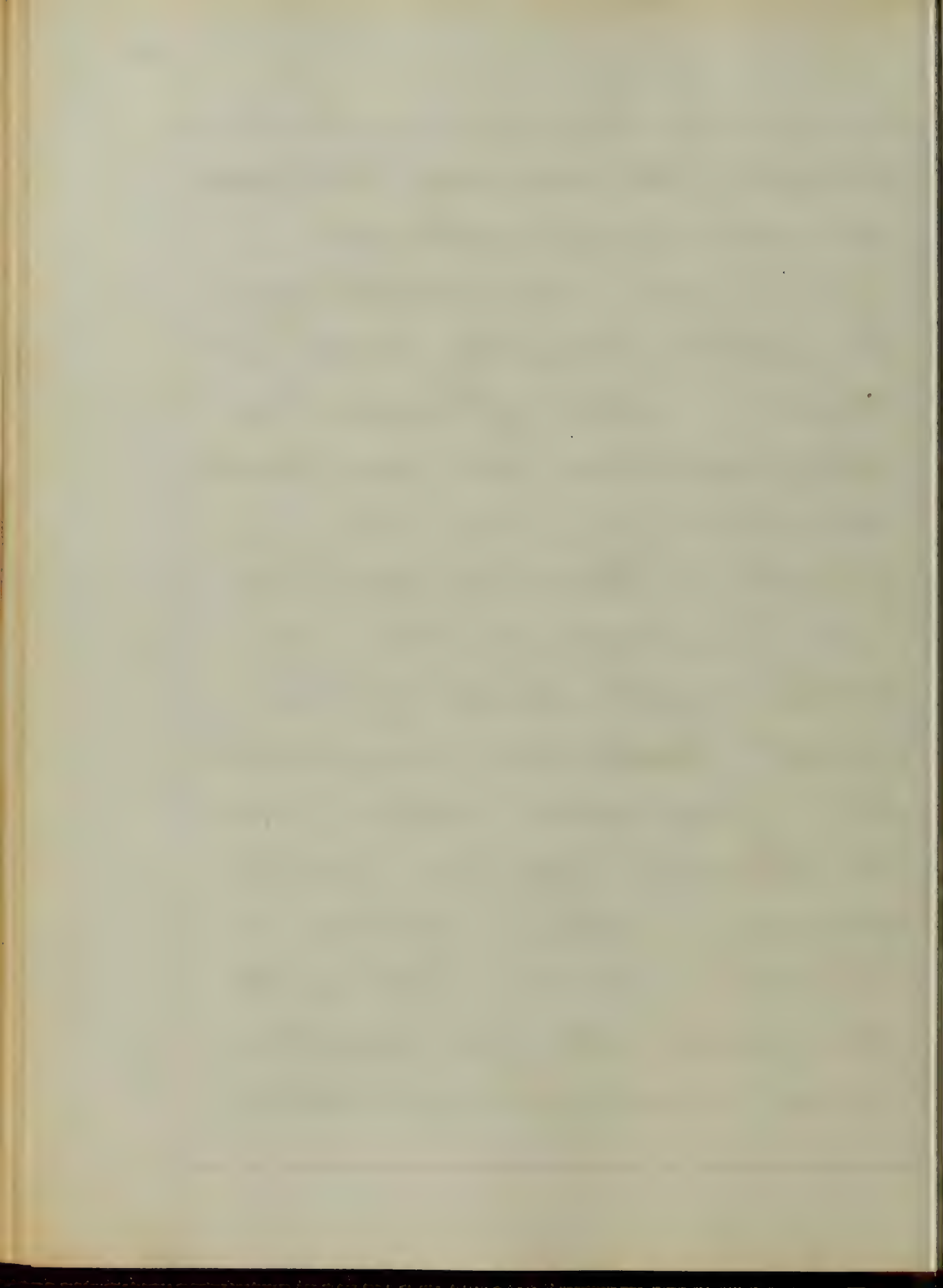
The pulse this morning was 100, and temperature 104° , the respiration is somewhat hurried. The Syrup of Squills, and Sulphate of Cinchonidia were ordered to be taken every four hours, instead of three. This afternoon our patient seems drowsy, his pulse 100 and temperature 105° .



Dec: 3rd. This morning his pulse 100, and temperature 106°.

Bowels are constipated, says "he slept tolerably well last night;" this afternoon his temperature 105° and pulse 102 beats per minute.

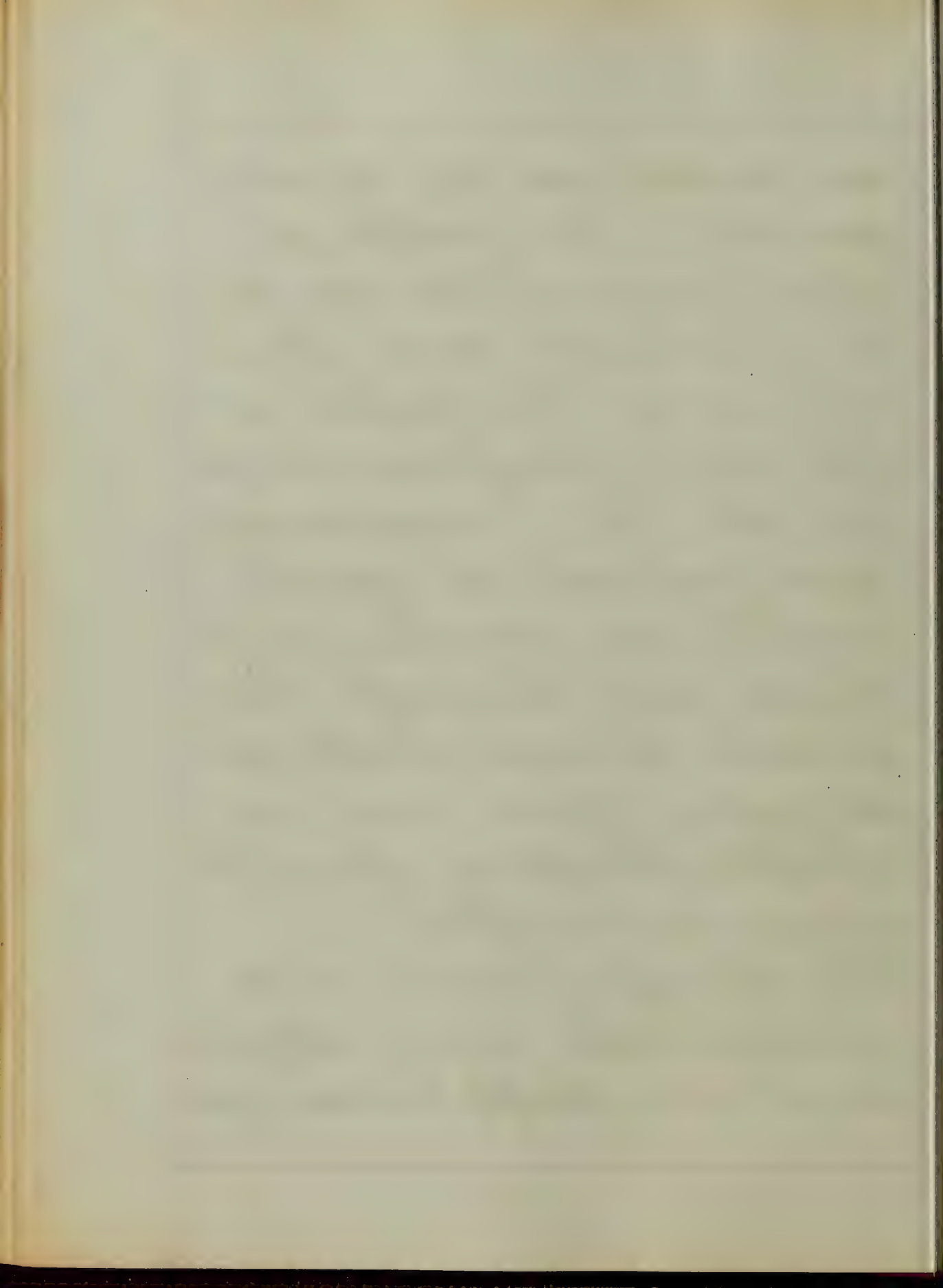
Dec. 4th. There is dullness on percussing over the entire right side of the chest, and on auscultation. Crepitant râles can be heard together with sonorous ronchi, under the clavical, on the left side, dullness on percussion; and subcrepitant râles



are heard in the upper
bronchi. The pulse 102,
and temperature 104° in
the morning, and this
afternoon his pulse is
100, and temperature 105.5°

Dec. 5th. This morning
our patient is quite
weak. He complains of
pain all through his
limbs. Bowels still con-
stipated, there was a
slight bleeding from the
nose, last night.

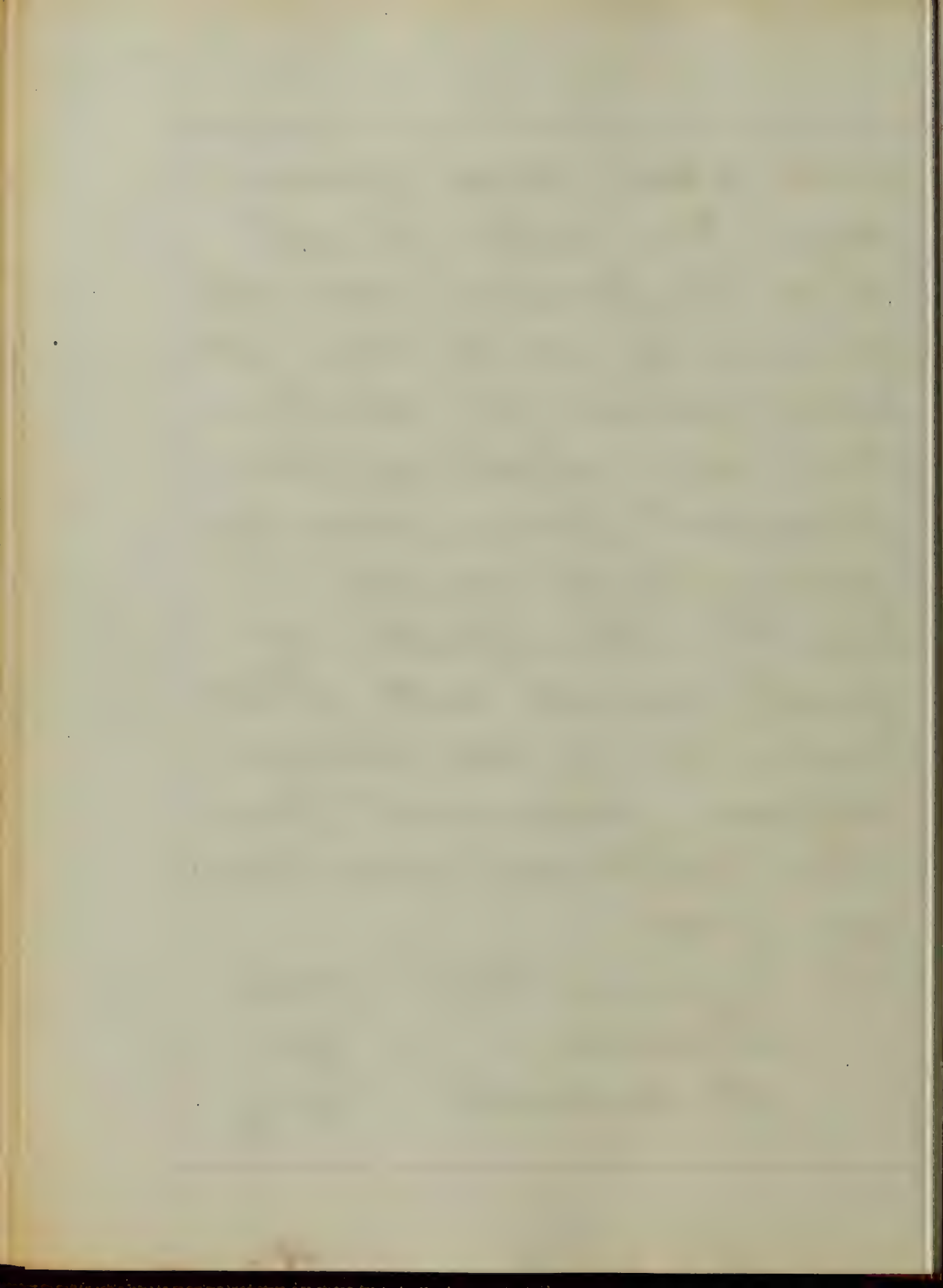
The Syrup of Squills and
Cinchonidia, were stopped
and the Sulph. Quinia given



to be taken three times a day. His pulse is 104, and temperature 105.5°, this morning, and this afternoon, pulse 106, temperature 106°. Diet up to the present time, has been principally milk.

Dec. 6th The sputa is freely mixed with blood. Very little of the lungs appear permeable to air. The treatment was changed today.

R. Iruinia Sulph: gr̄viiij
 Glycerini ℥i
 Ol: Terebinth: ℥i ℥i

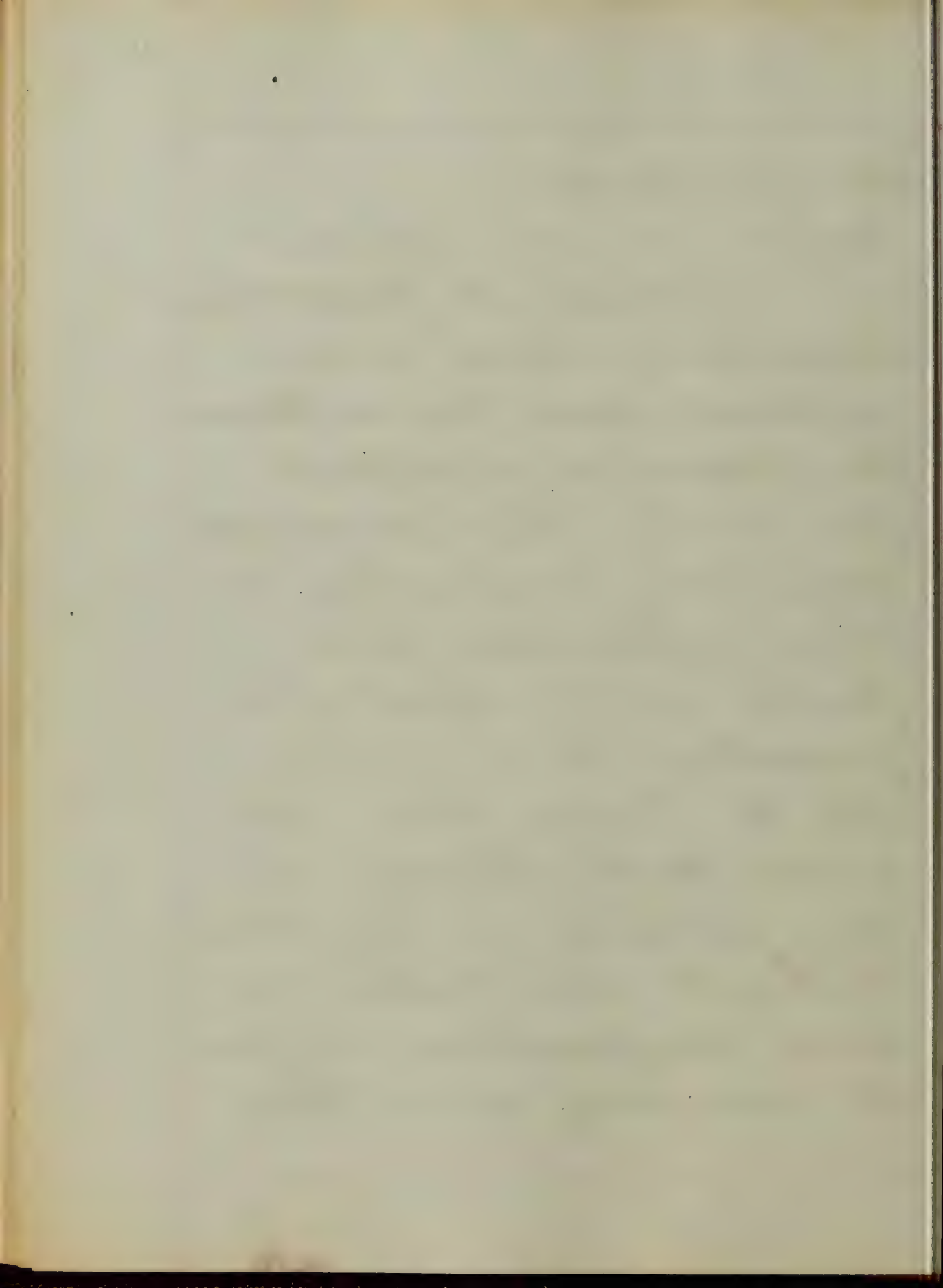


Diq: Zi Indii.

and as an aperient
Calomel et Ipecac^{aa}grising
Turpentine stupes were
applied over the abdomen
as counter-irritants.

The pulse this morning
was 108, temperature 106°.
this afternoon his
pulse is 115, and tem-
perature 106°.

Dec. 7th Today there is
a marked change in
our patient, for the worse
I think, his pulse 120,
and temperature 107°, in
the morning, and this



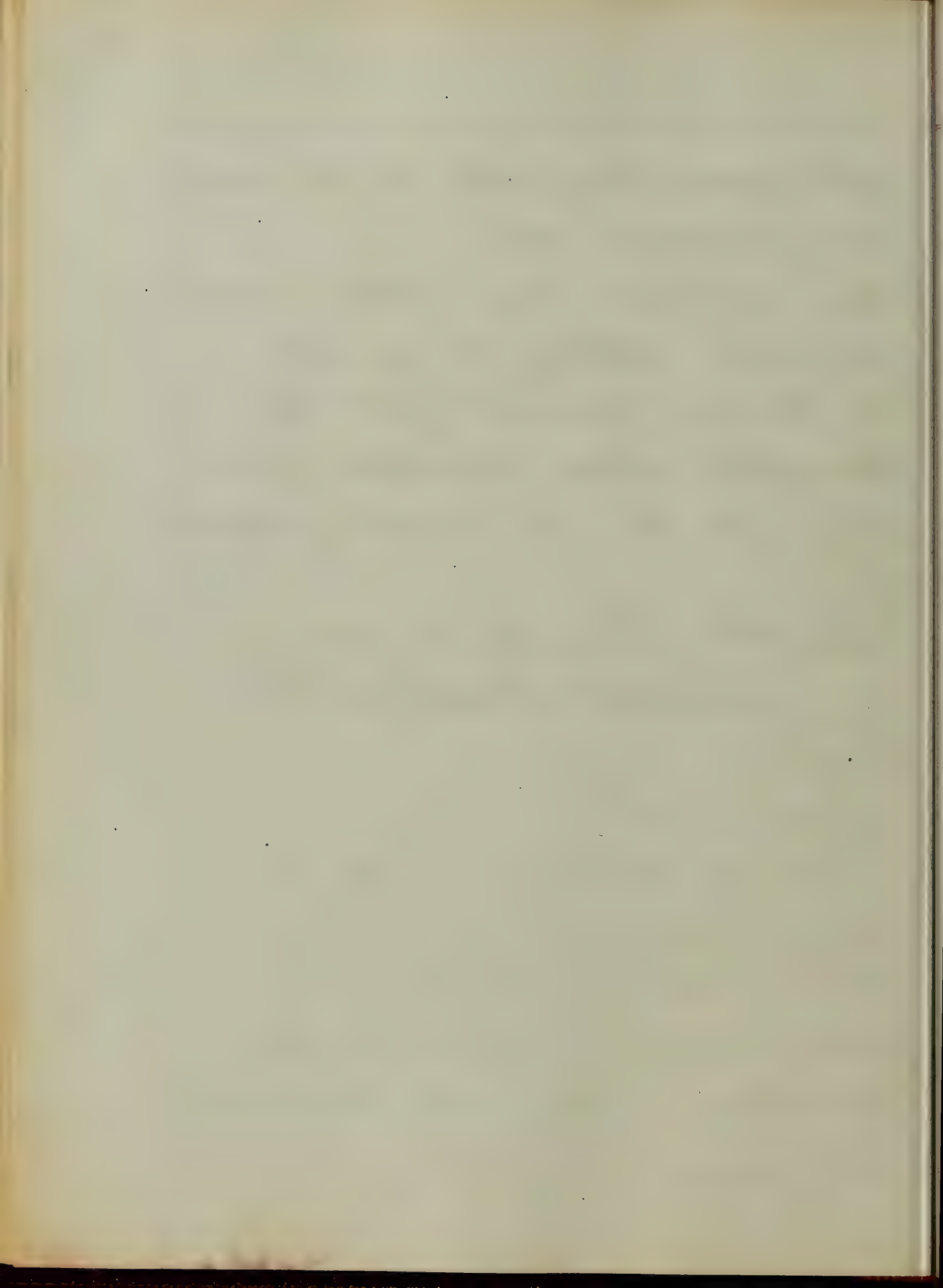
afternoon his pulse is 122, and
temperature 106.5°.

Our patient has taken milk
punch today every two
or three hours, yet no
benefit has resulted from
it and he is sinking rapid-
ly.

Dec. 8th This morning our
patient breathed his
last.

Case No. 6th

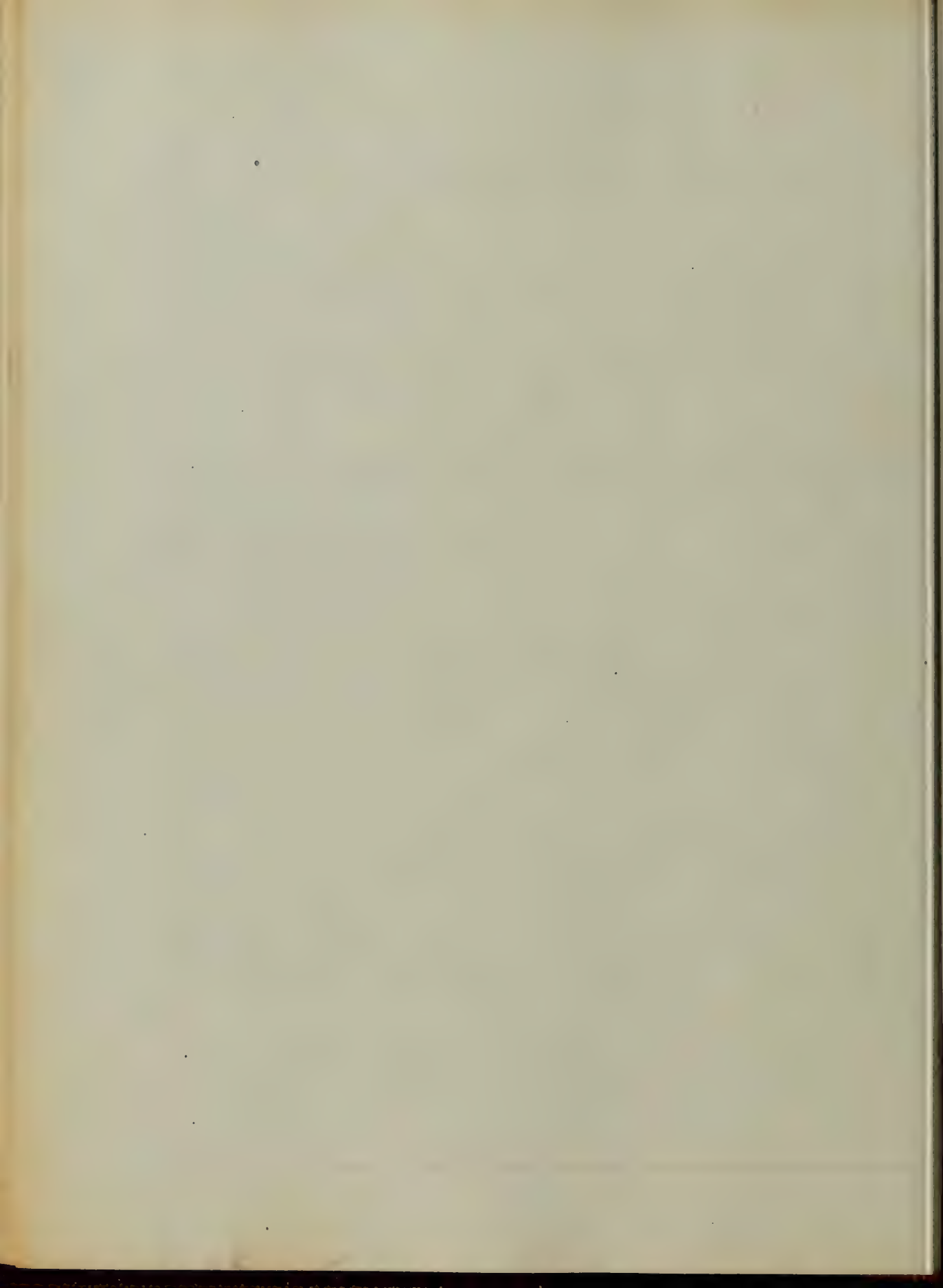
Henry Spinner age 47
admitted June 3rd 1894
Occupation Labourer,
Resides in Baltimore
History - Has an eruption



upon the buttocks and
 prepuce, which first made
 its appearance about four
 weeks prior to his en-
 tering the Hospital.

This eruption commenced
 upon the prepuce and
 its cause was traced to
 the young man having
 had irregular intercourse
 with a woman.

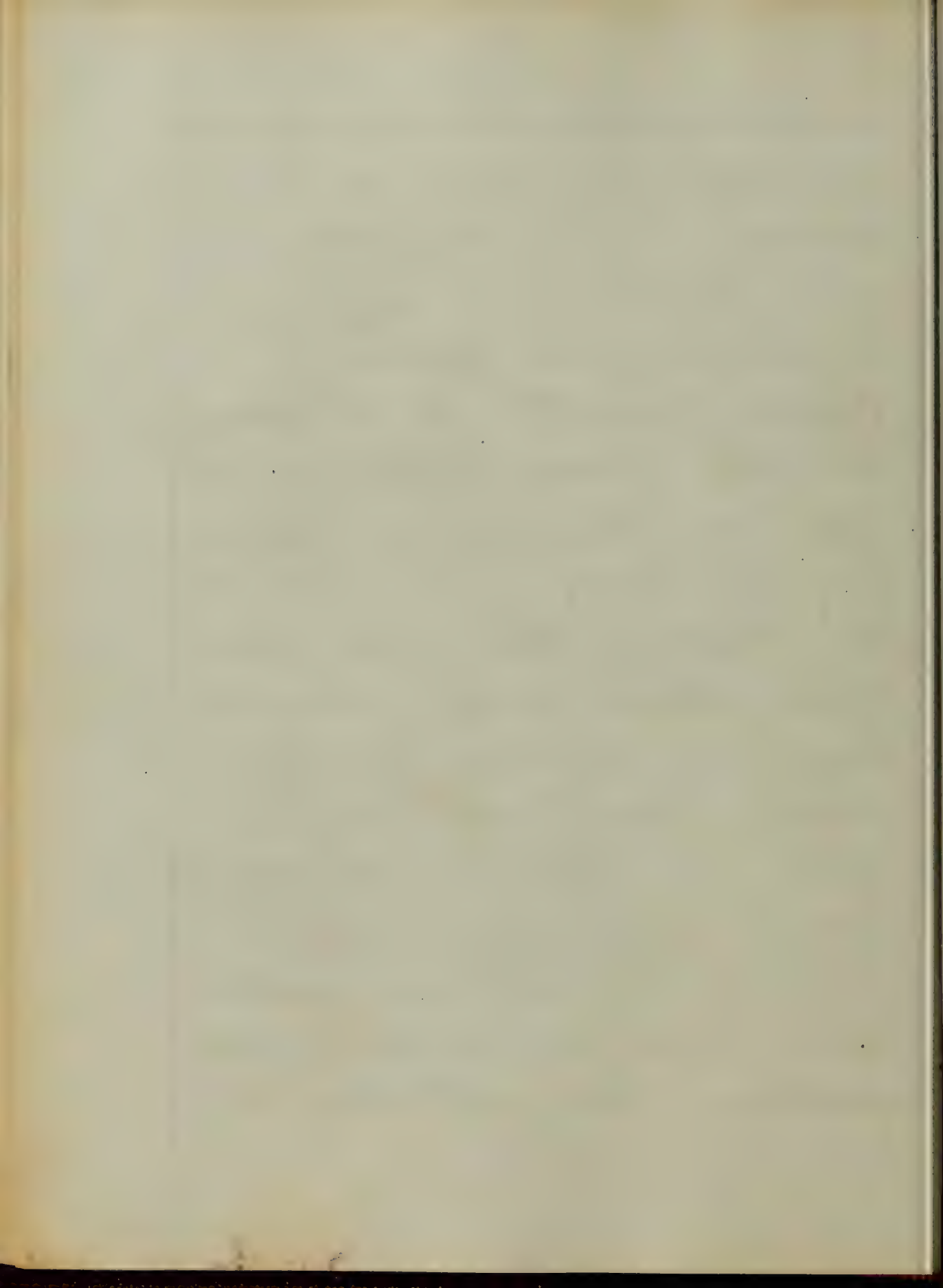
There was considerable
 itching about the parts
 affected, and (as the young
 fellow appeared a little
 afraid of the use of
 water) together with the



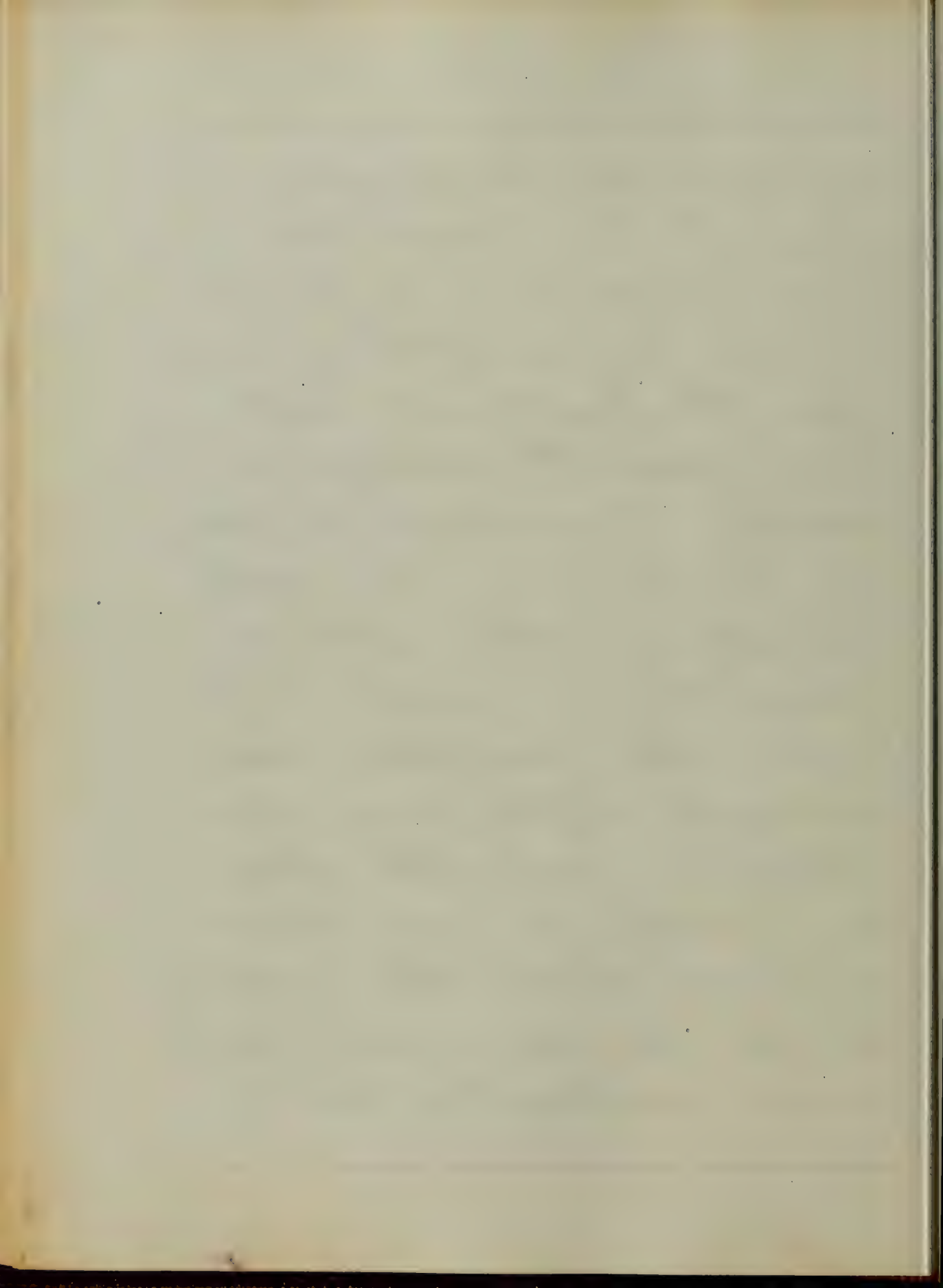
vesicular appearance of the
disease. The diagnosis
was *Scabies*.

Treatment and Effects.

From June 3rd up to June 5th
he took cinchonidia, gr. iij.
Tinct: Ferri, Muriat: gr. xv. and
orange water added, to make
one drachm: This was taken
three times a day. Then on
June 5th Calomel gr. xv.
were taken at bed-time.
June 6th Sulphate of Magnesia
Taken before breakfast.
During the day our patient
had three or four watery evac-
uations. This afternoon the



eruption is disappearing.
 June 7th The "House Tonic"
 was ordered to be repeated
 in the same dose (Zi Jui).
 June 8th Treatment contin-
 ued. June 9th Ordered a
 wash. Bicarbonate of soda
 Zij water Zij. to apply
 locally, to allay itching.
 June 10th The wash contin-
 ued. The eruption has
 entirely left the penis, and
 there is very little upon
 the buttocks. It was also
 noticed that the orifice
 of the prepuce was some-
 what contracted and



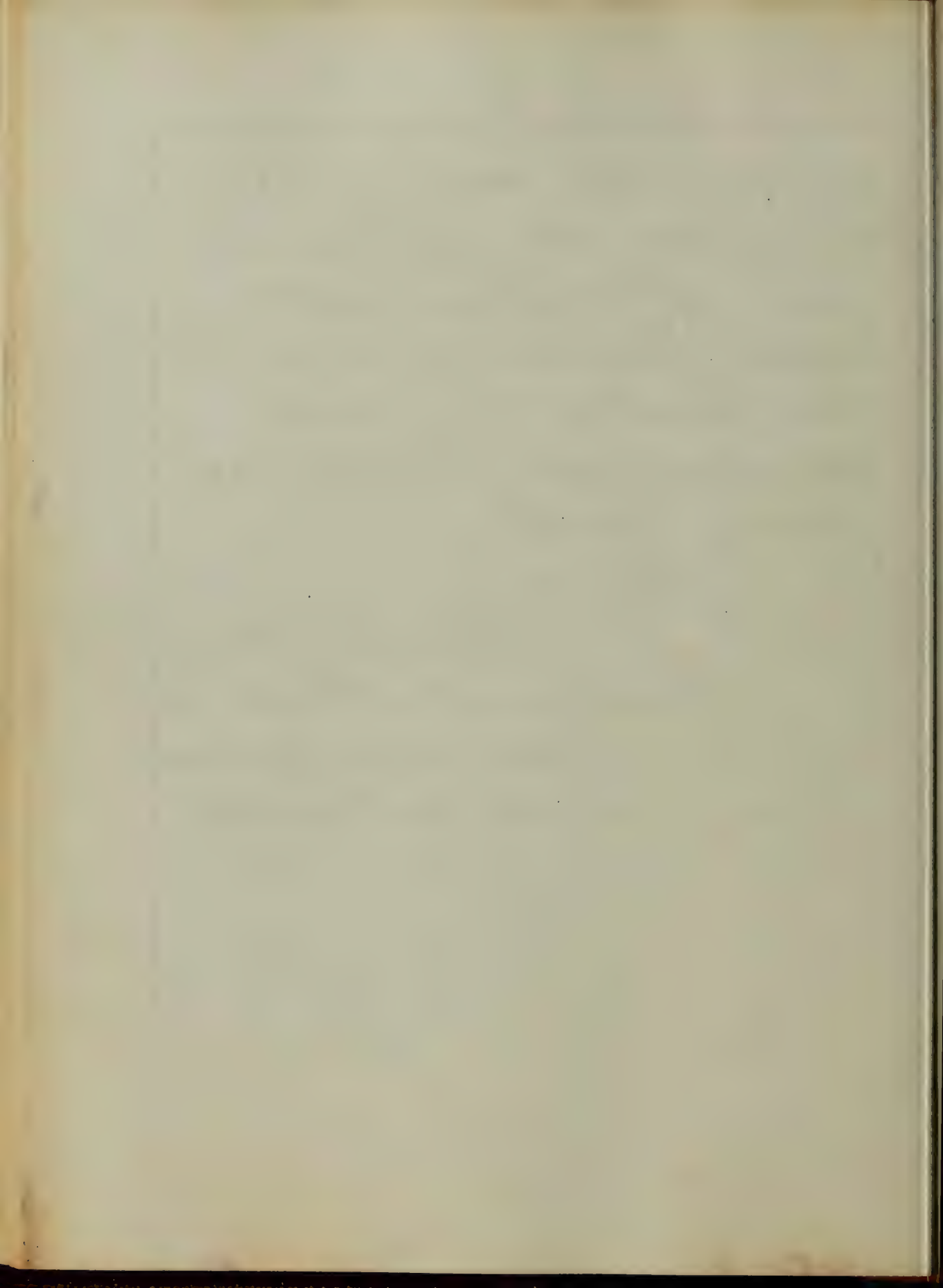
the patient was unable
to expose the glans penis.

June 11th. Circumcision
was performed, and in
two weeks he was
discharged being per-
fectly well.

Finis.

Charles Abert.

Resident Student
of the Baltimore Infirmary.
from March 1st 1874 to 1875.



Amputations

By

Edward Andersen.

1875

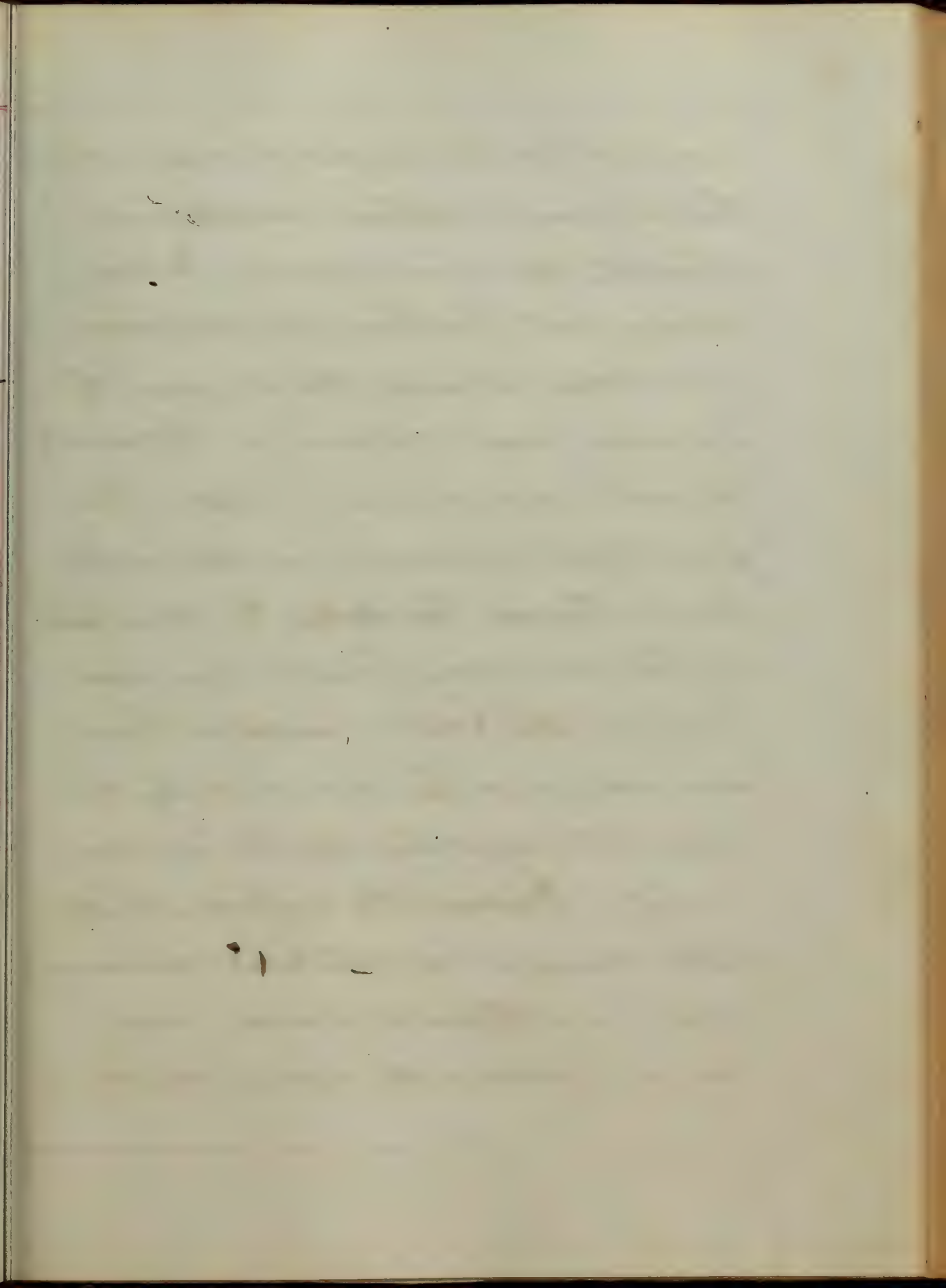
1
The extremities are subject to many disorders which require amputation, but a spreading gangrene of traumatic origin has been always esteemed one of the most pressing motives; and, indeed, among the ancients, to all appearances, the only one. It is, therefore, customary with surgeons to consider the nature of ^{the} gangrene before operating, as a knowledge of its character is necessary to determine when the operation should be performed. A gangrene of idiopathic origin demands amputation as imperatively as one of traumatic origin, but in the

The first part of the document
 discusses the general principles
 of the system and the
 various methods of
 application. It is
 intended to be a
 practical guide for
 the use of the
 system in the
 field. The second
 part of the document
 contains a list of
 the various
 methods of
 application and
 the conditions
 under which they
 should be used.
 The third part of
 the document
 contains a list of
 the various
 methods of
 application and
 the conditions
 under which they
 should be used.
 The fourth part of
 the document
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 the various
 methods of
 application and
 the conditions
 under which they
 should be used.

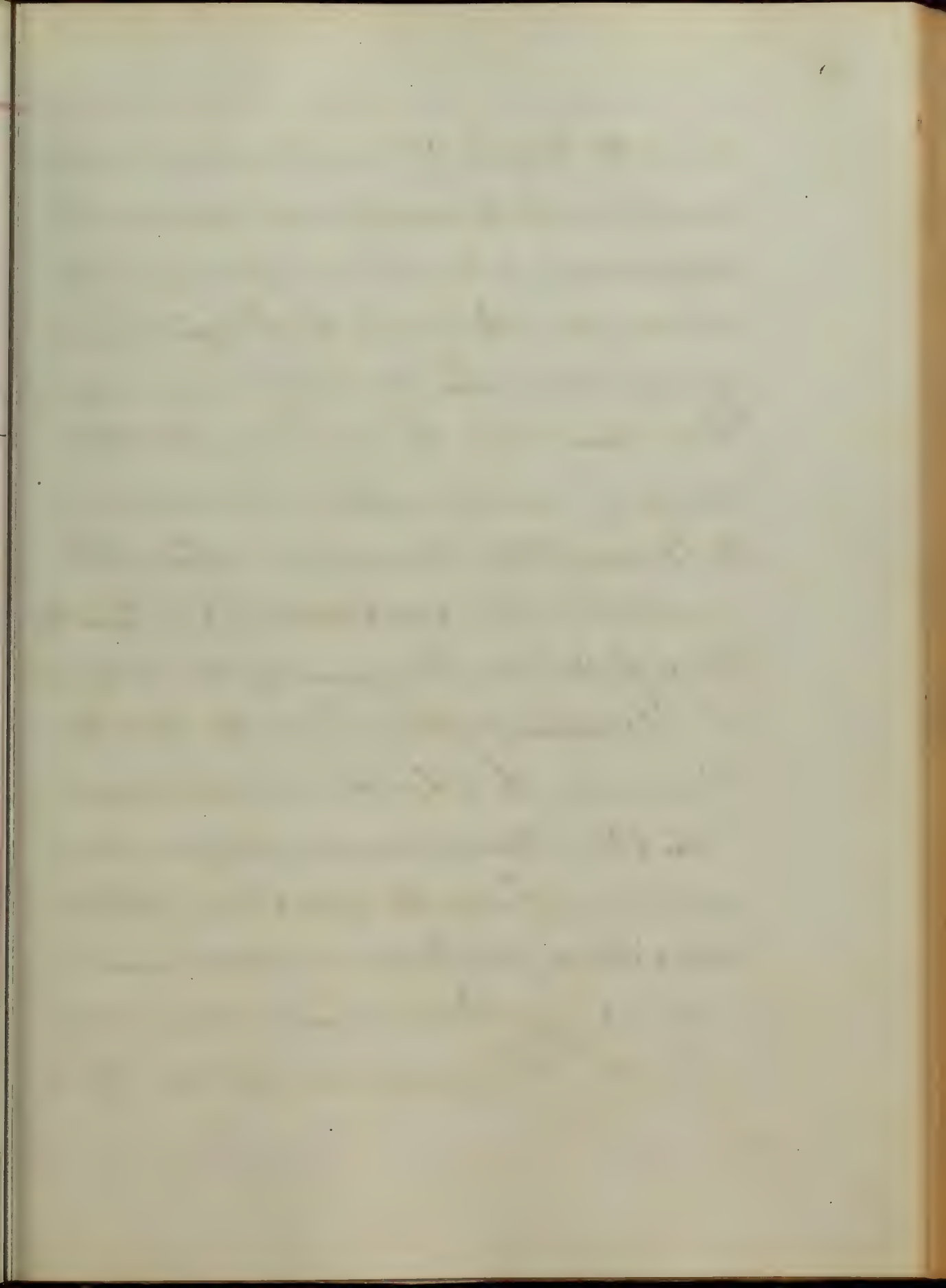
In former cases the operation should be delayed until the progress has ceased spreading, and a line of demarcation has been set up, in the latter, case the operation must be performed at once.

Another class of cases where amputation is absolutely necessary is when all the soft parts are destroyed, or the blood vessels for supplying the limbs have ceased to perform their functions, as when in the leg the femoral artery and vein are severed. The same necessity arises when the sciatic nerve is ruptured.

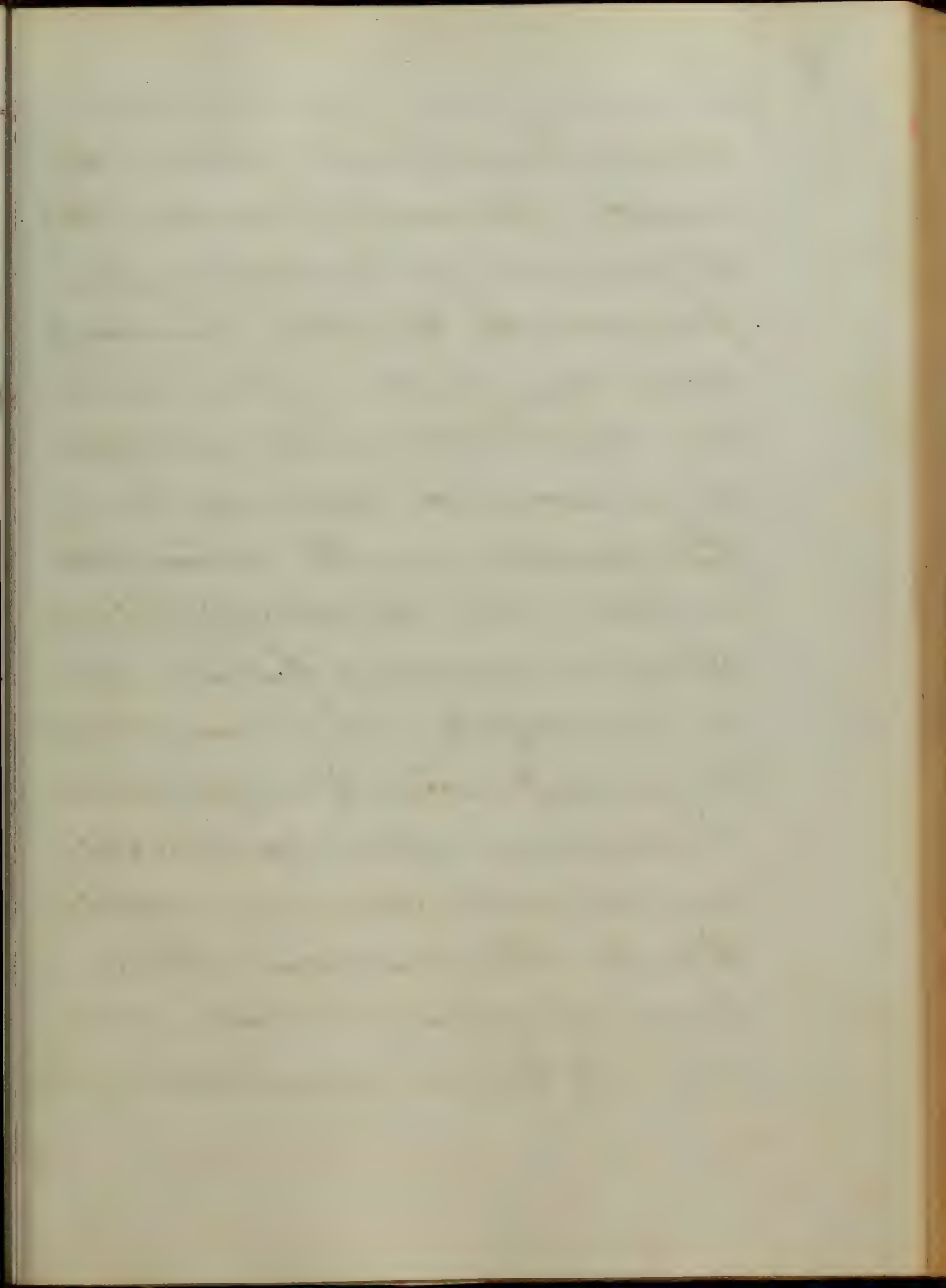
The foregoing are the only cases where



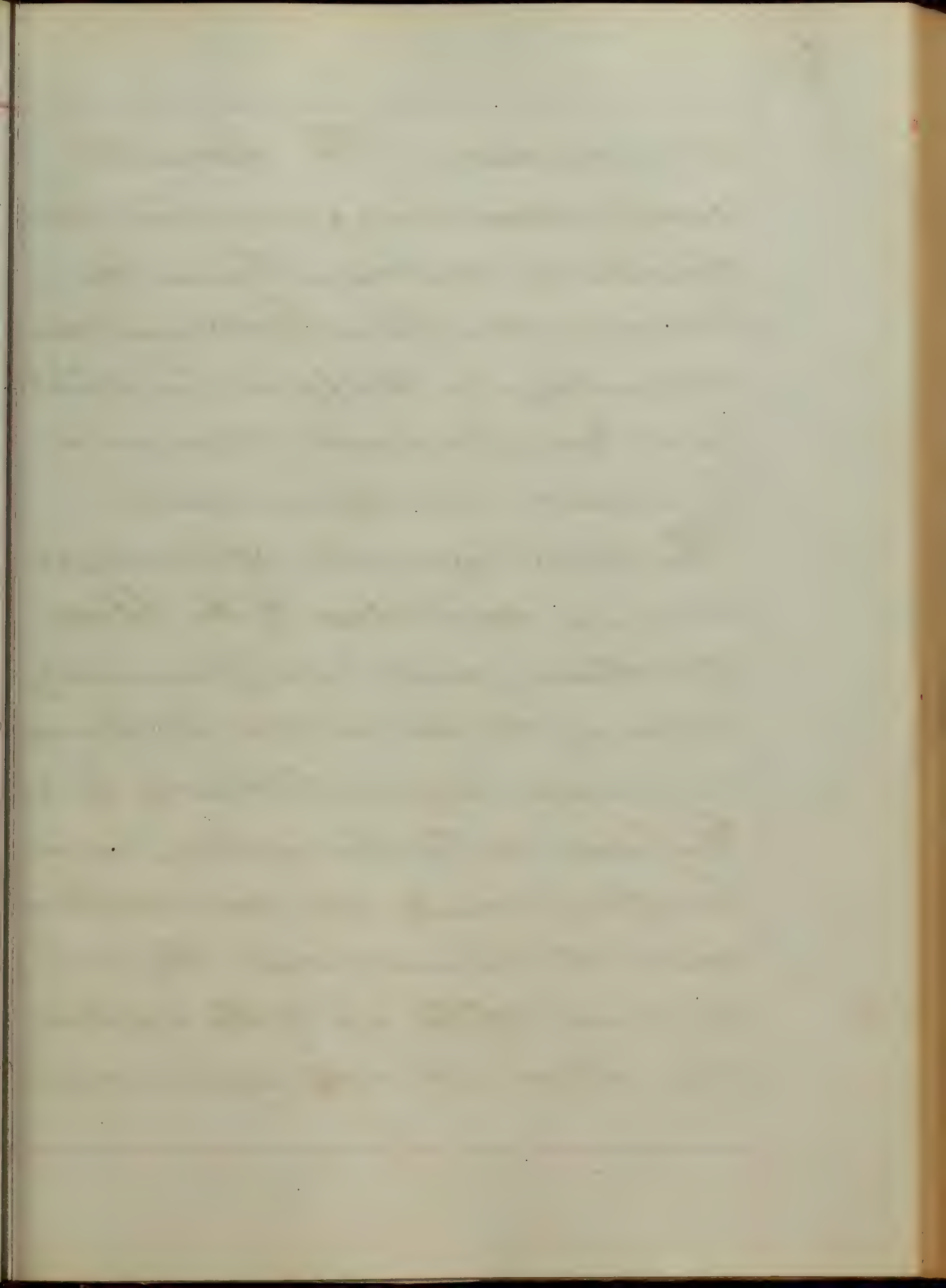
amputation is certainly required; there may be other occasions where the operation would be necessary, but for these no certain rules can be laid down, and the Surgeon must determine the necessity in each individual case. His first object, however, in all such cases should be to ascertain if there are any possible means by which the limb could be preserved, and he should only resort to amputation as the last necessity. Indeed, the highest skill of the Surgeon is exhibited in saving limbs in difficult cases, and not in successful amputations.



for by the light of modern Science
 and with the improved modern
 appliances almost any Surgeon of
 moderate skill in his profession
 can perform this operation successfully.
 There are very few branches of
 Surgery more improved since
 the times of the Ancients than the
 method of amputating a limb.
 These patients frequently die under
 the operation, either from the loss of
 blood or the shock occasioned
 by it. How much surgeons were
 deterred from the operation by these
 accidents, we have a curious in-
 cident in the writings of an an-
 cient ^{author} who refused to cut off

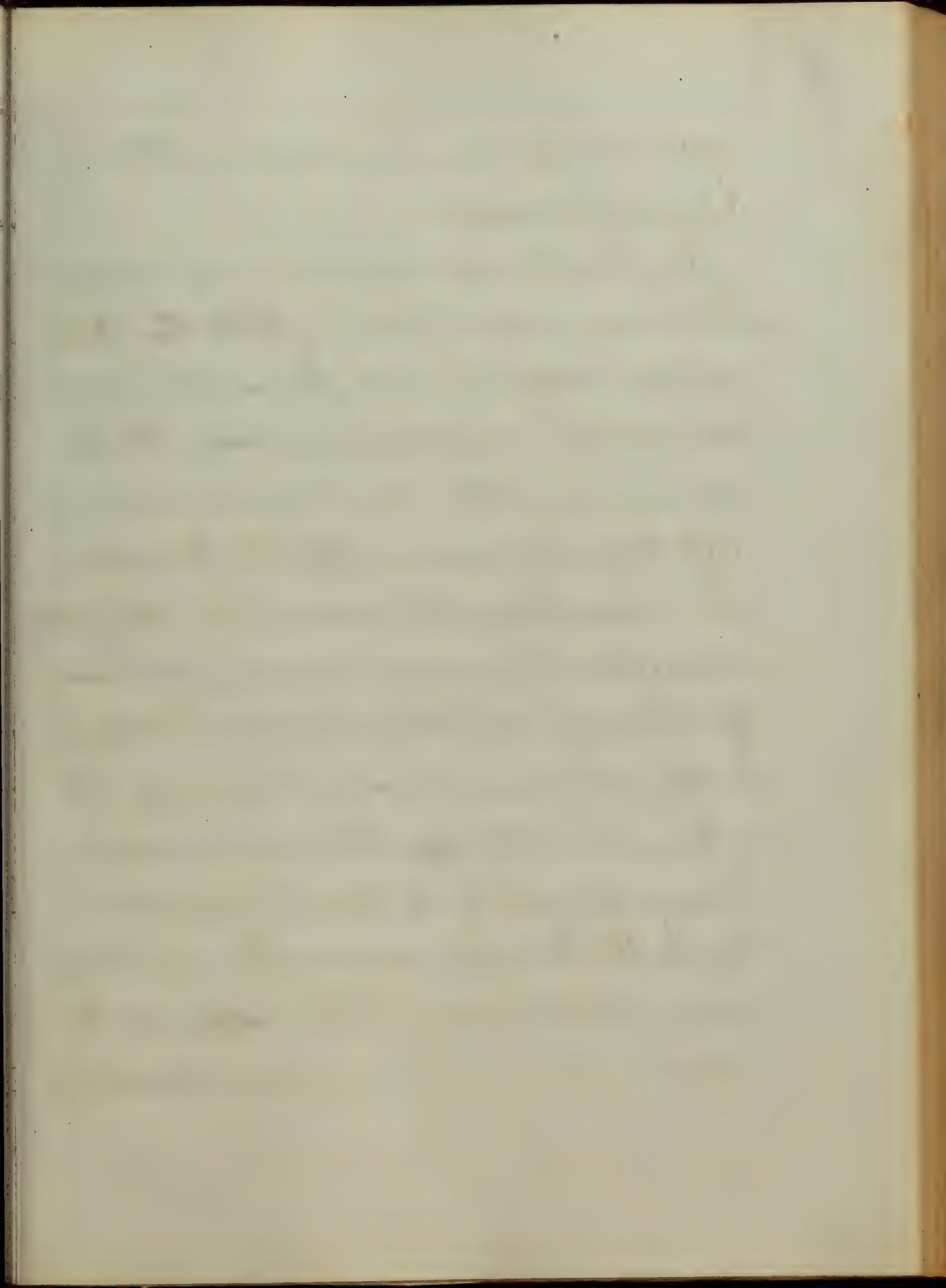


man's hand purely on that account. He says, however, that the patient, in his despair, performed the operation himself and recovered. It is no wonder, then, that we meet with so few accounts descriptions of this operation in the ~~other~~ old writers, when the issue of it was often so suddenly fatal; nor is it singular that I never should have submitted to amputations for gangrene, which so evidently destroys as it advances, rather than for other disorders whose progress is less marked, and generally leaves some hope, however,



ill founded. The Ancients, and, indeed, surgeons until comparatively modern times, laboured under three principal disadvantages in Amputation, which have been gradually removed by successive improvements.

They were ignorant of the double incision, and also of the flap operation, and had ^{no} means of covering the bone so that it always protruded beyond the fleshy parts; They had no tourniquet; and, therefore, could not so well command the hemorrhage. They were ignorant of the use of the ligature from which we reap such eminent



advantage in occluding the blood vessels.

The first inconvenience which we I have mentioned, that the ancients experienced from their mode of amputation and their ignorance of the double incision, was the protrusion of the bone, for making the incision directly down to the bone at once, instead of through the skin and fat down to the fascia, and drawing the skin further up, the retraction being aided by a few touches with the Knife; and then a Knife being put close to the edges of the retracted skin, and drawing

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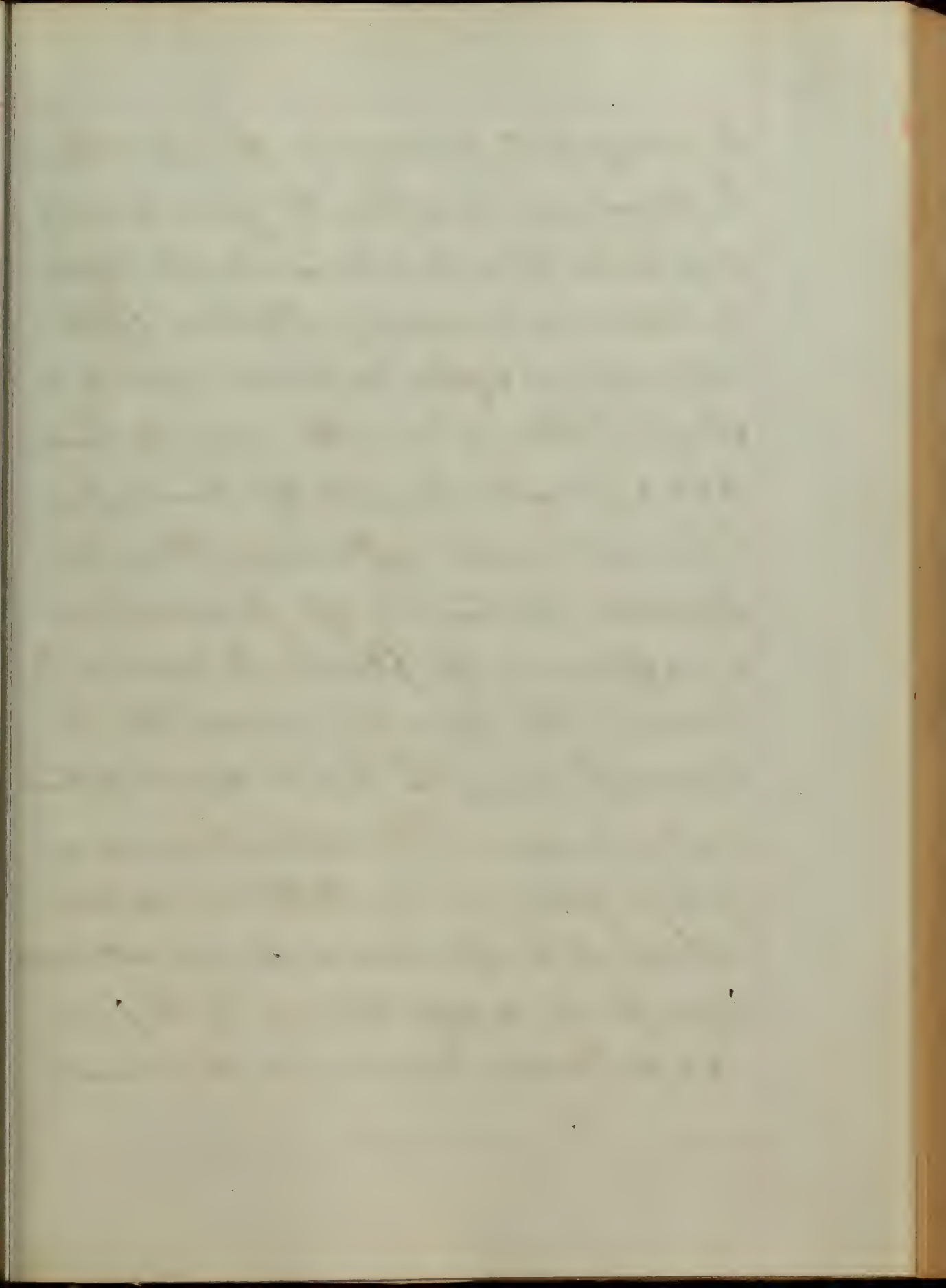
8

with another circular sweep of it, dividing every thing clean down to the bone, before sawing it off, the muscles and skin afterwards withdrawn, leaving a large portion of the bone either naked or so little covered, that it always perished, and made an esfoliation necessary. This esfoliation was often a painful and tedious work, and frequently by long preventing the cure, reduced the wound at last to an horrid ulcer, or if the wound did heal, the Cicatrix proved so large, and the stump so pointed that it was liable to ulcerate again.

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9

This result is completely obtained by the double incision just described, or by the flap operation which was discovered about the year 1839, but was then universally disapproved of, and shortly afterwards abandoned, and was not again practiced until about the beginning of the present century, when its use was revived, and about fifty years later it became the favorite mode of operating, because it was claimed by surgeons that it could be performed with much more facility than the Circular operation, and enabled



the surgeon to select a flap when
 he pleases, or when the flesh on
 one side of a limb ^{was} destroyed
 by disease or injury, the end of the
 stump might be covered with a
 flap taken from the sound side,
 and a greater length of limb pre-
 -served, and afforded too a
 greater certainty of preserving
 a sufficient of flesh to cover the
 bone. This operation consists in
 transfixing the limb and cutting
 outwards. This operation is a
 -gain giving way to the circular,
 which is preferable to it, in all cases
 except in amputations of the foot
 and hand, because in the circular

The following is a list of the
 names of the persons who
 were present at the meeting
 held on the 1st day of
 the month of
 at the residence of
 the Secretary of the
 Association.

mode the arteries are cut at right angles and are more easily taken up and the ligatures more certainly and perfectly applied than in the flap mode when they are cut obliquely; besides the Circular operation is more easily performed

The second inconvenience which we have mentioned that the old surgeons labored under, was the want of a tourniquet with which to control the hemorrhage, and prevent from bleeding, and for which they had no substitute; for although they employed the bandage to prevent the flow of blood, yet having to so com-

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



pleely to loosen the ^{it} ~~passage~~ ^{of the vessels} to
 discover the orifice ~~that~~ the pas-
 sient often bleed to death by
 force it could be again tight-
 -ened. This is now completely
 obviated by the use of the tourni-
 -quet, which was discovered by
 Morrellus between the years 1670
 & 1680, and is a very simple de-
 -vice consisting of a pad to
 compress the artery, a strong
 band which is buckled around
 the limb, and a bridge-like con-
 --trivance over which the band
 passes, with a screw, by turning
 which the bridge is raised and
 the band tightened.

1870
The first of the year
was a very dry one
and the crops were
very poor. The
winter was also
very dry and the
crops were very
poor. The spring
was also very dry
and the crops were
very poor. The
summer was also
very dry and the
crops were very
poor. The autumn
was also very dry
and the crops were
very poor. The
winter was also
very dry and the
crops were very
poor. The spring
was also very dry
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summer was also
very dry and the
crops were very
poor. The autumn
was also very dry
and the crops were
very poor. The
winter was also
very dry and the
crops were very
poor.

The third great inconvenience which the Ancients suffered, as we have before stated, was the want of a knowledge of the use of the ligature, which was first used by Ambrose Paracelsus, and is simply a cord drawn around the end of the artery so as to permanently to prevent hemorrhage. In place of this simple means they used various cauteries, most barbarous and often ineffectual practices. Some used arsenic and corrosive sublimate for staunching the blood. The dreadful effects of the second may be seen. Among many instances of its

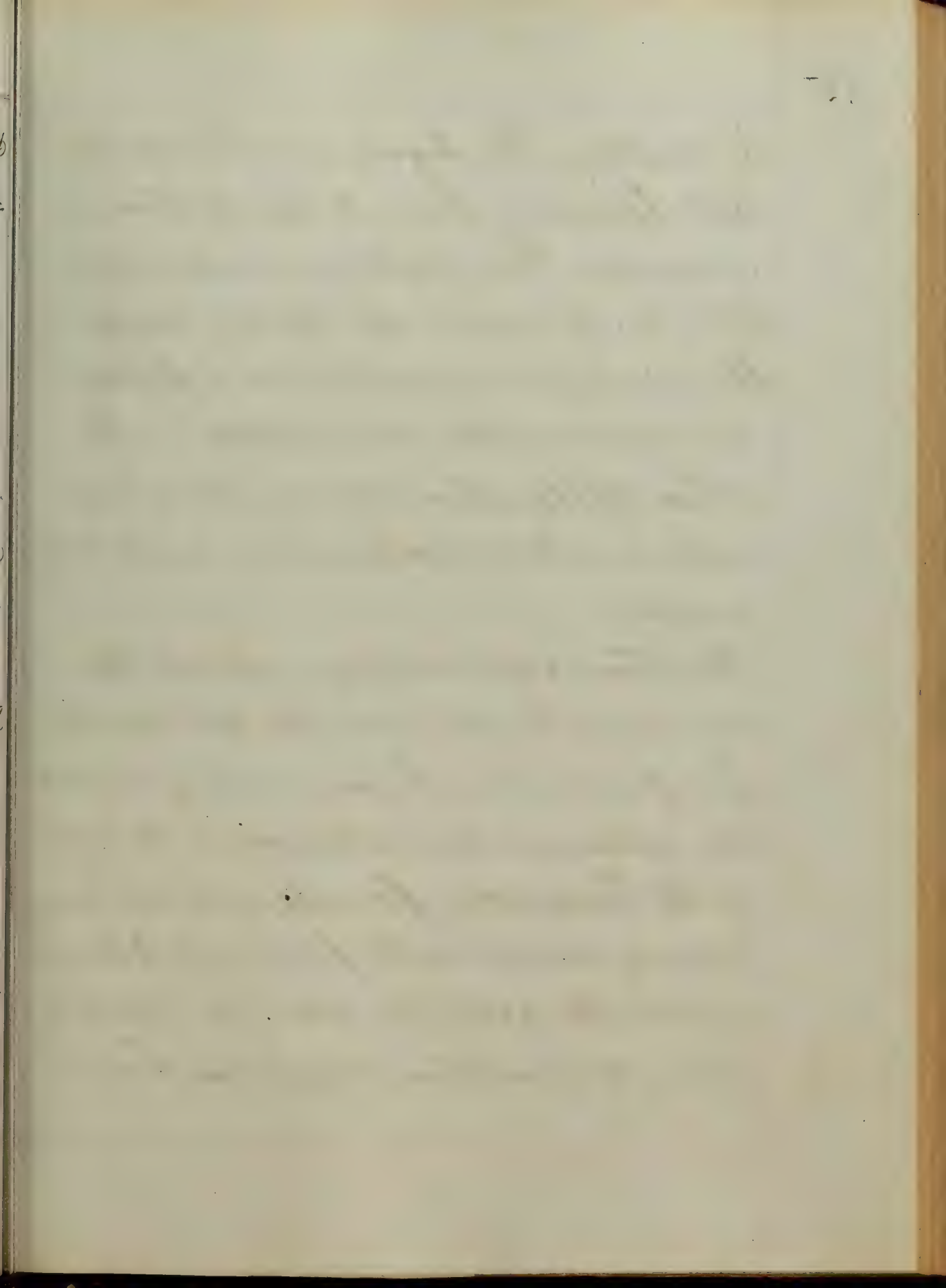
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pernicious effects, there is an as
 Court of nineteen men, who, and
 only excepted, died after am-
 putation, and, as it was sup-
 posed, chiefly from the poison-
 -ous quantity of the salivæ used
 to stop the flow of blood. So
 fatal was their apprehension of
 hemorrhage of hemorrhage
 that some of them left a few in-
 -ches of gangrenous matter in
 order to leave the blood vessels
 plugged. For this statement
 we have the authority of reliable
 authors. It hardly seems credit-
 -able to us of the present day who are
 taught so little to regard hem-

[The text on this page is extremely faint and illegible due to the quality of the scan. It appears to be a handwritten document with several lines of text.]

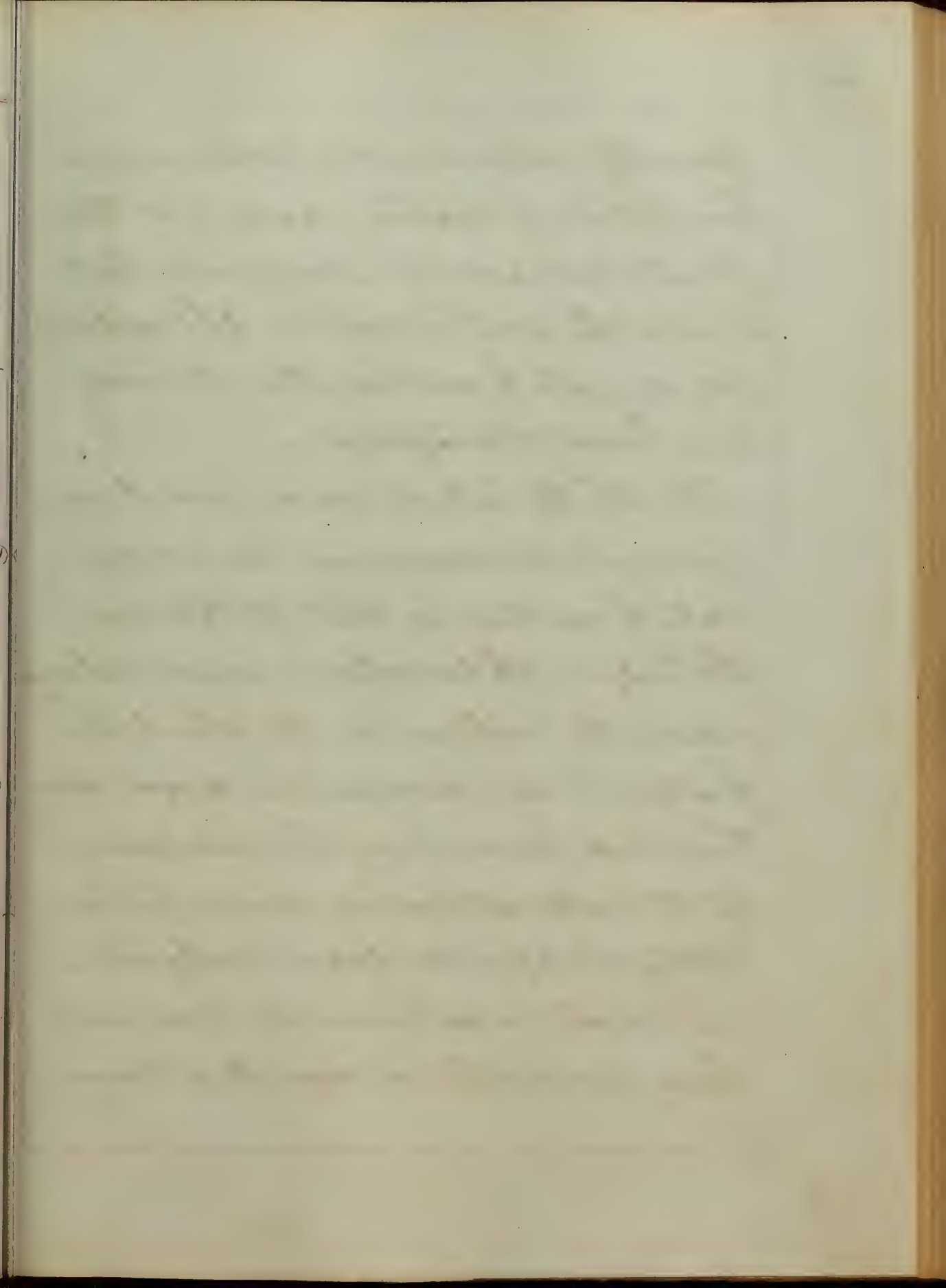
- or hope that such a practice could have prevailed among professional surgeons.

The ancient practice as we have before stated left the bone exposed, and forbade the approximation of the soft parts, but we of the present generation, leaving the stump in the form of a hollow cone, approximate the lips of the wound with a few strips of plaster, with or without sutures, bringing the edges together in a straight line, which may be either perpendicular or horizontal, the latter being the better plan. When sutures are used silver wire is the best material



to employ. The ligature should be left hanging from the lips of the wound. The patient should then be placed in bed, and the stump supported on a pillow covered with oil cloth. No other application is necessary except a cloth saturated with cold water.

Another advantage which the moderns have over the ancients for preventing hemorrhage until the arteries are closed, is the use of the ball-and-socket forceps, which completely controls the flow of blood until the arteries can be ligated. After amputation erysipelas forms



frequently supervened, especially in
 hospital practice, and was the
 great dread of surgeons; but
 since the introduction of Carbolic
 acid into practice, this dread
 has been dissipated -

One of the latest and most im-
 portant discoveries in surgi-
 cal practice is that of anes-
 thetics, - Chloroform and ether,
 under the influence of which the
 patient is insensible and mo-
 tionless, enabling the surgeon
 to operate as easily and pain-
 lessly as upon a dead subject.

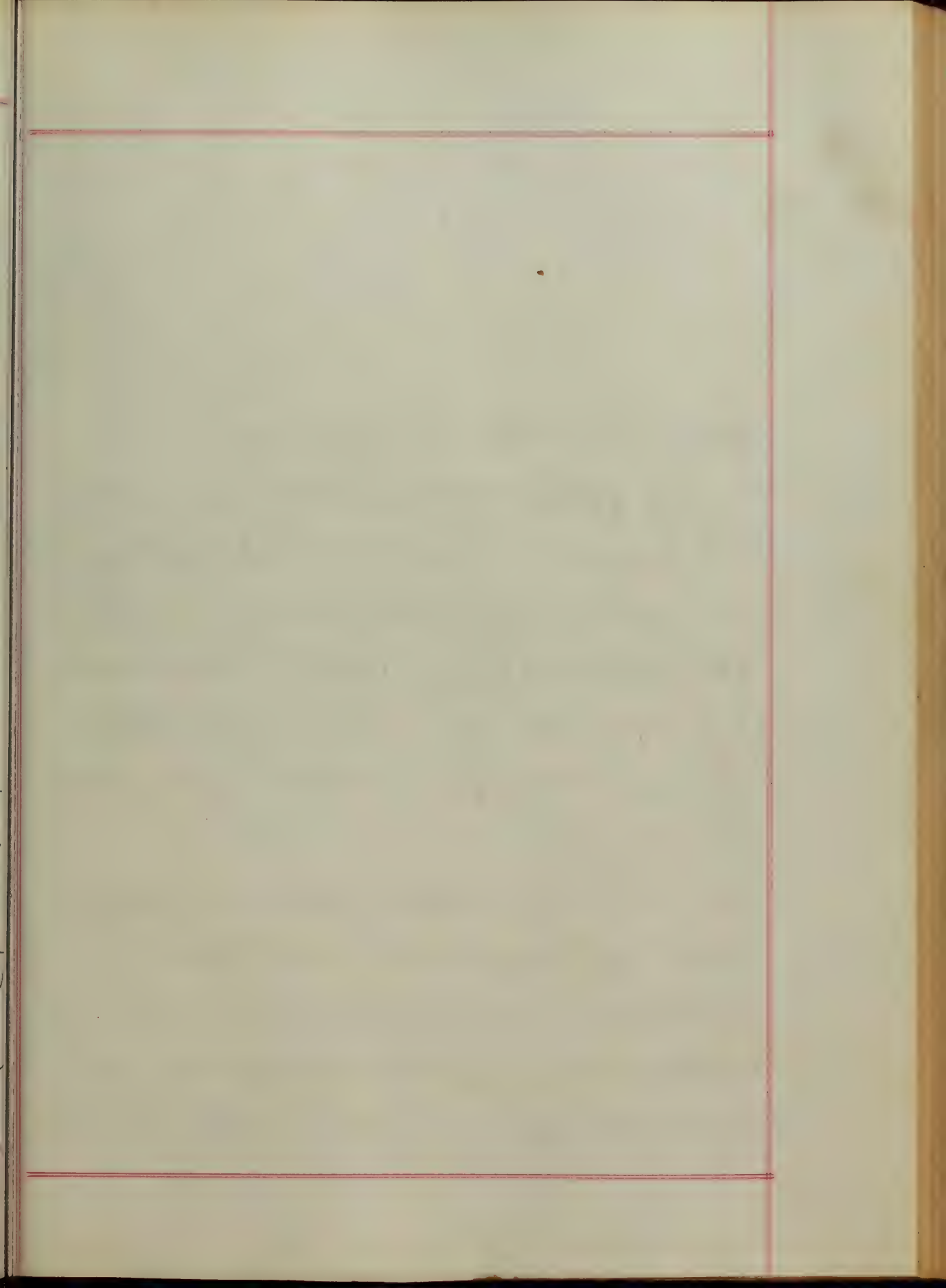
Of what inestimable value
 these anesthetic agents would

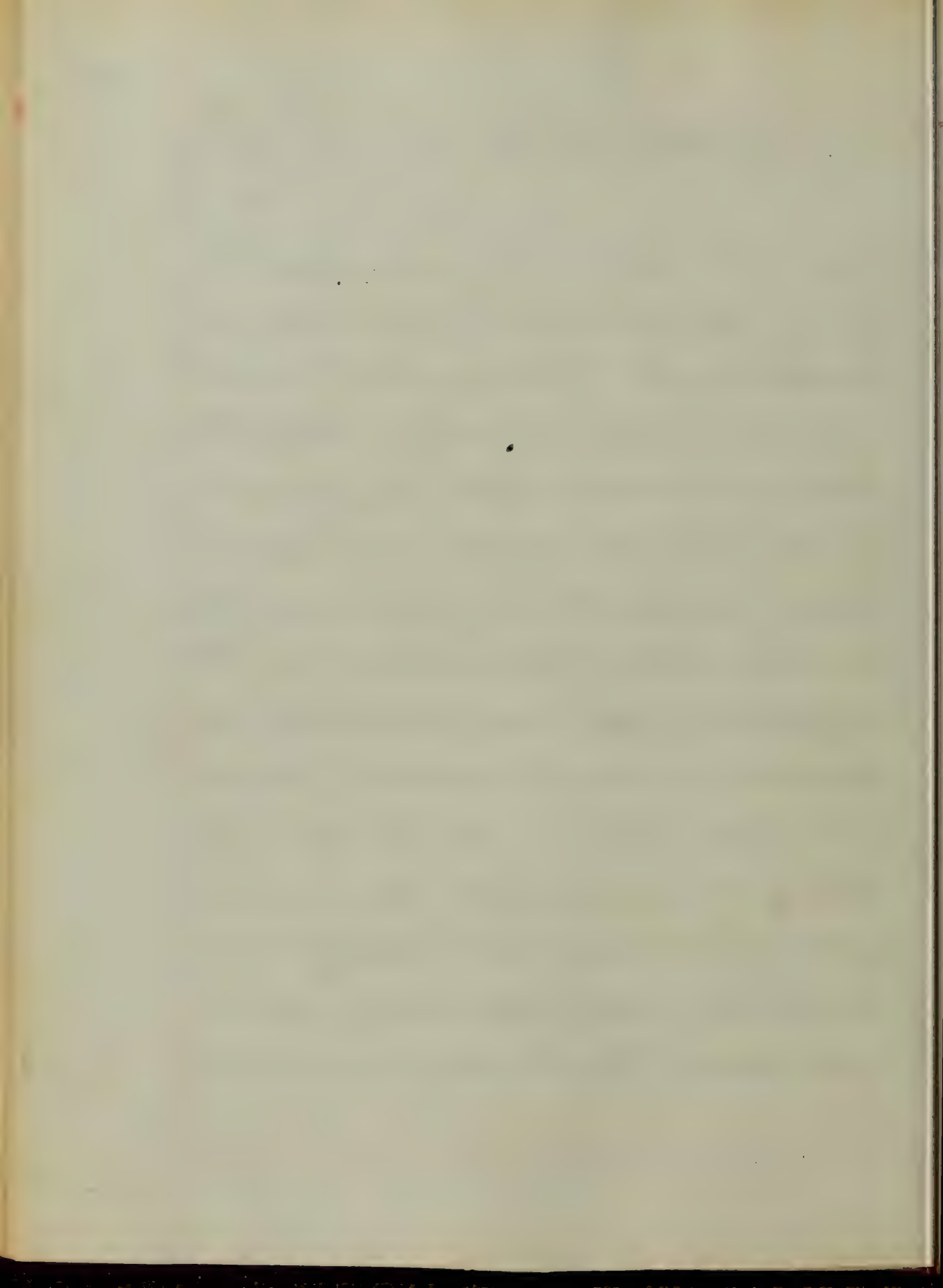
The first part of the book is devoted to a general
 description of the country and its inhabitants. The
 author describes the various tribes and their
 customs, and the different parts of the country.
 He also mentions the different languages spoken
 and the different religions. The second part of
 the book is devoted to a description of the
 different parts of the country. The author
 describes the different mountains, rivers, and
 lakes. He also mentions the different cities and
 towns. The third part of the book is devoted
 to a description of the different tribes and
 their customs. The author describes the
 different languages spoken and the different
 religions. The fourth part of the book is
 devoted to a description of the different
 parts of the country. The author describes
 the different mountains, rivers, and lakes.
 He also mentions the different cities and
 towns. The fifth part of the book is
 devoted to a description of the different
 tribes and their customs. The author
 describes the different languages spoken and
 the different religions.

have been in the days of the searing
iron!

In ancient practice a large
proportion of patients, as we
have before stated, died ~~under~~^{from}
the effect of amputation; and, in
the instance where corrosive sub-
limato was used eighteen out
of nineteen; in contrast with
this, in modern practice, where
skilful surgeons are employed,
death seldom or never results.

Out of the very many amputations
that have occurred in the hos-
pital of the Maryland University
during the last and present
term, not one has proved un-





- Discussion. This is of itself a
 different comment on the
 present state of the economy
 and the state and acquire
 ments of the professions at that
intention.

- The absence of anything but a
 narrow ~~or~~ ⁱⁿ ~~interest~~ in other de-
 partments of what is ⁱⁿ ~~the~~ ~~general~~ ~~interest~~
 - Constitutional, and is still a strong
 - ing to the cause of many of the ill-
 which itself is here to and the great
 - pain of suffering humanity.

1851

11

The first part of the paper
 is devoted to a general
 description of the
 country and its
 resources. The second
 part is a detailed
 account of the
 various branches of
 industry and
 commerce. The third
 part is a list of
 the principal
 towns and cities
 in the country.

An
Inaugural Dissertation
on

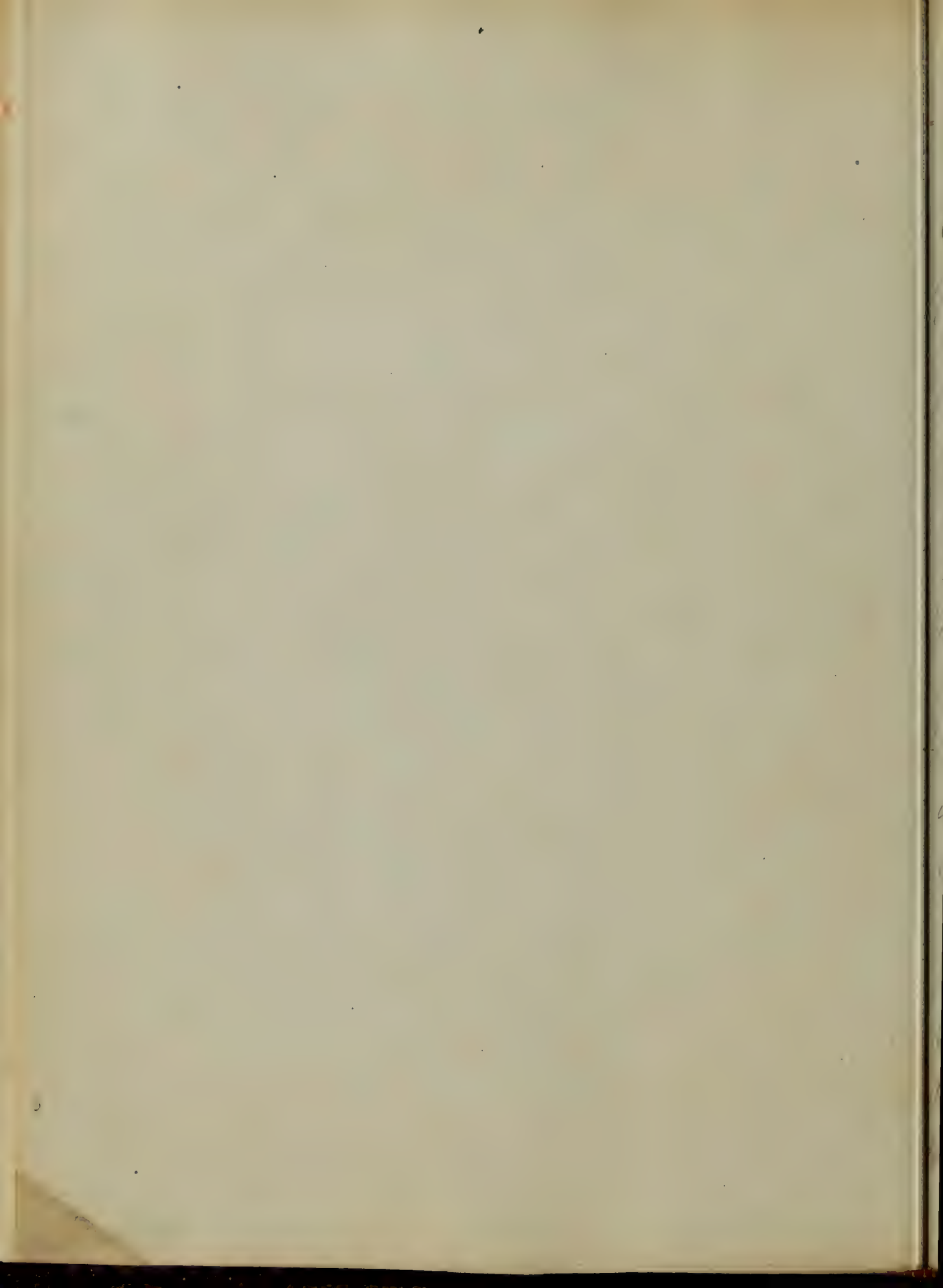
"Pituitis Puerilis"

submitted to the
Provost, Regents, & Faculty of Physicians
& Surgeons,
'University of Maryland,'
for the degree of

"Doctor of Medicine"

Coscius M. Perkins.
1875.

Baltimore — Maryland.



"Pulmonary Tuberculosis"

Our present scientific and pathological
of our own day, have so advanced
the art and practice of medicine,
and extended its already vast
domain, that the skill possessed
by the ancients, as Hippocrates,
then called, the father of physics,
'Aetius', and even, at a later date
of 'Galenus', has been depre-
-ciated, and almost entirely laid
aside. The disease we have
selected for a clear, understanding,
is one that pathologists at the
present day are in constant
resulting in the production of new
theory, both as to its pathological status,
and also as to its curative treatment, which

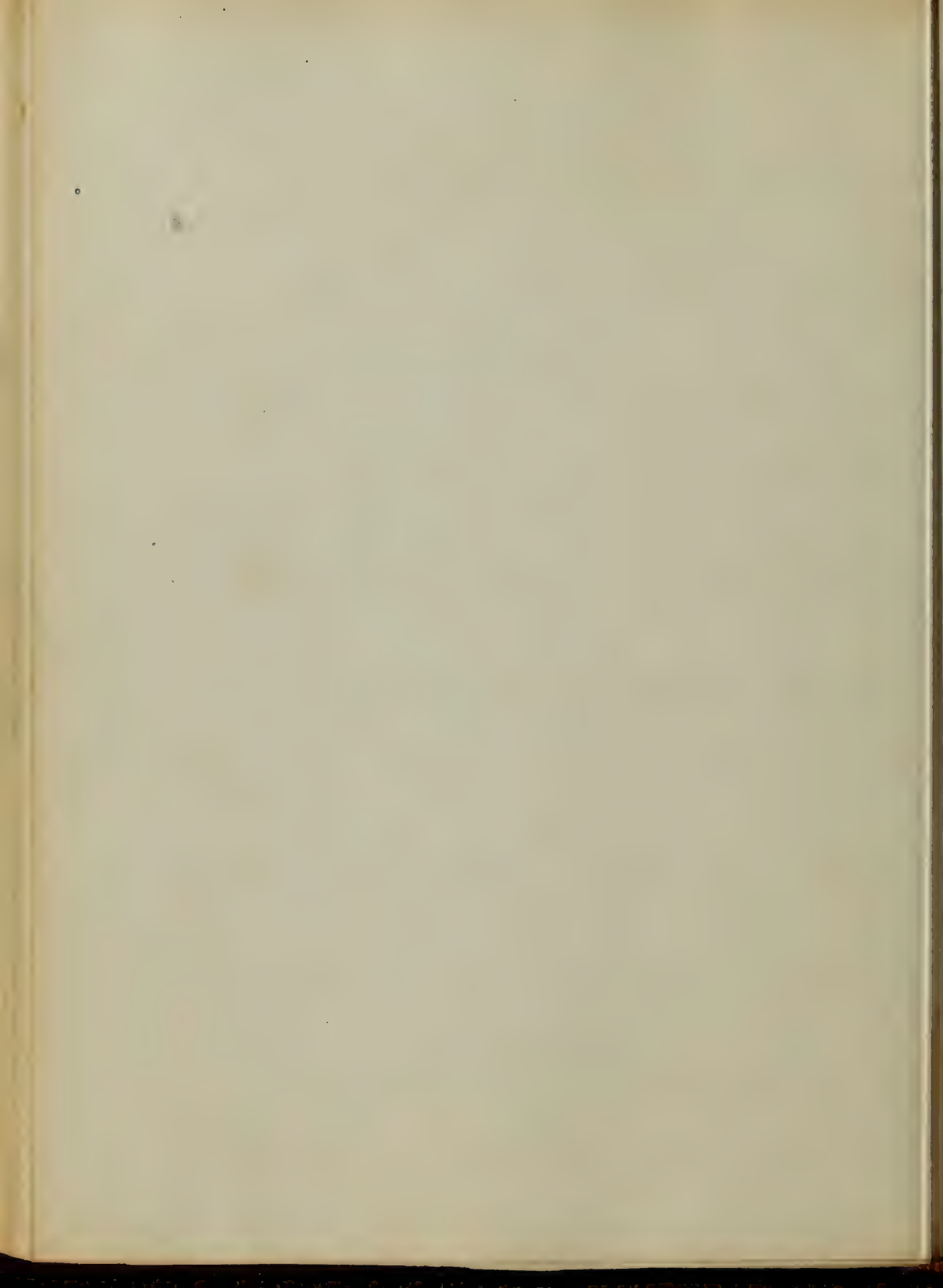


is scarcely less defined.

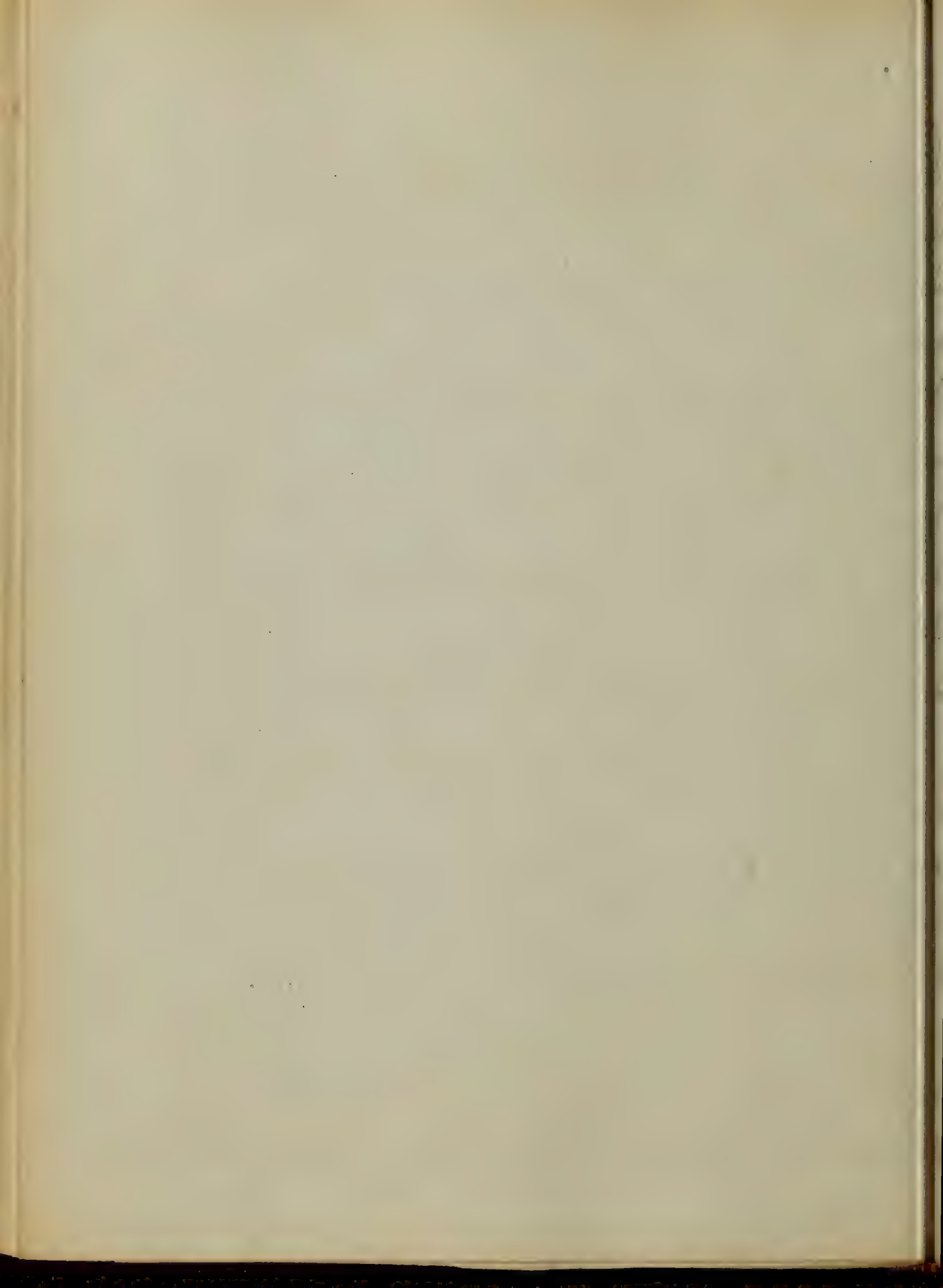
Pulmonary Tuberculosis is marked by a deposit in the lung tissues, of a yellow, or gray, tubercle, attended with waste, and evacuation of the human frame, from which we might infer, was the result of a want of assimilation.

This disease is found in all quarters of the globe, among all ages and conditions of men, thereby occasioning a larger proportion of deaths, exclusive of those which prevail epidemically, or endemically, than any other disease affecting the human race.

It is estimated, that, three millions, out of the nine hundred and sixty eight



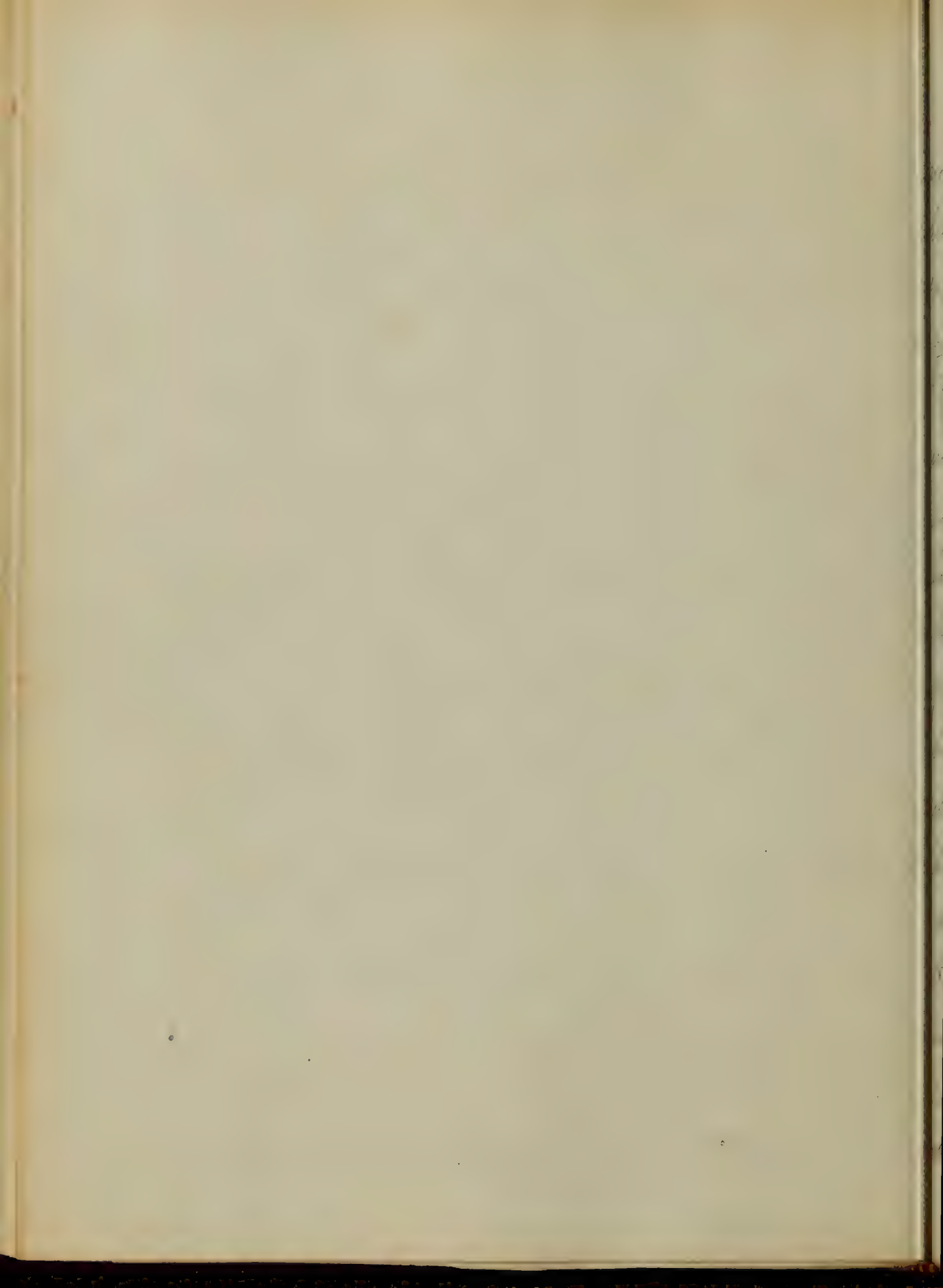
millions, inhabiting, the earth,
die of this disease each year.
Do think recognizing the great
confusion in the minds of, the Medical
fraternity, as regards, the nomenclature
of our theme, endeavours to give in his
book, an explanation for the, terms used.
To whom we are indebted, as a
guide in our explanations of this
vast and important subject; -
also, for some views to Dr "Horace"
DoBell; and to our own worthy
Professors. According to recent
meetings of the Medical Profession
"Phthisis Pulmonalis" has been
subjected to further changes, and we believe
universally agreed upon, viz, "Acute" and "Chronic"
Pneumonic Phthisis, and both stages of Tubercular Phthisis



Dr Flint says, "The first stage occupies the time during which the tuberculous products accumulate, and soften, up to the evacuation in a liquid state. Second stage: from the time the cavities are formed, to the termination of the affection." We often find, upon post mortem examinations, the lung having undergone the different stages of development.

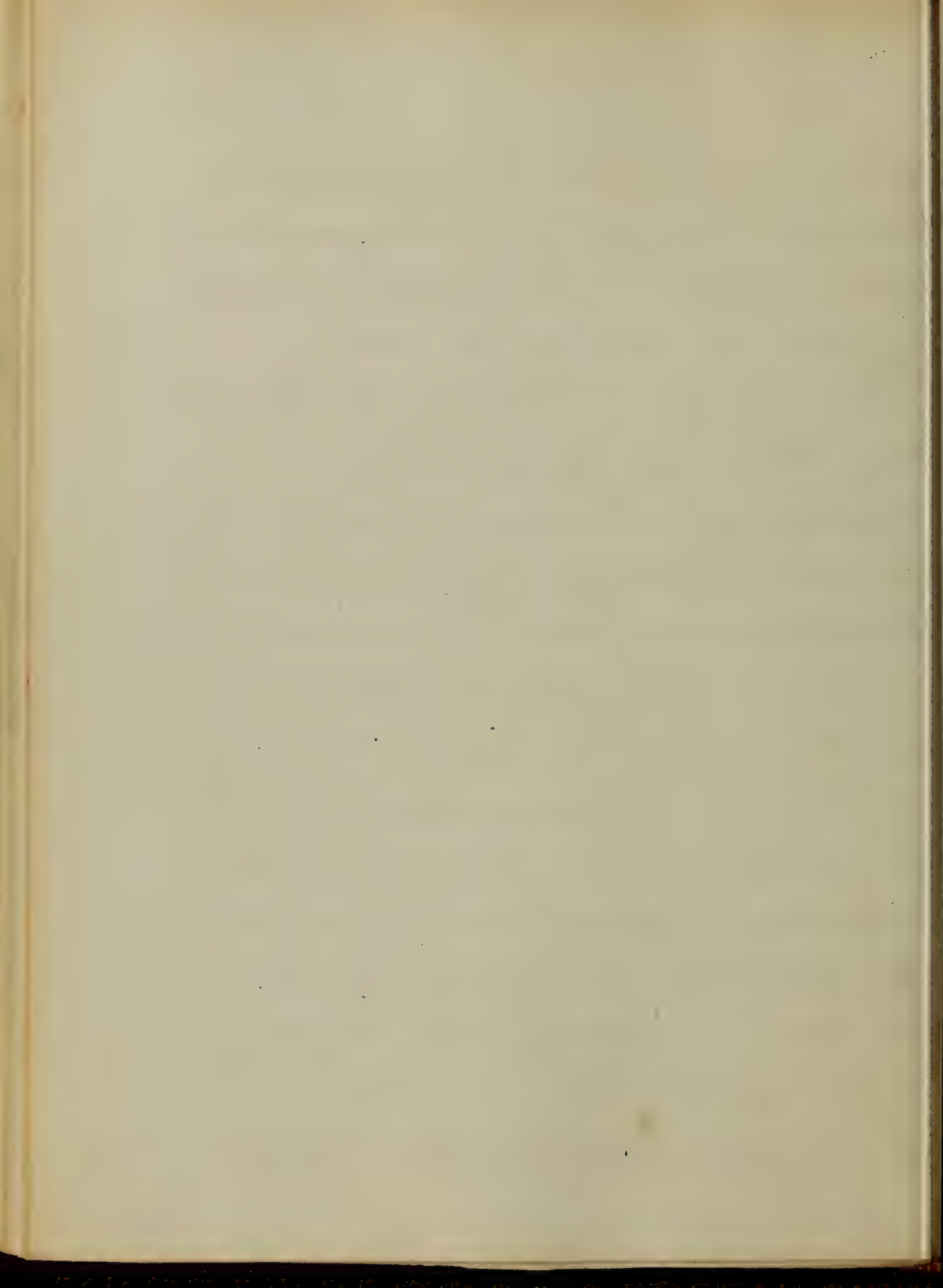
- Anatomical Characters:

From our small, though valuable experience, in the infirmary, it has fallen to us, to examine at leisure, the lungs of patients who have died of Phthisis. We notice small bodies, of about the size of a hemp seed, while others are smaller, spherical,

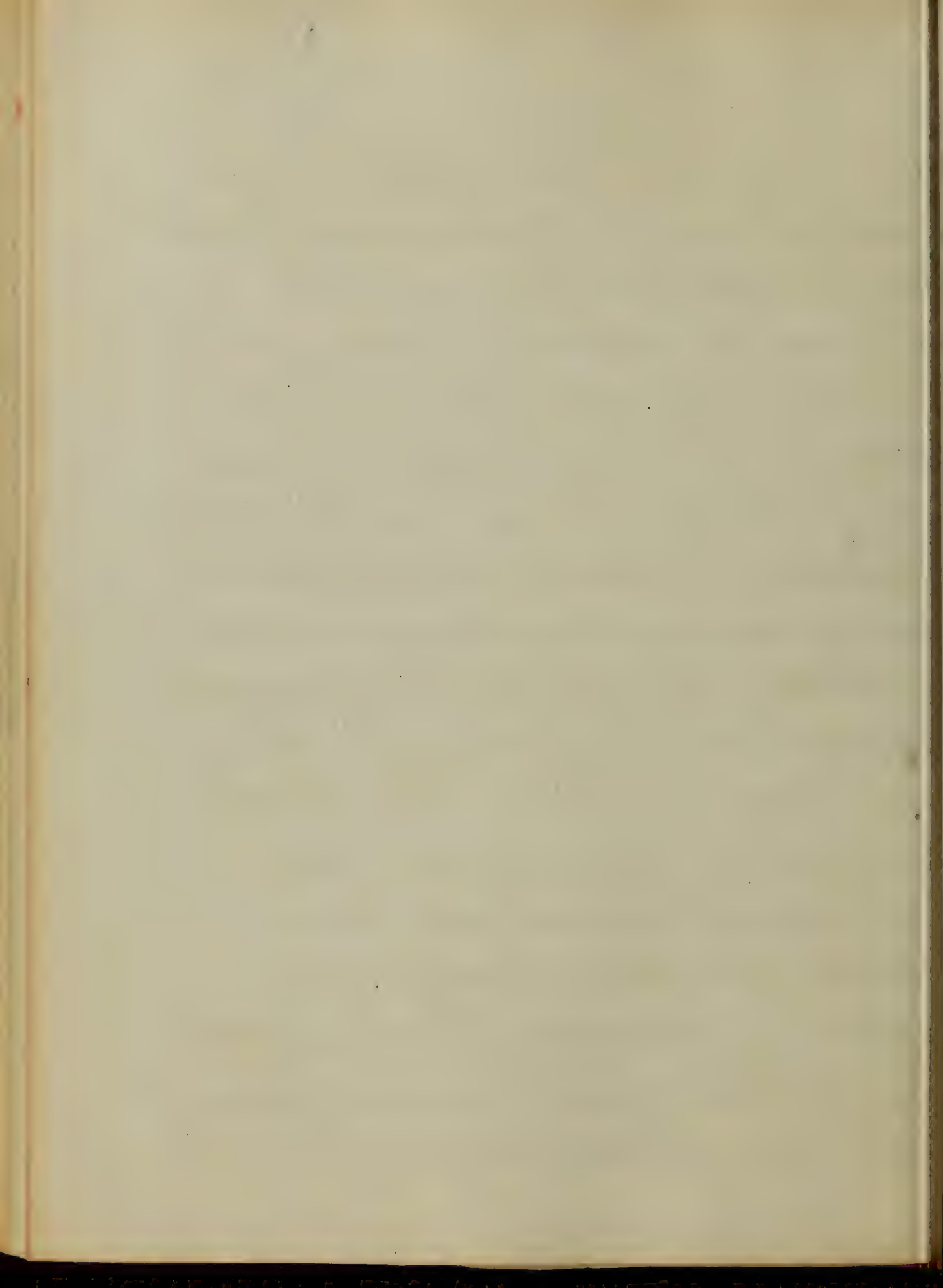


and of a grayish color, of medium
hardness, according to microscopical
examination, they are said to consist
of free nuclei, and cells.

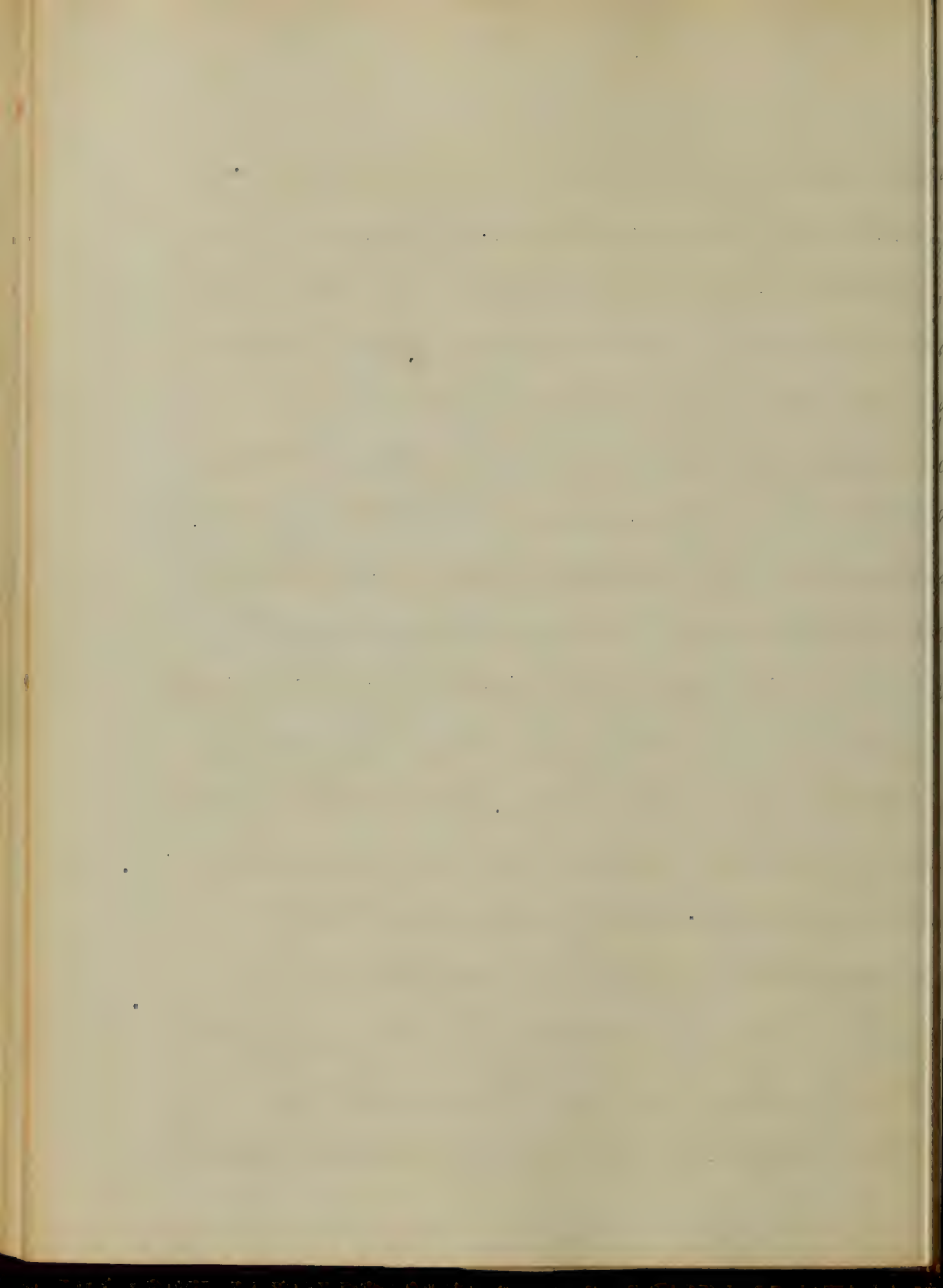
Robin regards them as cyto-blastions,
and due to a hypergenesis of normal
anatomical elements. Whilst Virchow,
the great German pathologist, considered
this tuberculous product a morbid
growth, or a neoplasm due to a
proliferation of the connective tissue
cells. In our examinations we noticed
the yellow tubercle, once considered,
and we believe now to be, the
true tubercle, being only the gray
in another stage of development.
In this stage there is an exudation
into the air cells, and pulmonary alveoli,



of a yellowish liquid, and may be
easily broken by the fingers. Still further
sack Vischri, we find nuclei, or
fragments of epithelium, which have
undergone a granular, and fatty
change; round, extremely small,
consisting of albuminous matter,
crystals of cholesterine and some
earthy salts. This yellowish exudation
has been regarded by some Histologists
as pneumonia, in some of its forms,
as interstitial Pneumonia; but here
the morbid growth remains
without softening, and not leading
directly, to structural damage of the
pulmonary substance of the lung, except
how much resulting from, the pressure
of the adventitious tissue; or Löbar



Pneumovitis, the exudation here, is absorbed completely, and many times with rapidity, the structure of the lungs remaining intact, and here, abscesses are very rare. We mark where circumscribed pleuritis had taken place, emphysema in the neighborhood of tuberculous collections, and pulmonary collapse of some of the lobules, and, interstitial pneumovitis are incidental before softening has commenced. Finally we should distinguish, these morbid growths from cancerous granulations, coagulable lymph in a granular form, due probably, to a disorganization, or breaking up of blood clots, when there has been pulmonary extravasation,

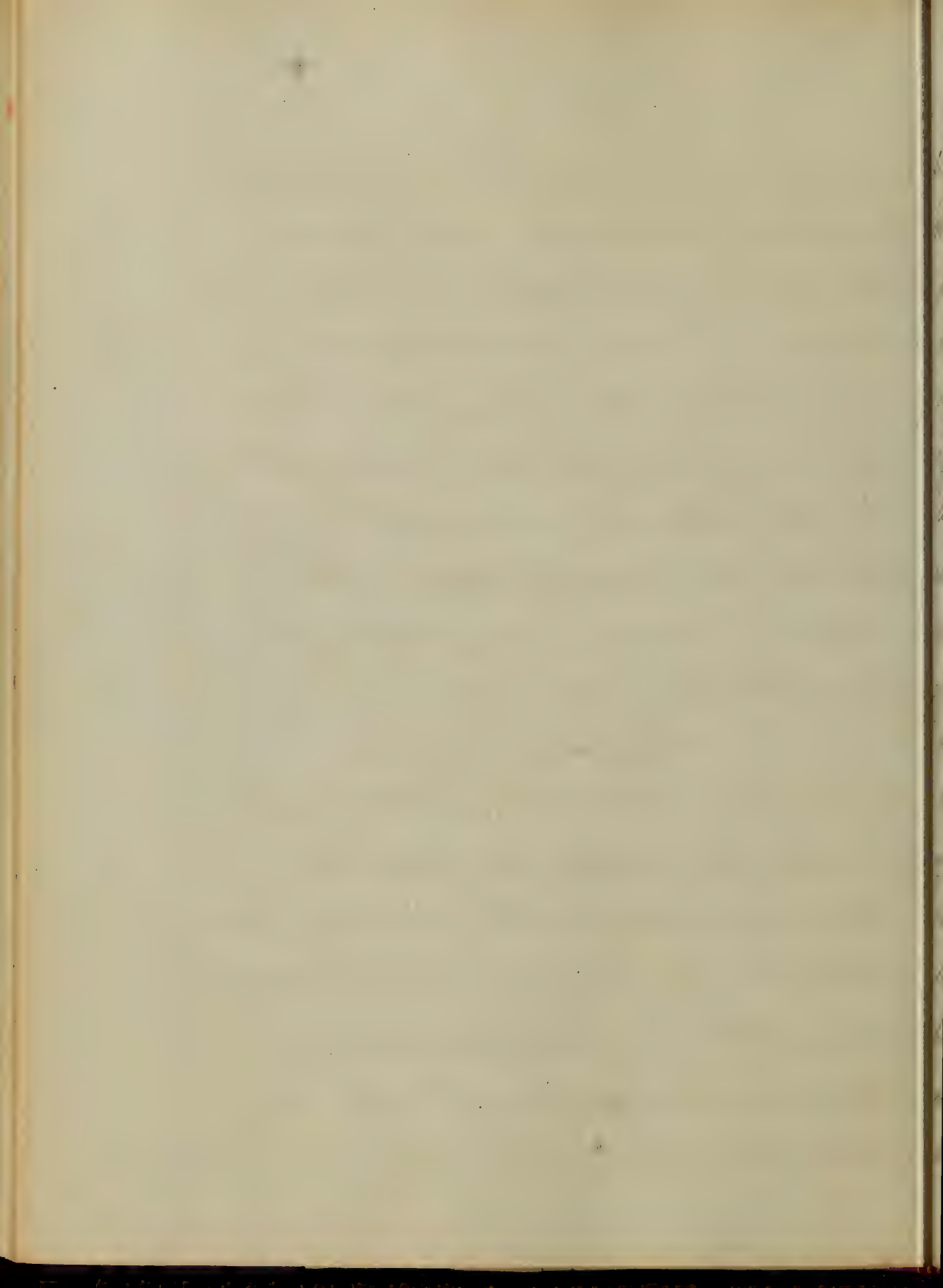


or deposit produced by emboli, from
the liver or veins. Syphilitic
tubercle, - has marks, the previous
history, and notice, whether any
granulations are deposited, in the
lungs, and have undergone softening,
and also from 'Glanders', which
however is a rare disease. The
varieties of pneumonia, are by far,
the most often met with on examinations.

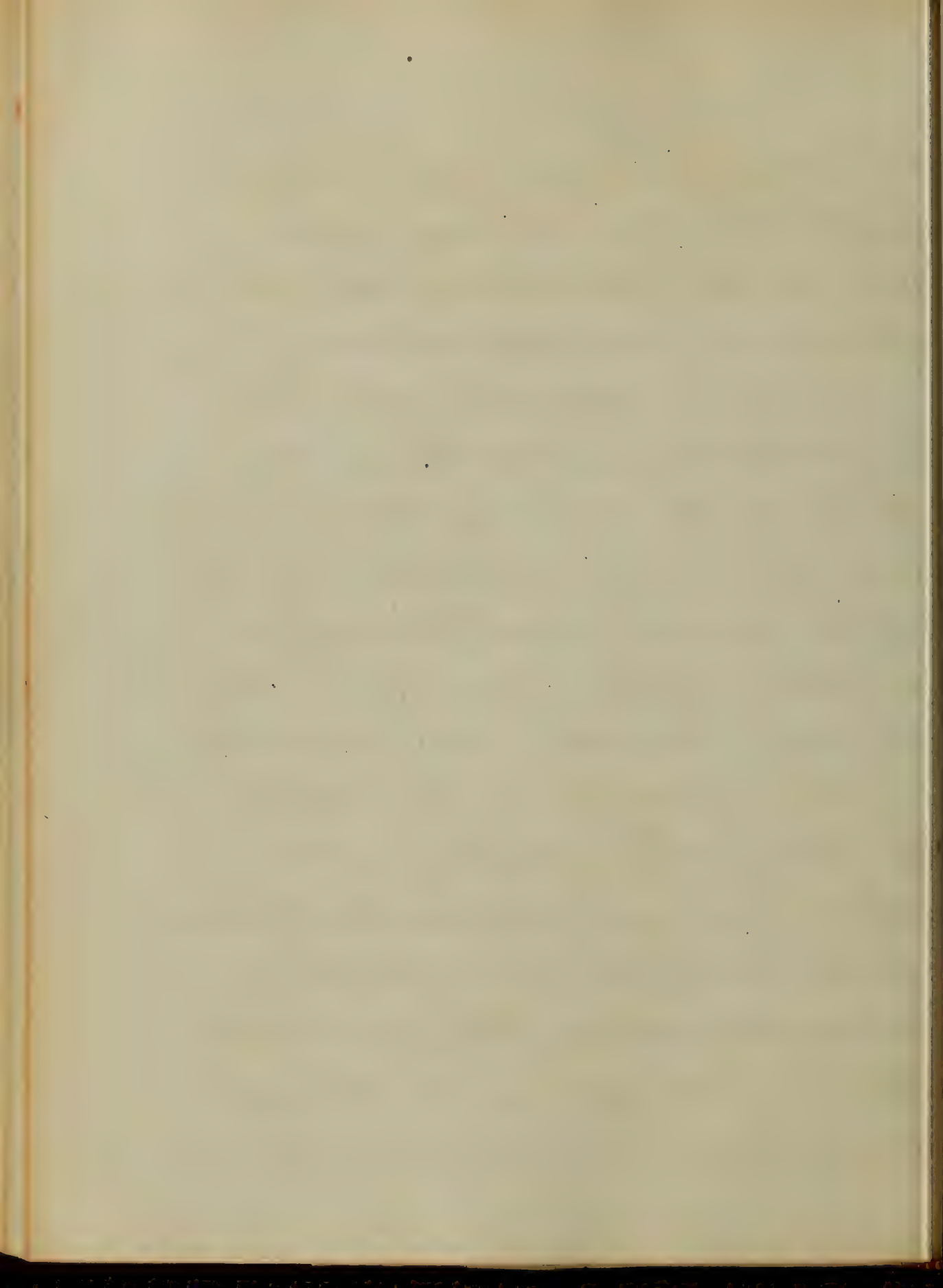
- Clinical History.

The patients, that seek for medical
aid, in this disease, are generally found
to be advanced in the fresh stage, having
passed through all the preliminary symptoms,
with little pain, or inconvenience.

The slight pains are referred to
Rheumatism, or Neuralgia, from some

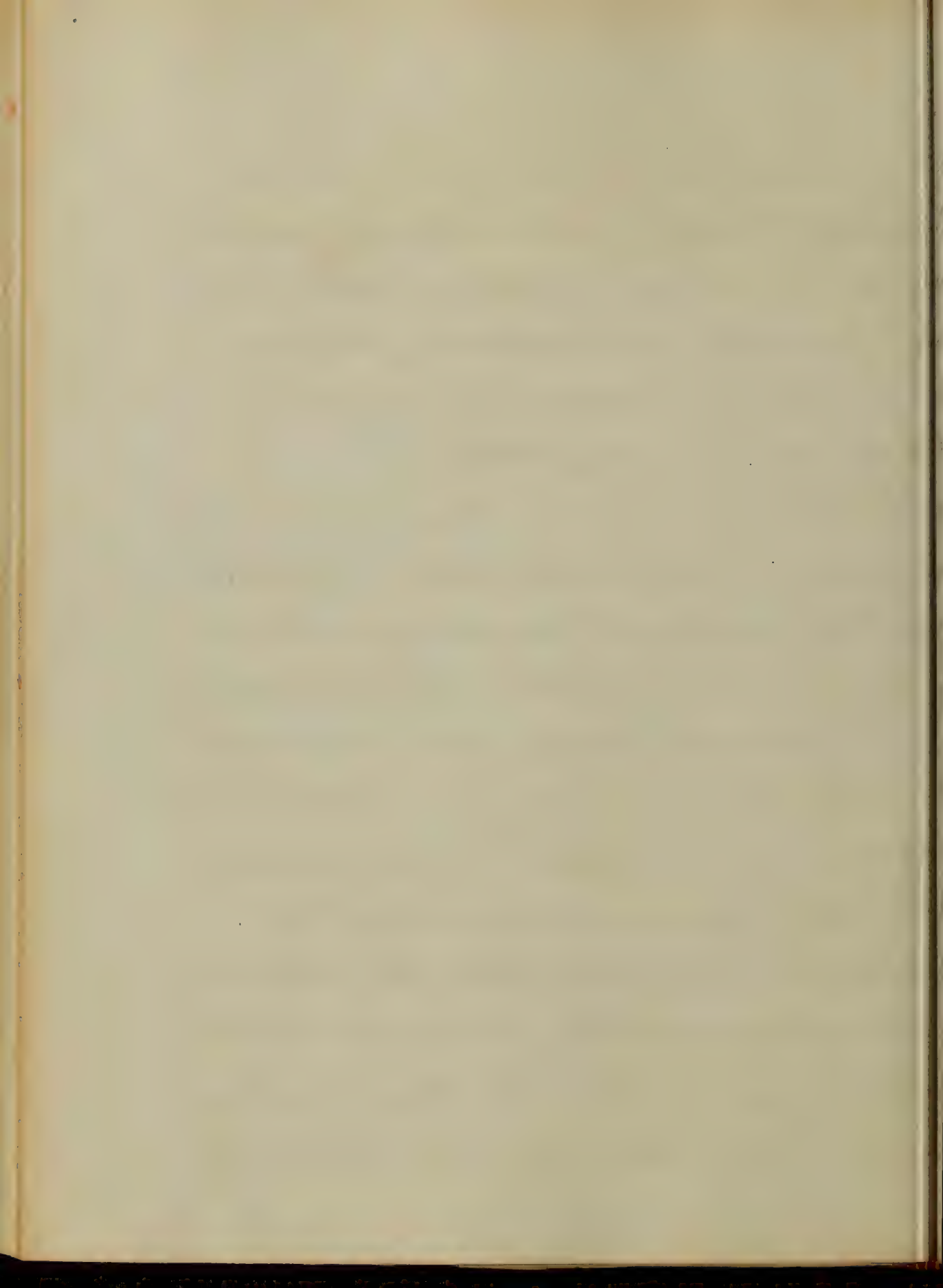


Slight exposure, and if living in a
malarial region, the heat and
perhaps, the rigors, attendant upon
this disease, are treated as some form
of fever. In approaching the bed
of the prostrate, we are struck with
his bright countenance, beaming
with hope, out of those sunken eyes,
which too well reveal the insidious
affection within. It is the mind
bright and active, always upholding
to itself, and others, the bright side
of their feelings; to this, and to
their buoyancy of spirit is the physician
liable to be thrown off his guard, so
he should question others, and use
his own observations. The patients
are emaciated and wasted away,-



we hear complaints of general weakness,
and shortness of breath; in simple eruptions,
patients complain of daily exacerbations
of fever, and profuse sweating, weakening
very much, their vital energies,
and leading to prostration.

Diarrhaea is more or less marked,
it may be due to indigestion, or, tubercles
in the intestinal canal, this however
is a secondary affection, due to ulceration
of Peyer's, and solitary glands, similar
to Typhoid fever, but different anatomically.
A more or less persistent Cough, is almost
a pathognomonic symptom, of the
disease, for expectorating, the tuberculous
collections, and bronchial secretions.
We are generally told that blood has been
spit up, and, the spuā we examine, may



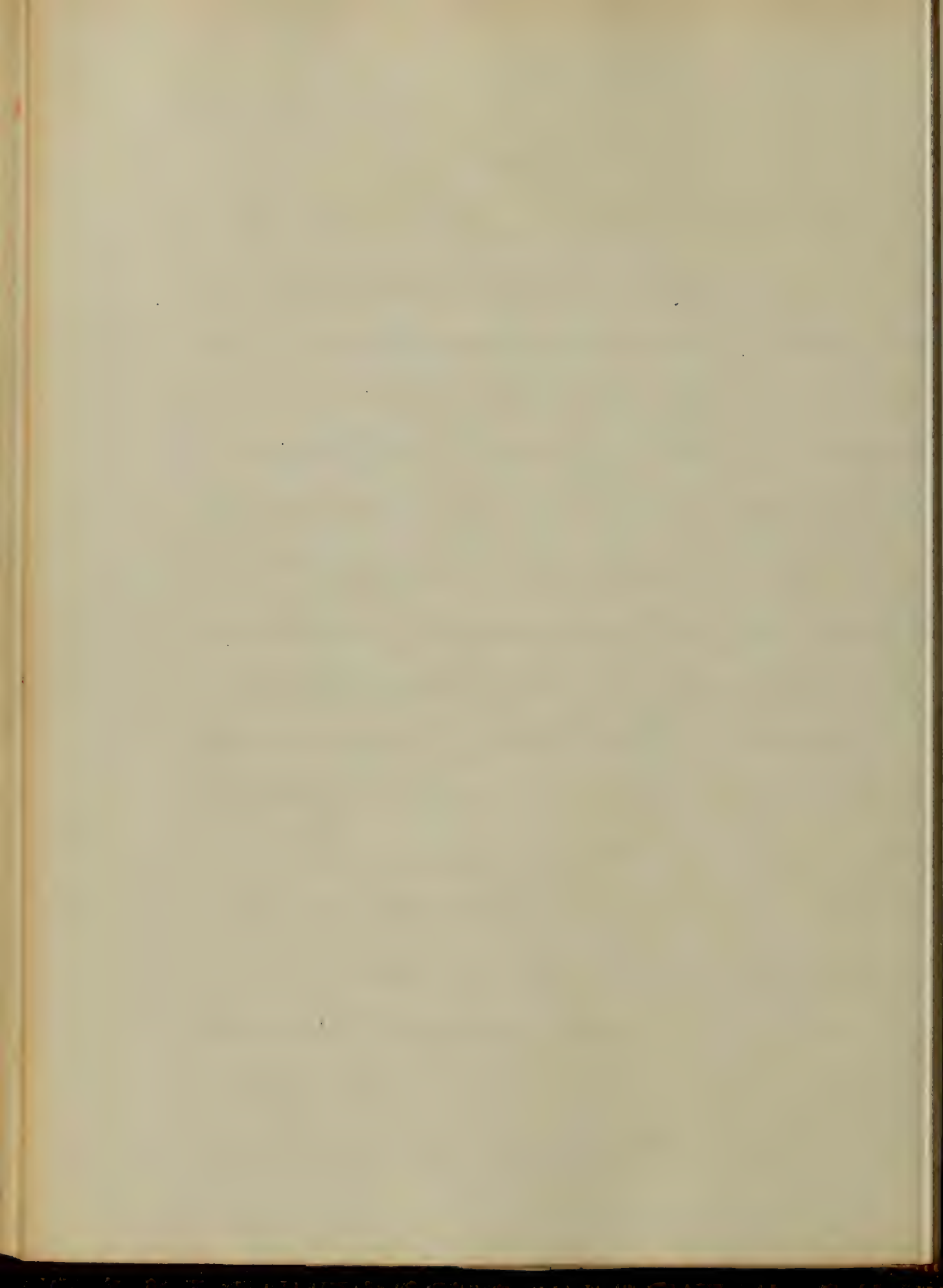
be tinged with blood.

This Sputa is often micro-purulent, resembling pus when, it runs together in a homogeneous mass, or wet fluid, the mammular sputa, by far the most common, with edges ragged, containing little particles like boiled rice, and probably a little pus intermingled.

Resorting to the microscope, we should find pus globules, epithelium, fatty granules, blood disks, occasionally yellow elastic fibres, and sometimes vegetable sporules or spores. Their breath is fetid, dew it is supposed.

No sloughing of small masses of pulmonary structure, within, the cavities.

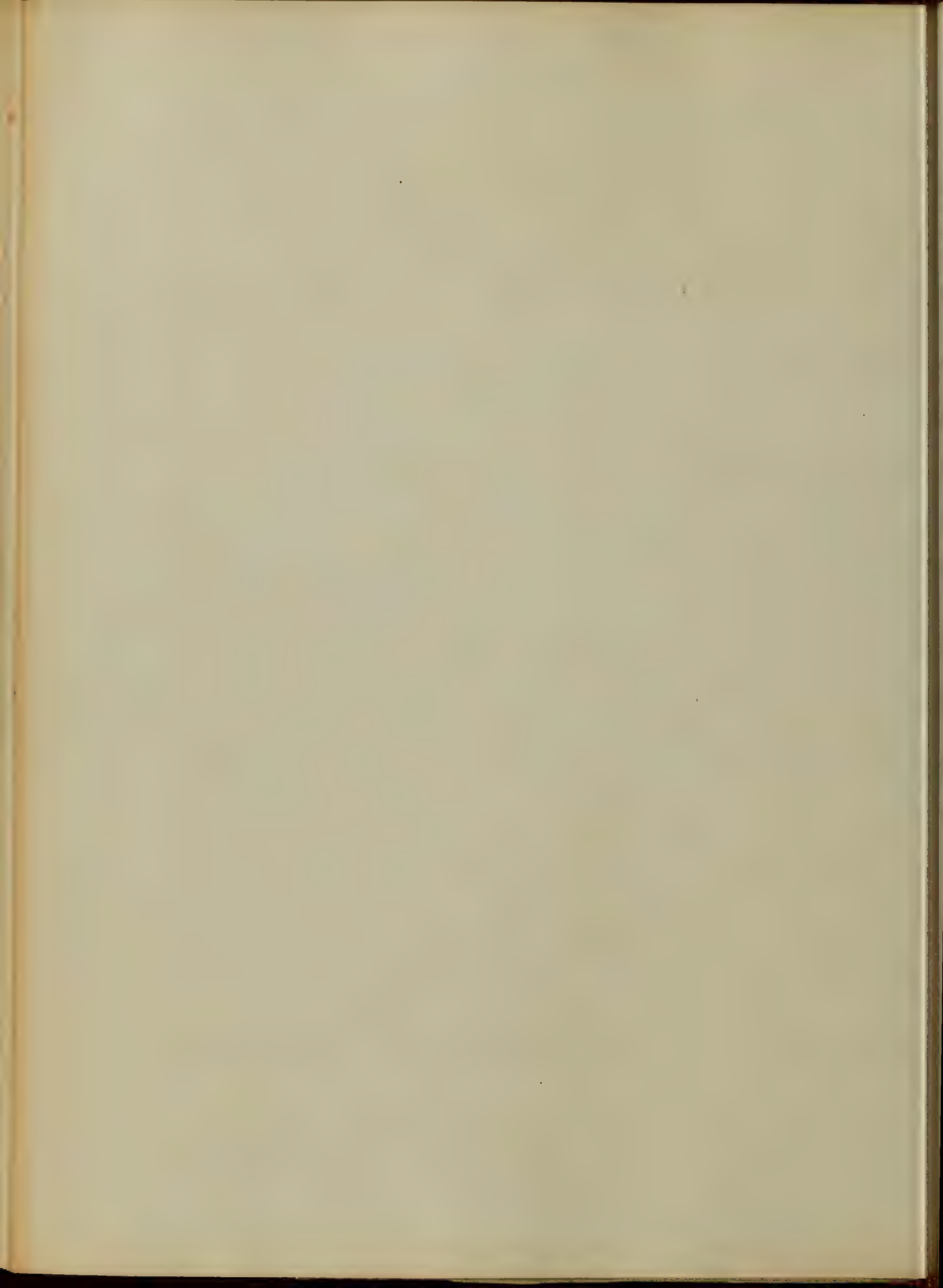
Noarseness should direct our attention to the throat, and ascertain the cause.



Pneumonia.

Pulmonary tuberculosis is
altogether a disease, whether
innate or acquired, upon which
much our information is limited.

We may have local causes upon
the lung, itself, but based upon our
disputed grounds, or they may usher
in some pre-existing such as, for
instance, the following some pulmonary
affection. Wiemer and others, consider
that it is dependant upon a
upon 'Bronchitis', so he called it
'Chronic Catarrhal Pneumonia', while
Plunk on the other hand, says he has
often seen cases without, and rarely
with, bronchial catarrh, preceding
its development, and his researches

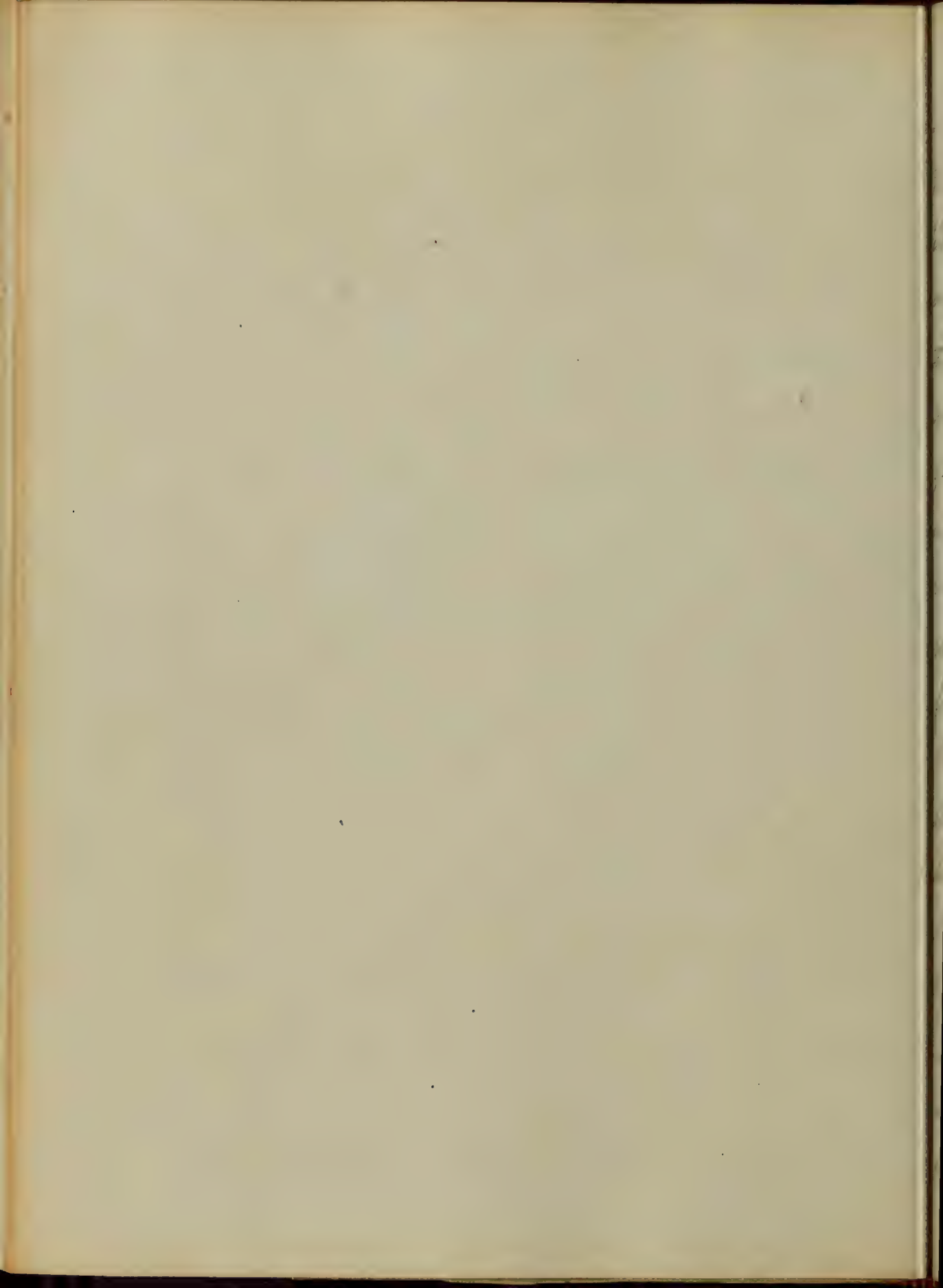


were borne out by Louis's experiments.

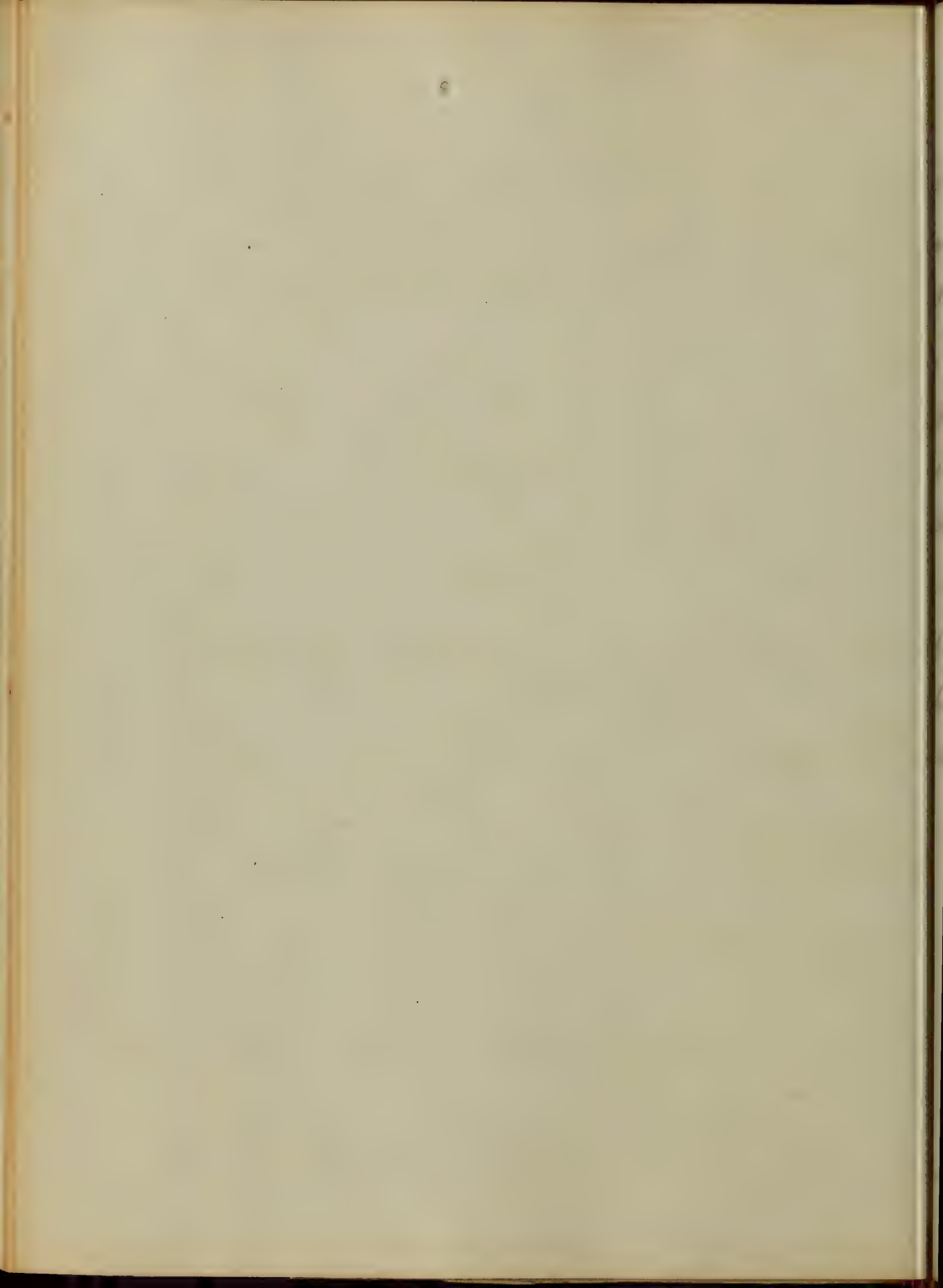
Some assert, inhalations of irritating substances, as stone dust, or fine particles of wood, will give rise to this disease, or 'chronic, interstitial pneumonia,' which is hard to diagnose from tuberculosis.

The conformation of the chest, also living, which we would rather consider conservative, than otherwise.

Climate exerts a marked influence where it is of uniform temperature, and is found at various heights from the level of the sea. There is preservation influence. In Iceland and in the Alpine regions, 5000 ft and better, above the level of the sea, Consumption is rare. Ventilation is another cause.

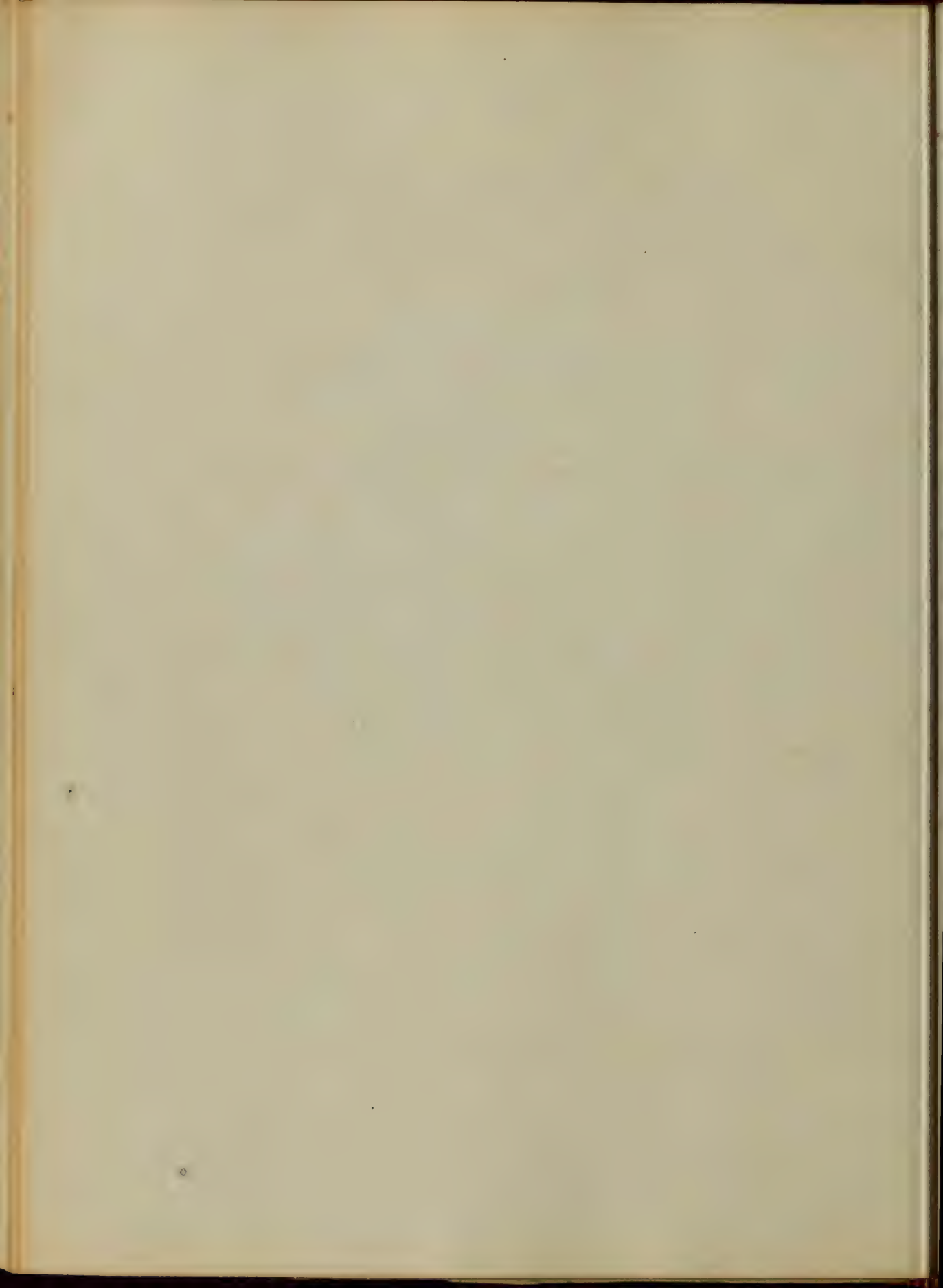


pregnancy is said, to antagonize, the
tuberculous cachexia, and marriage
advised, both facts do not support
this theory. The more efficient causes
are congenital, or inherited, and
generally derive, the fact found, thus
in our hospitals, and, would be
noted in private practice, that other
members of the family have suffered
from lung troubles. The causes seem
to act most energetically between
the ages of twenty and thirty, in
producing this disease, though as
before stated, it may be found at all
ages. Pulmonary Empyema, malaria
leads, to tuberculosis, sub measles
and typhoid fever, leave the system
in a condition for their development.



Unusual cases, contrary to what one
might expect, are not found to this
disease, says Flint.

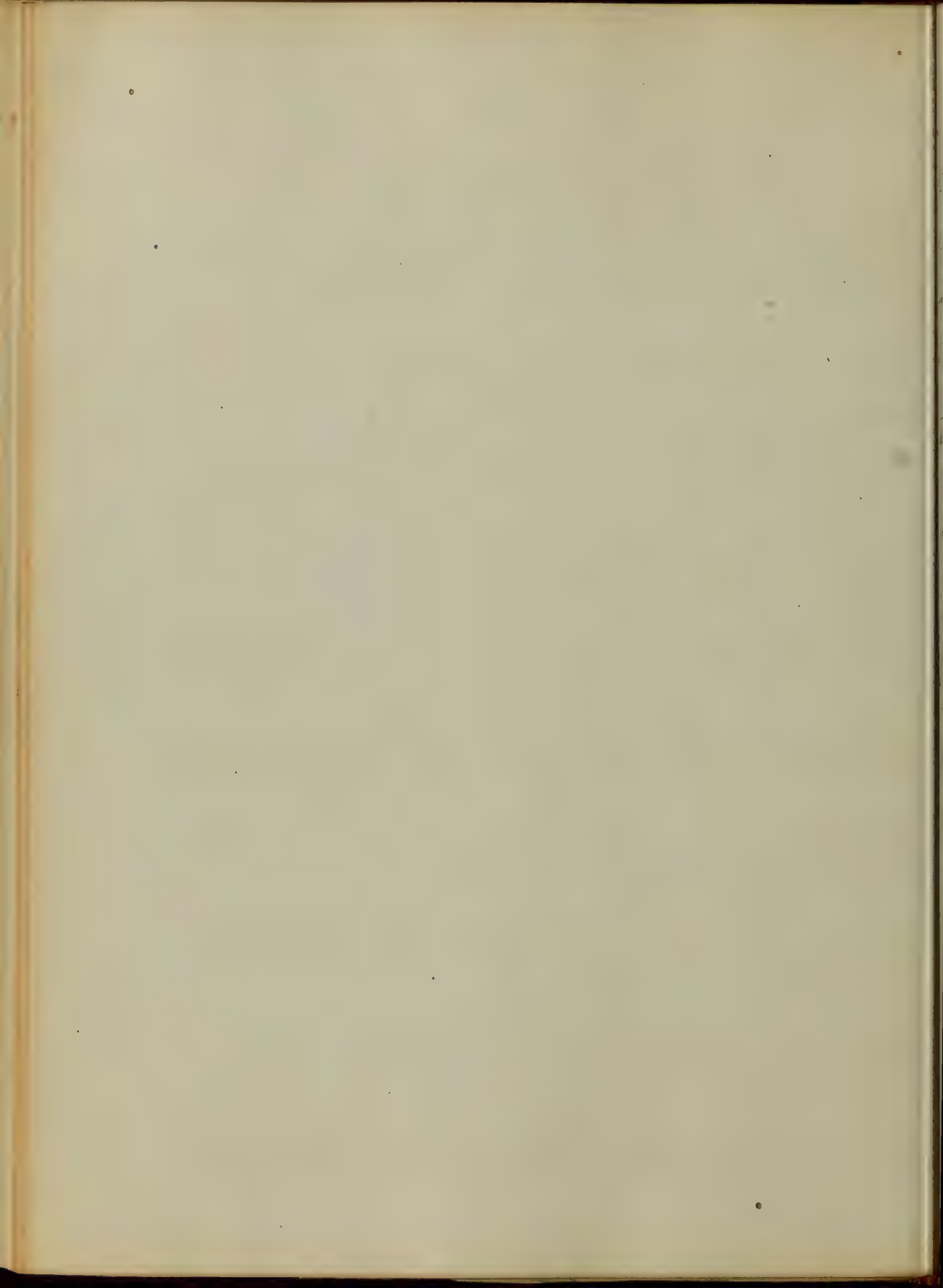
Those with scrofulous swelling of
the glands, and cicatrices, rarely
become tuberculous, the cause of
chronic pharyngitis. Finally
inoculations attempted in the
hands of M. Villenue of France
have succeeded. Its contagiousness
is disputed.



Diagnosis.

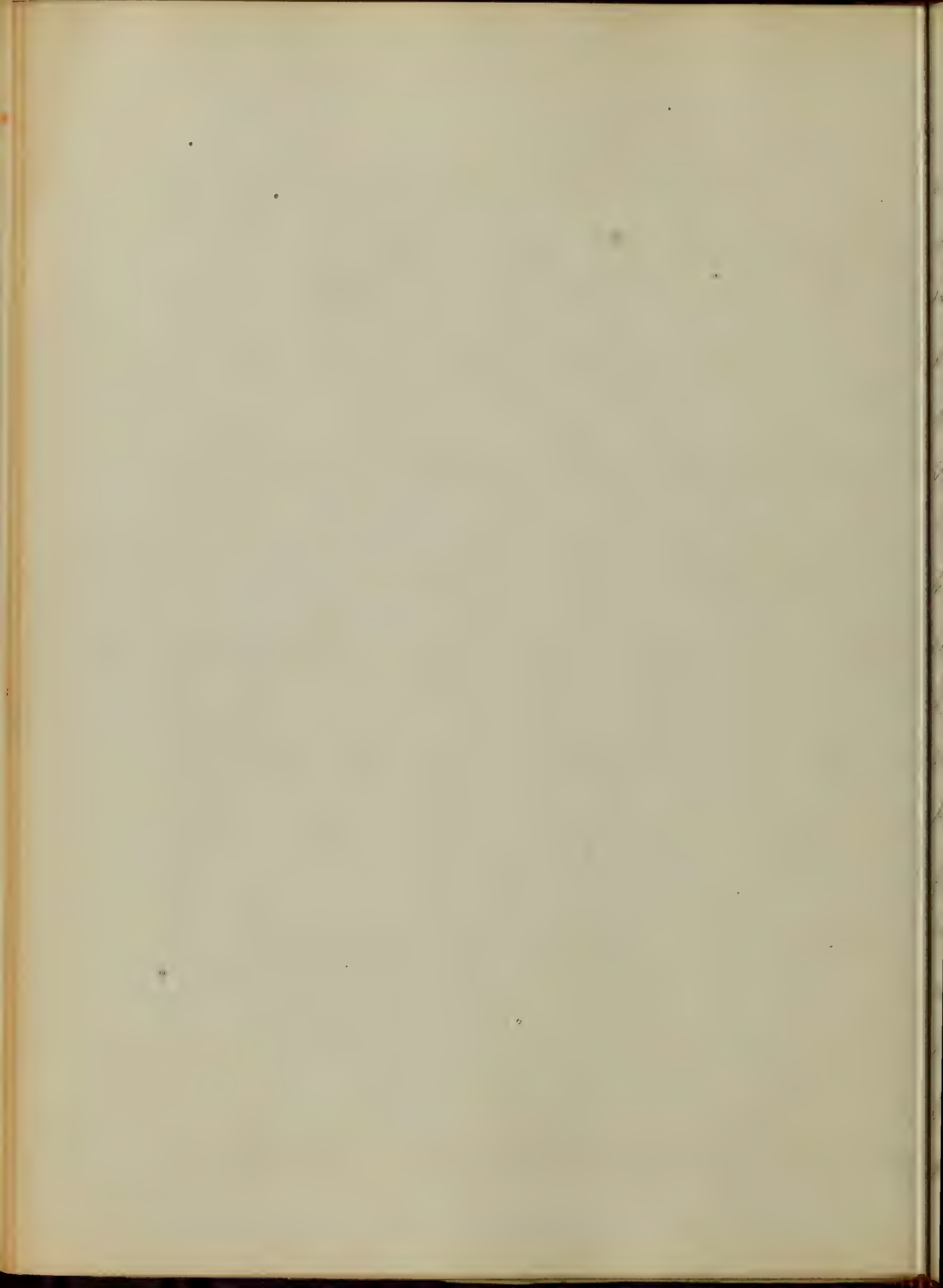
The art of a physician, his studies and his observations are, often called into play, in classifying, and differentiating diseases, though very difficult, yet in time we may train ourselves, to be able, to identify the early sparks of any disease, and the signs peculiar to each individual case. In diagnosing this disease, we must consider, the symptoms enumerated under the head of Clinical history and with great dependance upon physical signs. In children it is more difficult.

Upon inspection of the patient, we noticed a depression, at the top of the lung. When the patient takes a full breath,



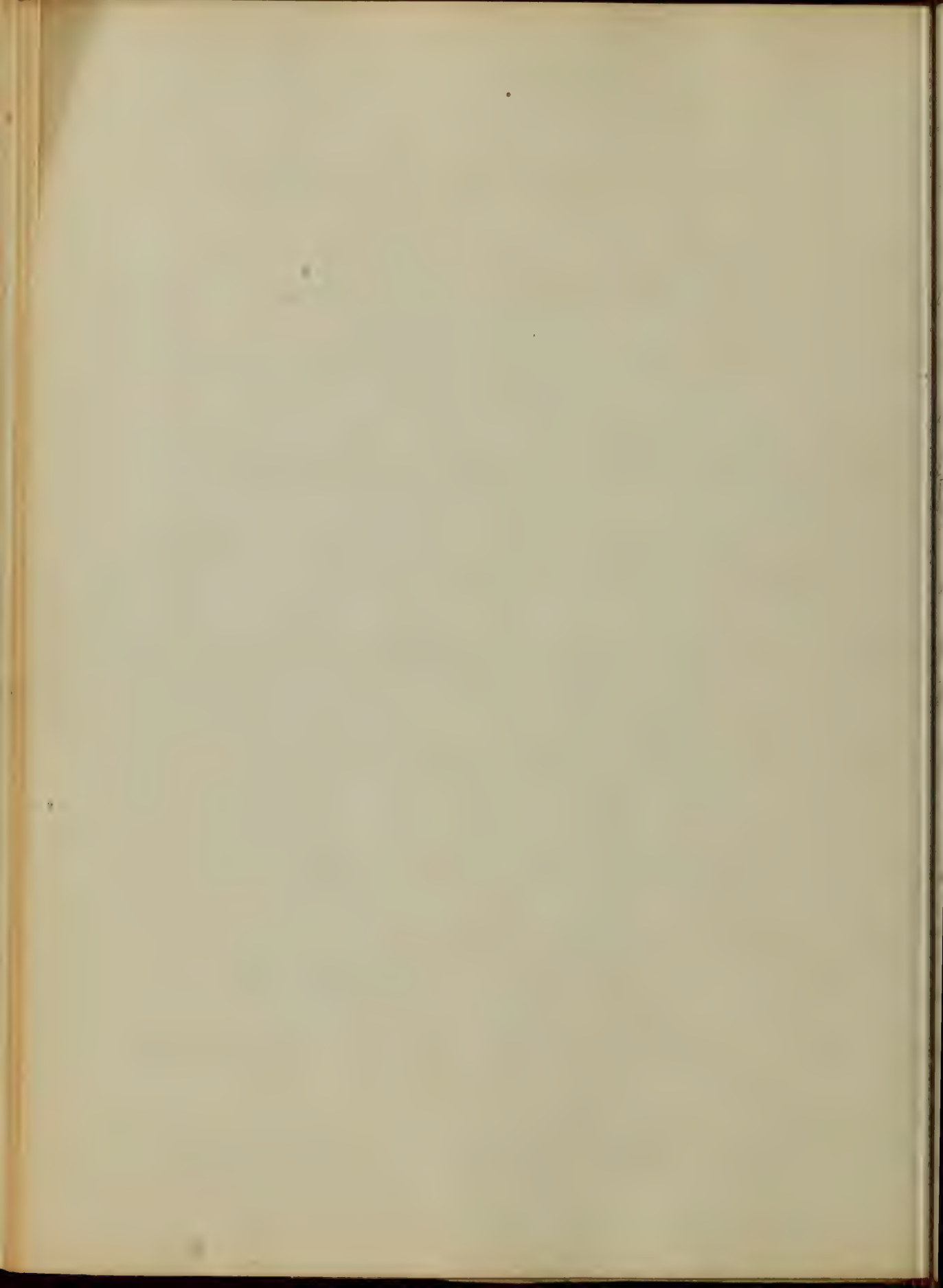
we find the lung does not expand, to so great a volume, as the healthy side, likely, due to pleuritic adhesions. By percussion, we elicit dullness, or flatness, over the affected side, but if the lung is still solid, before the stage of softening, then we have a tympanitic resonance; and if we find this over a circumscribed place, and accompanied with a cracked metal, or an anhoric resonance, then we should consider, that we have to deal with a cavity.

Upon auscultation, we invariably find the expiratory murmur, increased, due, to an impairment of the elasticity of the lungs, the breathing is harsh, while bronchial respiration



and bronchophony, will be heard
as the disease advances; and, it
is often in these stages, that patients
seek medical aid. The tubercles
increasing, compress the lung, causing
depressions to be more marked,
with large crepitations, while, the
healthy lung will take on a slow
respiration, - murine breathing.

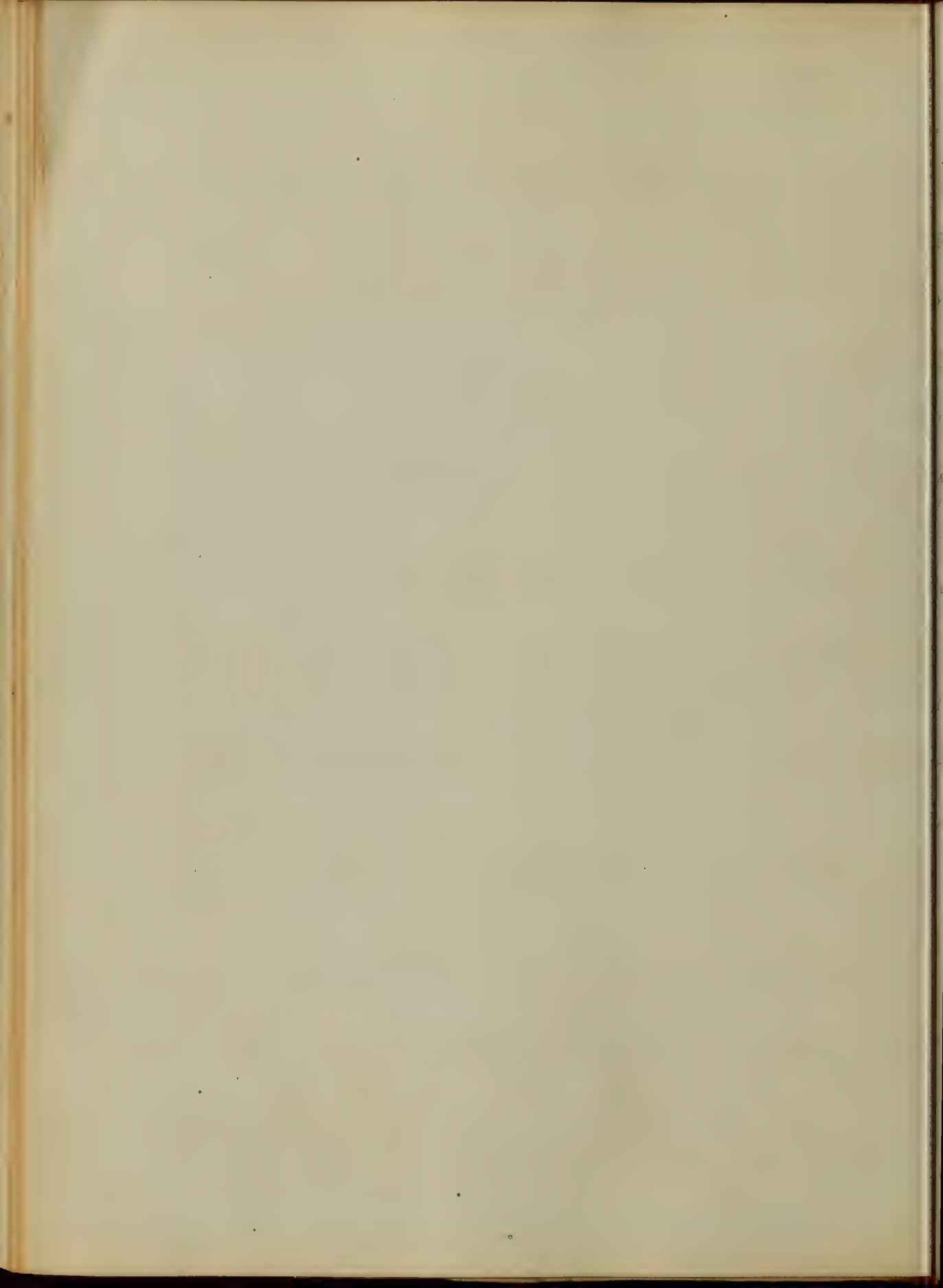
Later, the tubercles soften, and are
evacuated through the neighboring
bronchi, and thus new cavities are
formed. If we auscultate the chest, we
will hear at this stage, a gurgling,
or humid crackle, caused by the
bubbling of air, in the cavity; we should
see also however, gurgling due to a
dilated bronchi, with chronic inflammation.



when the cavities are void of liquid,
we have coarser respiration, if
large, then amphoric, and pectoriloque.

The morbid signs are more marked
at the top of the left lung, than the right.
If noticed at the base, look for Emphysema.
Some differential points, from other maladies,
are worthy of consideration.

Chills, not referable to malarial poison.
Stitch like pains, from, intercostal Neuralgia
accelerated breathing - chronic peritonitis,
not traumatic. Buoyancy of mind,
as contrasted with despondency -
between chronic bronchitis, and
tuberculosis, former rare except, in aged
persons, and, those affected with heart
disease, and especially, those suffering
with asthma, or emphysema of the lung.



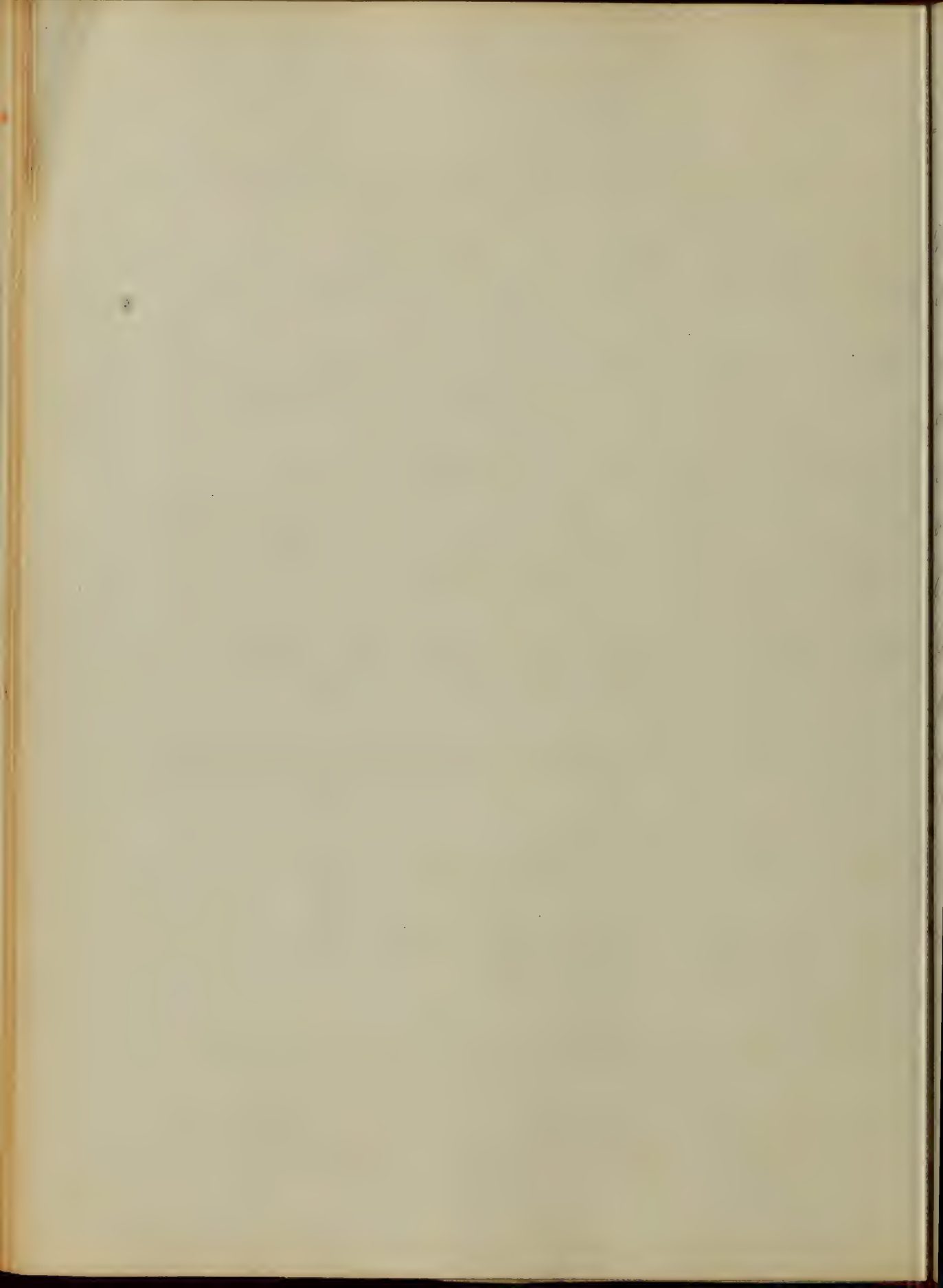
Which affections, are rare in tuberculosis,
and different from pneumonia.

The latter disease is more rapid, in
its development, with fine, crepitant
râles, with its own, characteristic
sputa, and also, the lower, and
middle lobes, being generally, affected.

Suppression of, the menses may occur,
but this may be due to other causes.

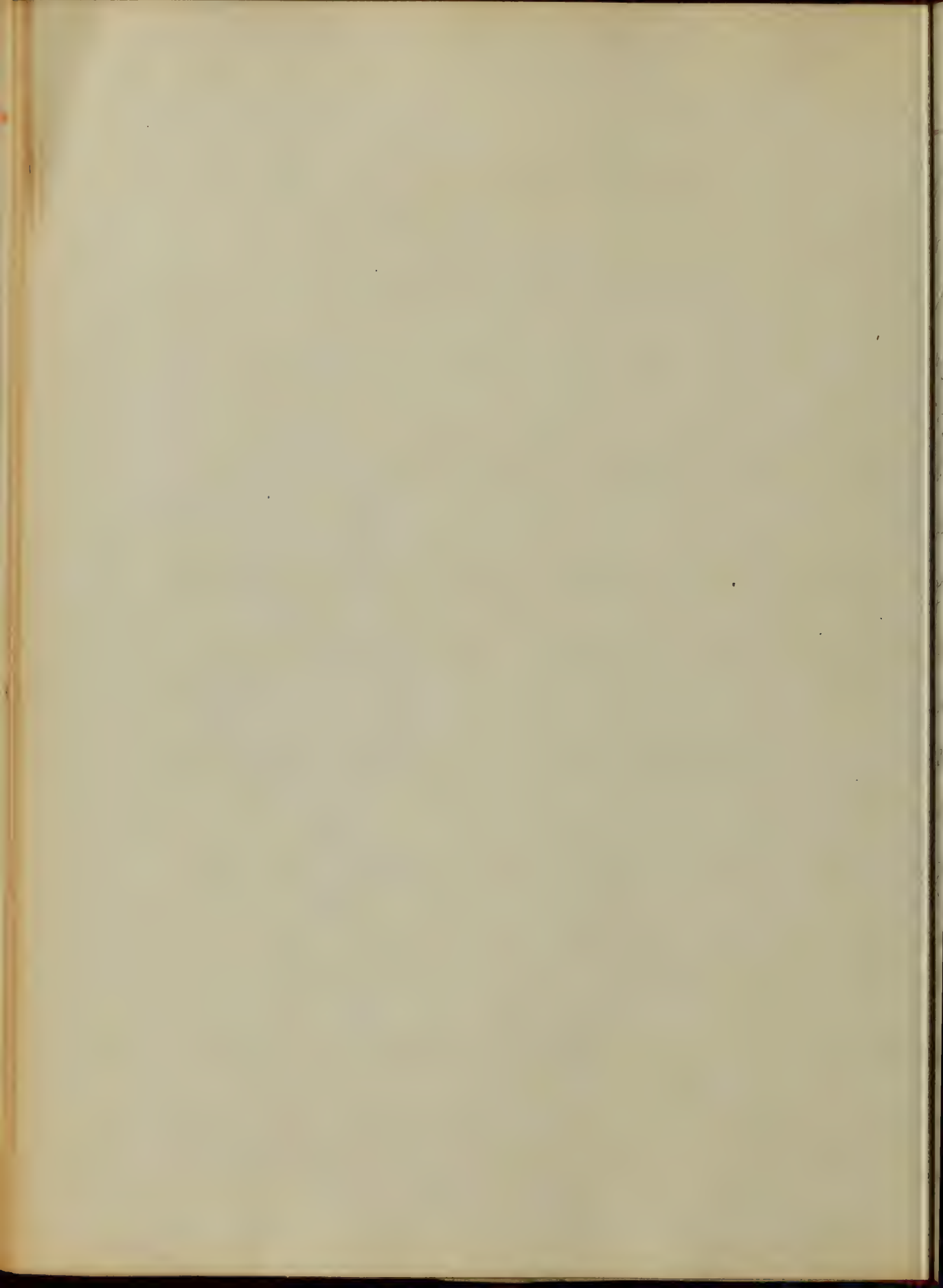
A tuberculous patient may have a
transient circumscribed pneumonia,
in such a case, the practitioner
should make several examinations
at variable periods, to see if it
does not subside.

Protracted diarrhoea, or frequent
attacks of diarrhoea, not controlled
readily by medicine, occurs in, tubercular cases.

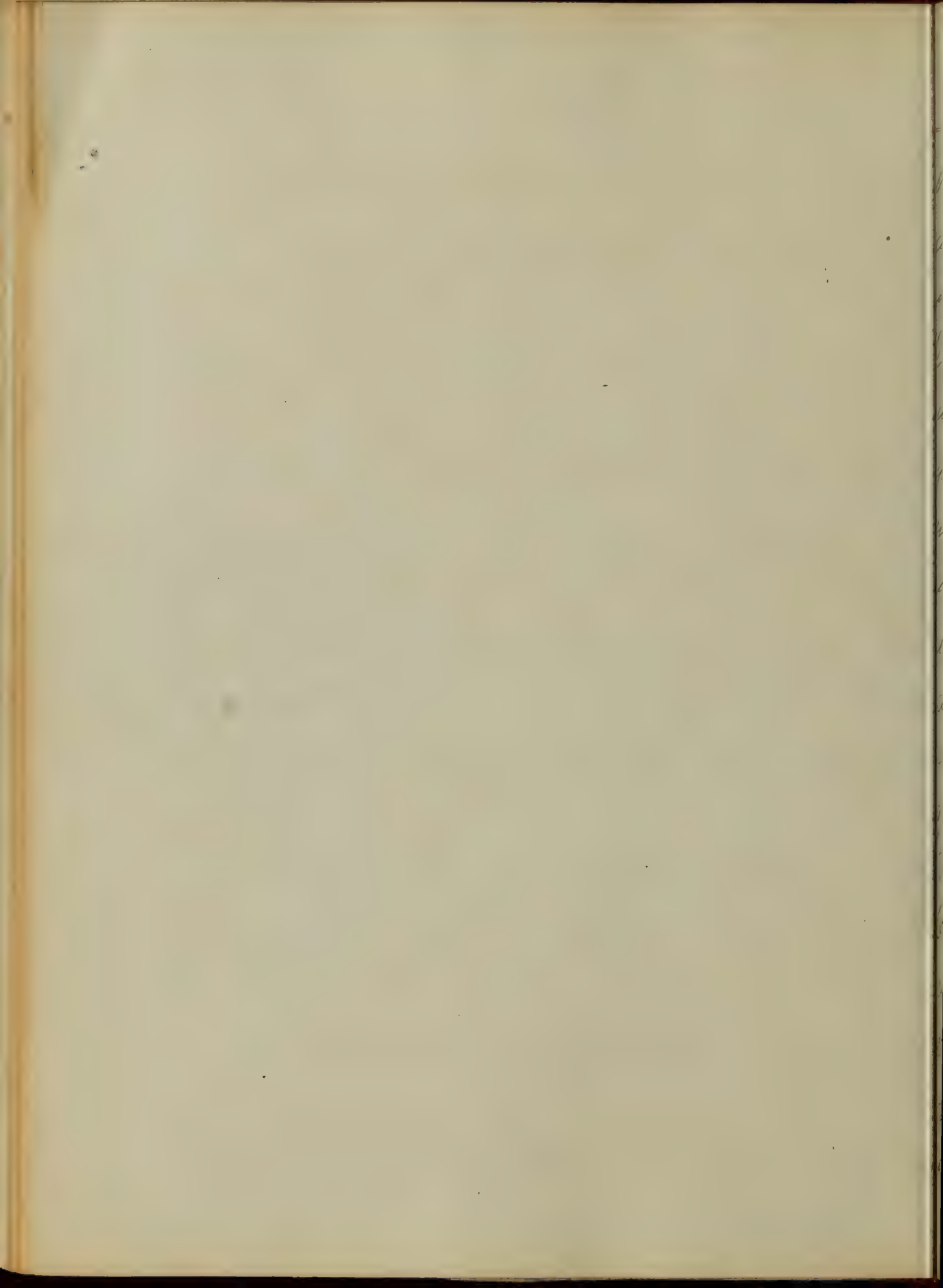


Prognosis.

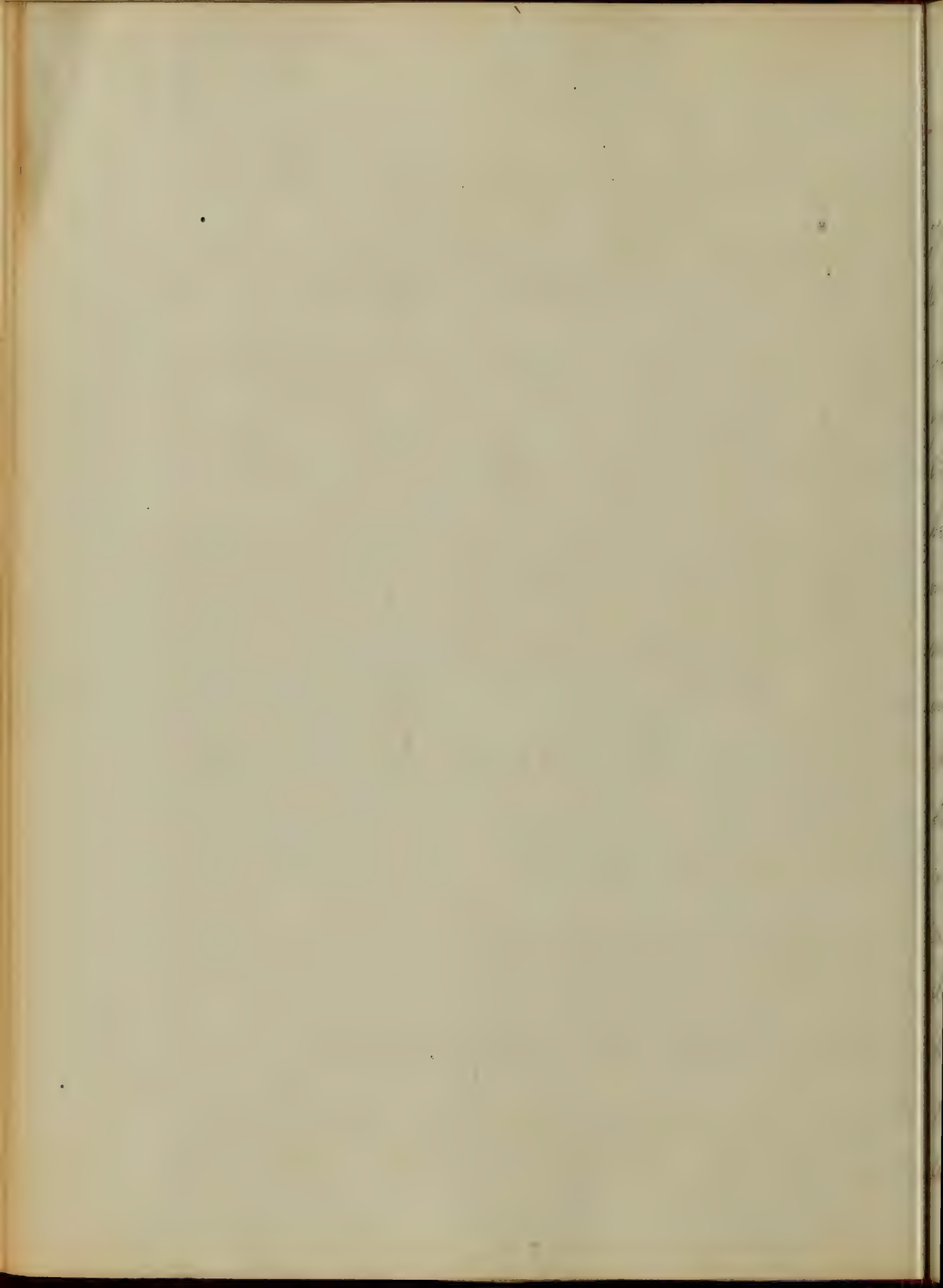
We can only bespeak for this disease, an unfavorable issue, in a large majority of cases; however, owing to the diligent researches of able practitioners of the present day, and thanks to, their scientific, and pathological investigations revealed to the world, and to the Medical profession generally, for the mortality is considerably less, than previous years. The disease results favorably, in a few cases by absorption of the deposit, in part, while the mineral elements, remaining as calculi behind, may lie dormant, or be expectorated. Cavities may cicatrize or may remain for ever, in definite



period, and arrest taking place for
variable periods, periods, and then
breaking out a fresh, in, the formation
of new, tubercles. I think reports arrest
of the disease in several of his cases,
without any medicine, but when
the disease is extensive, then the prospect
of recovery is gloomy. So also the cough,
the general symptoms - expectoration,
its character, and that of the pulse,
chills, sweating at night, and great
debility, and our authority informs, us,
Haemoptysis is often a favorable
symptom. The condition of the appetite
and digestive organs, should be considered
according to Dr Sobell, whose views in
part are well grounded, considers a
case more favorable, when febr can be



taken, and judiciously assimilated,
and the patient is under favorable
hygienic conditions. Against diarrhea
is gloomy, and when weight is grad-
ually lost, and accompanied by
gradual emaciation, then, and
unfavorable progress of the disease
is self evident. Perineal fistula
is regarded favorable. Energy of character,
and a determined will, are important in
withstanding, this disease; The patients
generally die by asthenia, rarely by apnea.
Various complications may usher on death.
Pneum. Hydrothorax may be developed, or
acute Peritonitis set in, and prove
rapidly fatal, from perforation of
the intestine, or meningitis may supervene.
or protracted, diarrhoeal, is being very serious

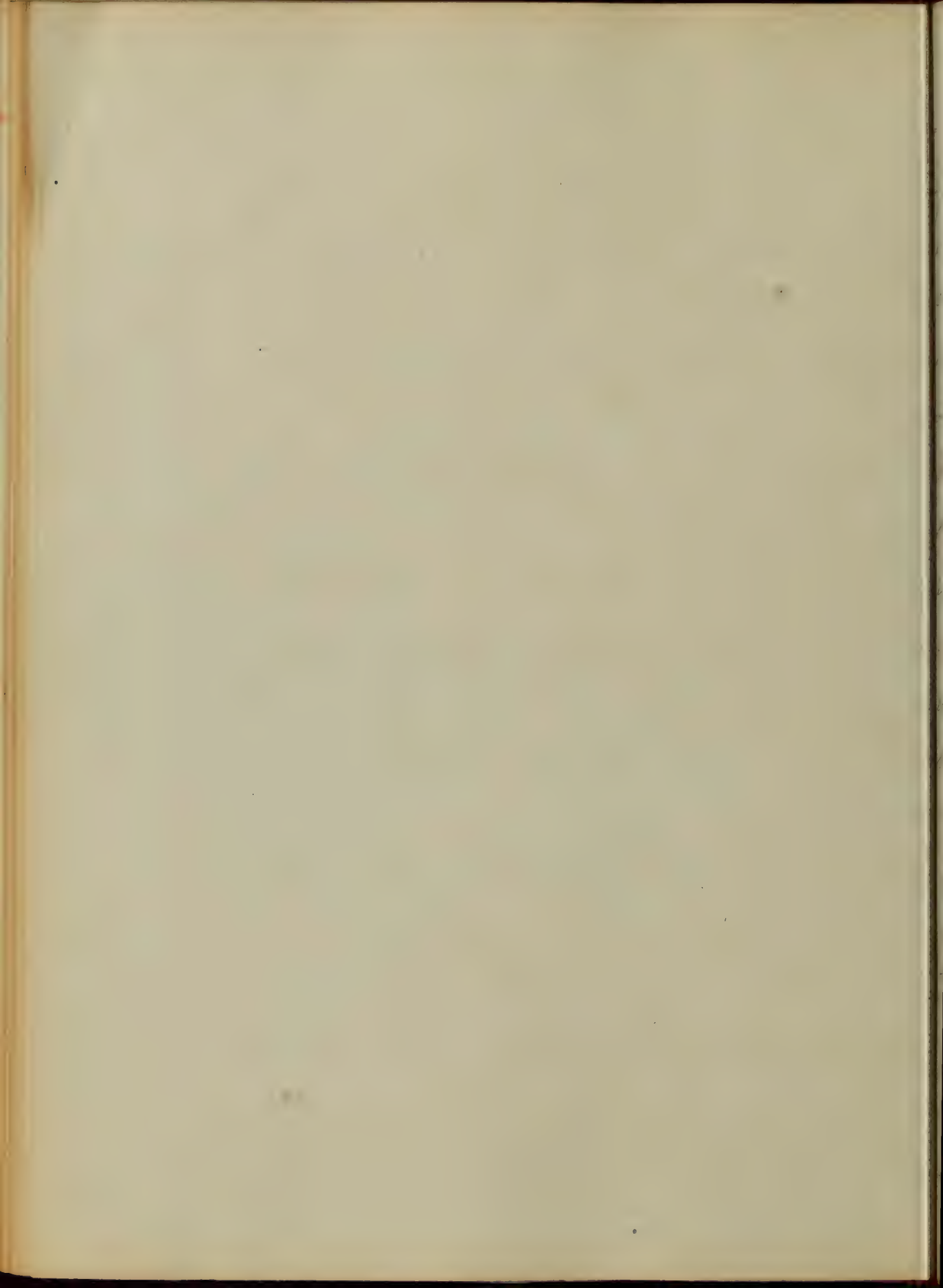


Treatment.

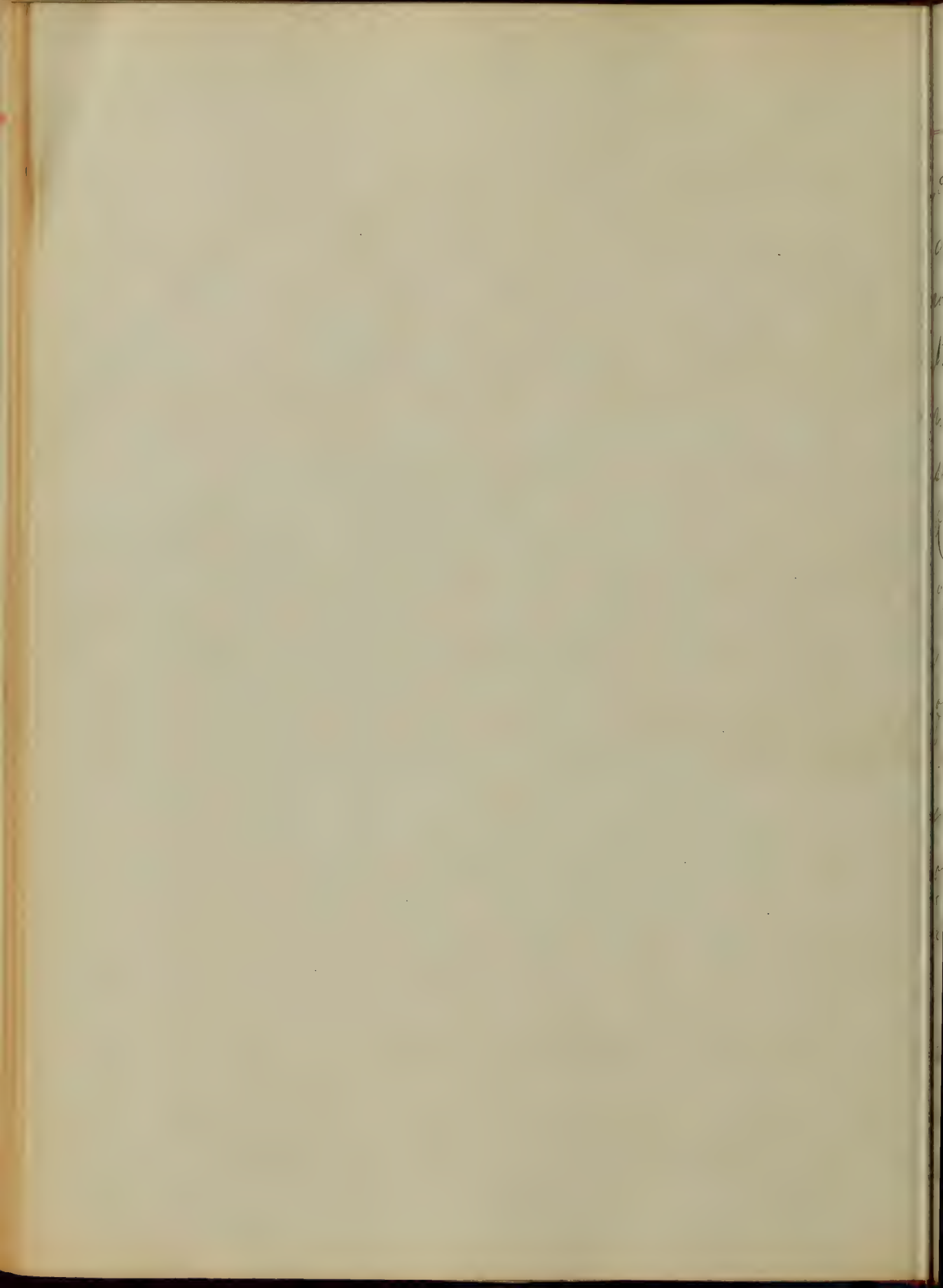
What is to be done for the patient? to answer this question, indirectly, is, the limit of our knowledge upon a curative treatment.

All depressing influences, must be removed; the stomach, intestines, or it may be, the liver, and kidneys, must be relieved of their burden, and stimulated to healthy action; the same for the whole animal structure, and its organs.

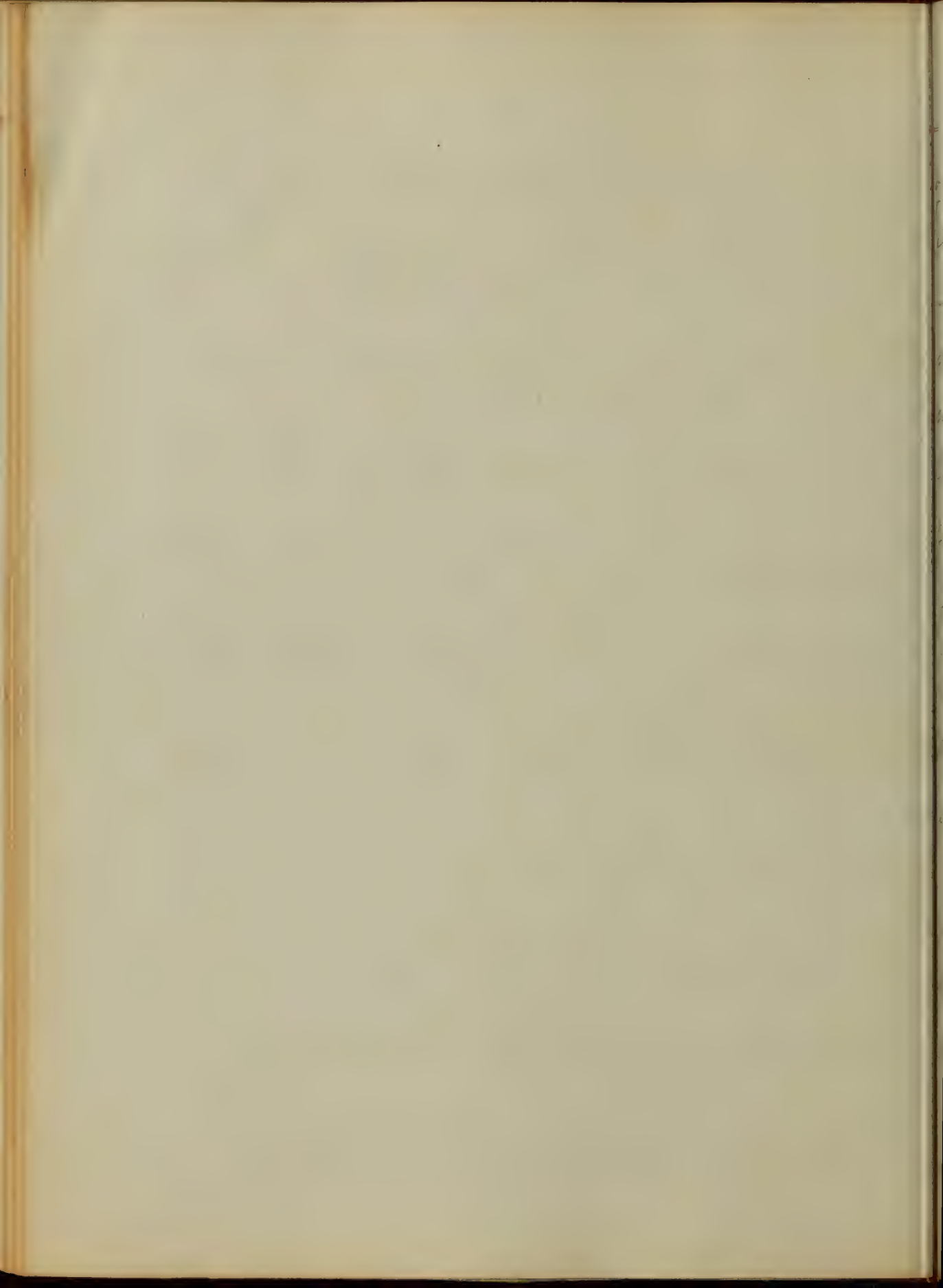
Exercise, and plenty of out door life, as can be borne with comfort, ascending elevated regions, or hunting upon the prairies of the west, or in the cold, clear, windless air of Minnesota, or cruising out board, a vessel, for a few years,



upon, the Mediterranean sea, or
in a different climate, as the
case may require. Where hygienic
influences are required, or a change in
occupation is deemed necessary, then
the physician is obligated, for the
benefit of humanity, to demand, them,
and see that they are carried out,
and thus we would see our patients
improving, and rendering, them
better able to earn for, those
who are depending upon, them, for
subsistence, though the sacrifice
for a time, may be very great.
To remove, the poor man, or woman,
from the work shop, or cellar, or the
rich, and intelligent, from law courts,
schools, libraries, museums, and other

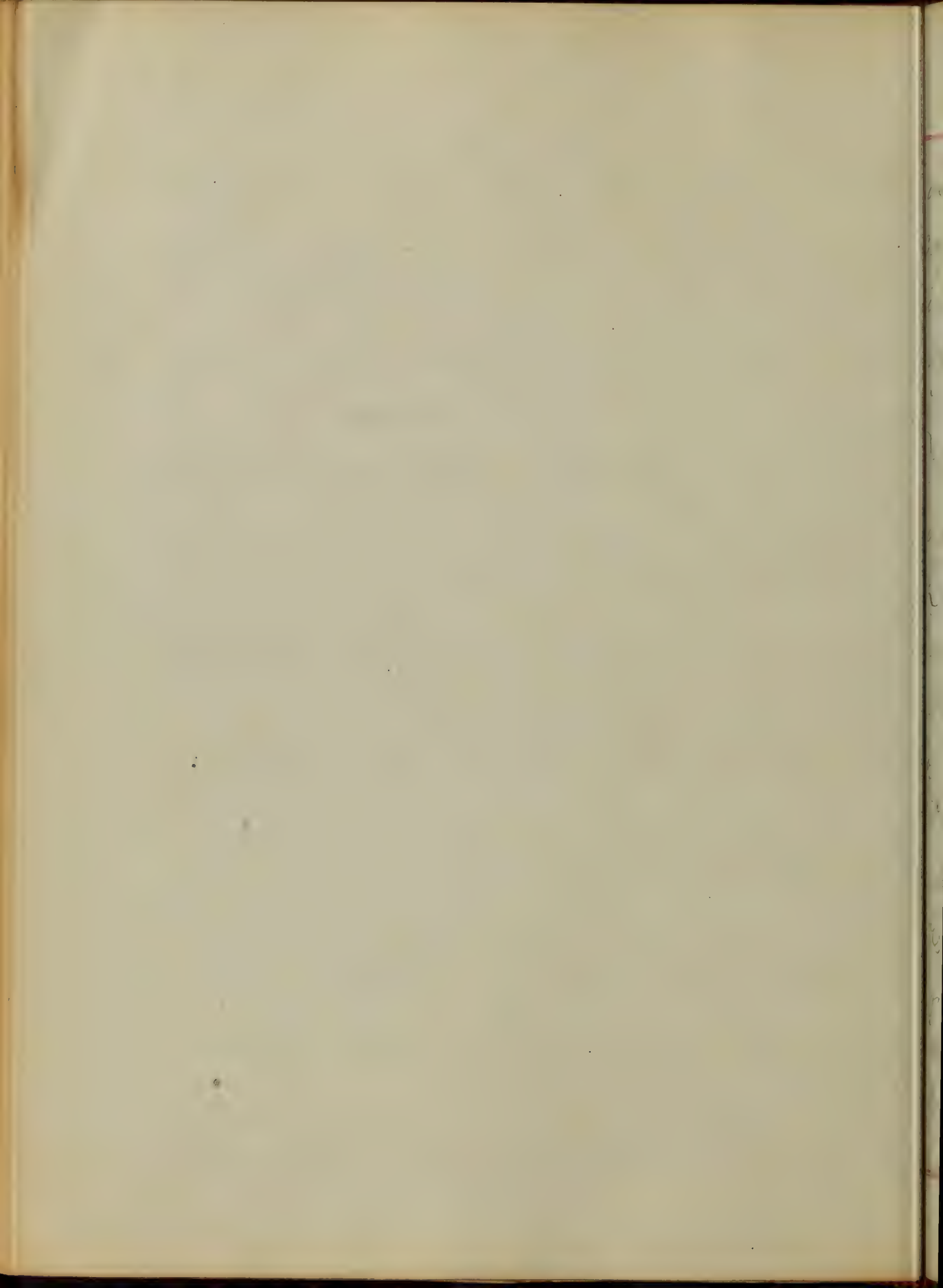


Engrossing, sedentary occupations,
and the serious difficulties, and obstacles,
which lie in, the Doctors path, in
treating a case. Uniform cold climate,
was considered, valuable, but we
should consider, the collateral, or
Rheumatic affections, independent
of, the Consumptive diathesis, thus, to
the common Catarrhal complaints
of patients, a moist, cool air may
be, injurious, while a dry stimulating
warm air may be necessary, ^{for} the removal
of others, so you see a climate may
seem, and does palliate, or cure, one,
and kill another, suffering with
this affection! So seem, up the climate
treatment, - a warm bracing air, which
would render a weak person, less conscious



of their weakness, and that an equable
climate, may, improve, the digestion,
and, the appetite, by allowing, them
more out of door exercise, and will
not render, the system liable to
Catarrhal affections of the air passages,
of glands of the general surface, and
of local affections, or any of, the
Collateral affections as before stated.
Portions of Florida - California, and
Minnesota, in this country, are highly
shewn of, and recommended by
the Medical profession.

Now for Drugs. Many remedies
have been tried, but give little success
except as adjuvants, to the impure
Cod. liver oil, in its various forms.
Dow, says, Dr Dobell, should not be given,



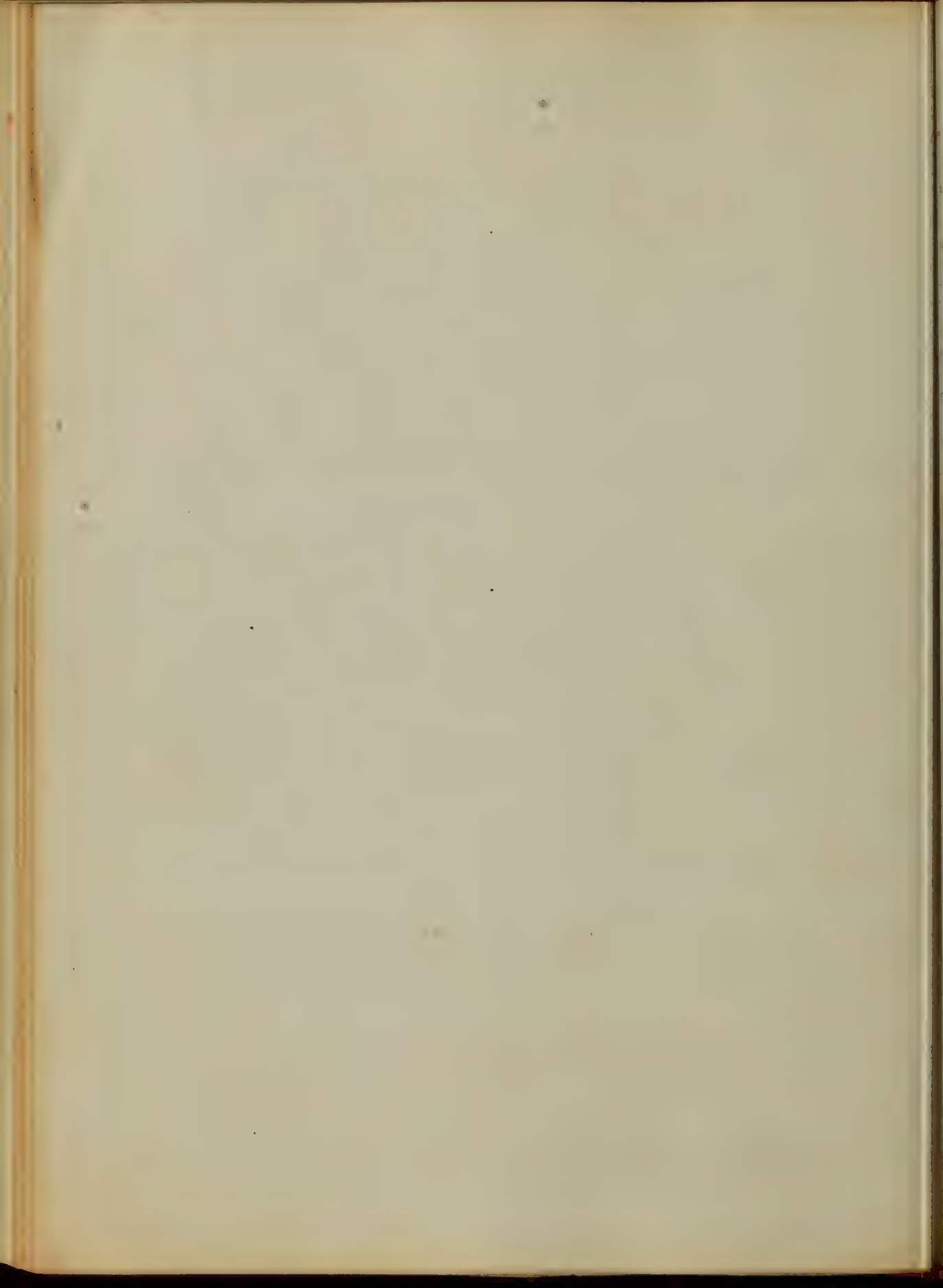
as it increases the number of red
globules in the blood, and thereby
increasing the oscillation of the system,
where there is a deficiency of Carbon.

It is used as a tonic in the use of iron, in
Anemia, is held in esteem, only in
part, by most practitioners.

Quinine being a better tonic it
increases the appetite, and promotes
the action, of an increased amount
of food producing materials.

We should avoid however exciting
the circulation.

Cod Liver Oil, the plain kind, shipped
from New Foundland, as it is called,
where the Cod fisheries, are carried on
to a great extent, is as good, or "Wit's
Cod Liver Oil and Lime, is much used,

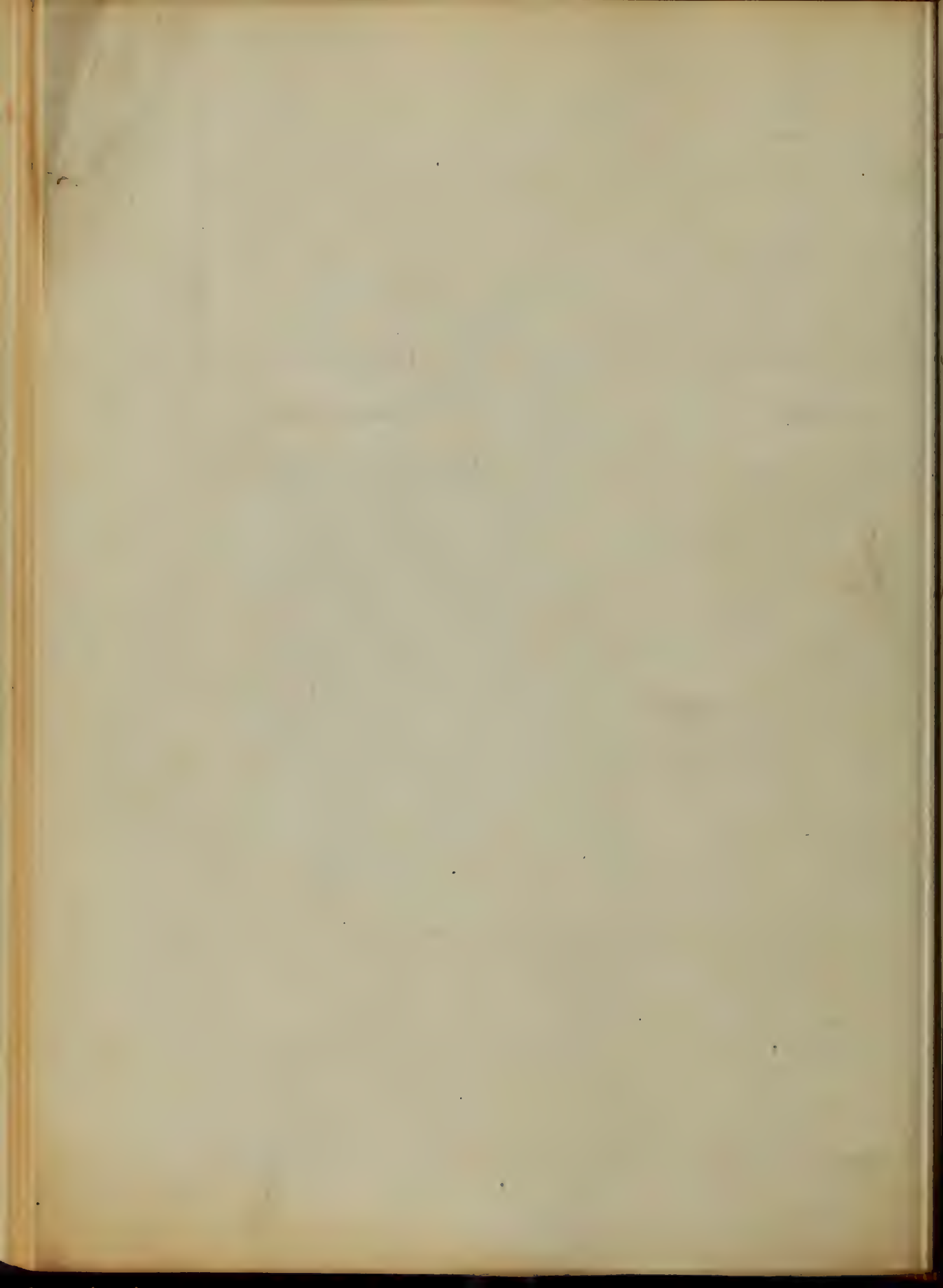


and prefer 'De' Sorgho preparation
of oil, against others desire, the
"American oil" - de matere, or
Dr. Grenus, "right word" "Juged oil".
The above are various preparations of
the God Tree, as for the treatment, each
of this disease. The oil is given in
washful or table-spoonful doses, for
some time, unless contra indicated.

The Hydrochloric and phosphate Potash
have had their day as specifics, but are
rare among the boies. Arnica is highly
valued by some French writers.

Colic, indigestion, or opium, in
some form will relieve the cough.

Stimulants may be used guardedly, when
they do not excite the pulse or nervous system.
In young boies Complications as they arise. —



Respectfully Submitted

to the

Faculty of the University of Md.

School of Medicine

by

R. F. Yoe.

(Calvert Co Md)

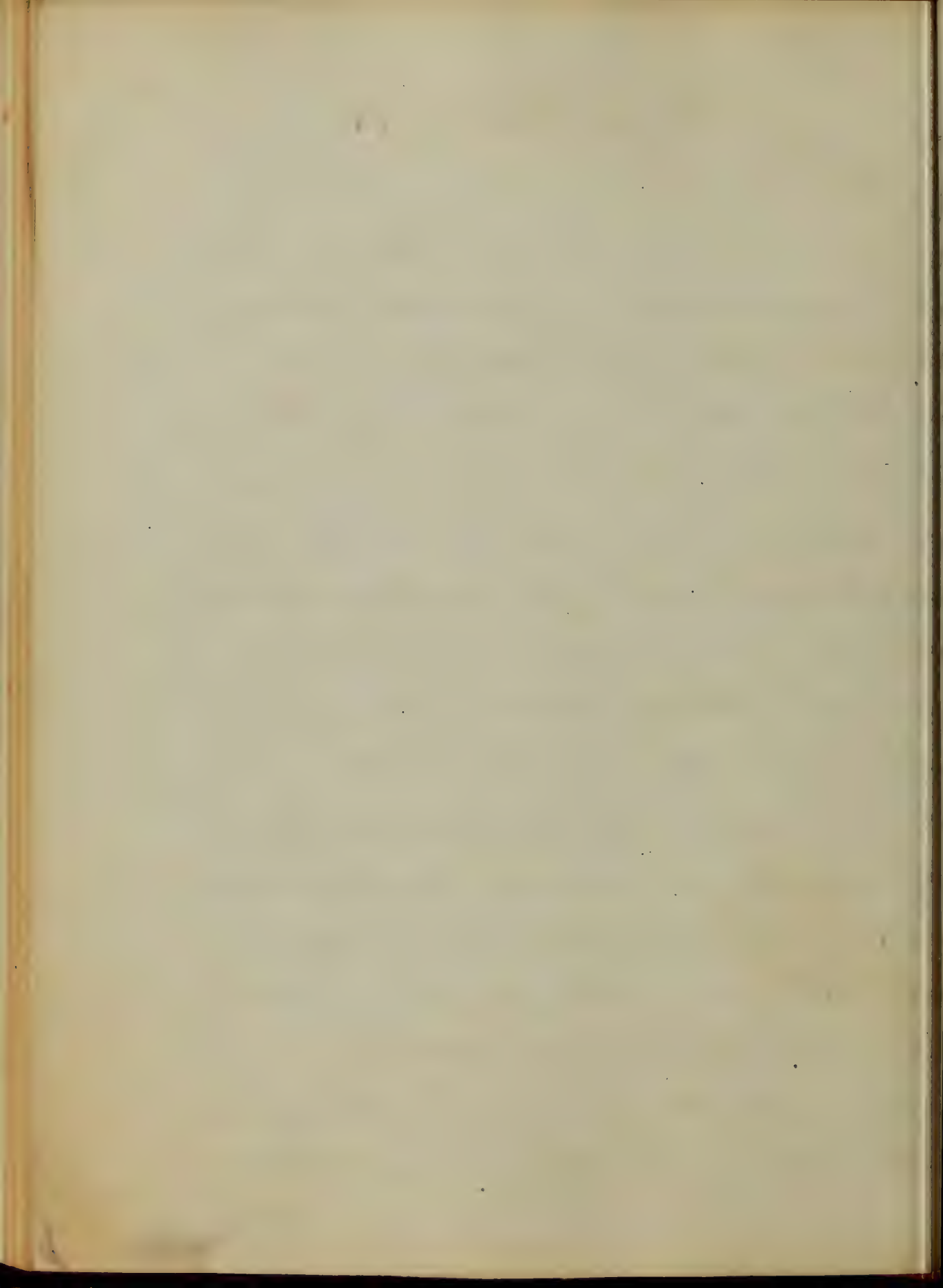
Baltimore. Feb. 12/75.



Diphtheria

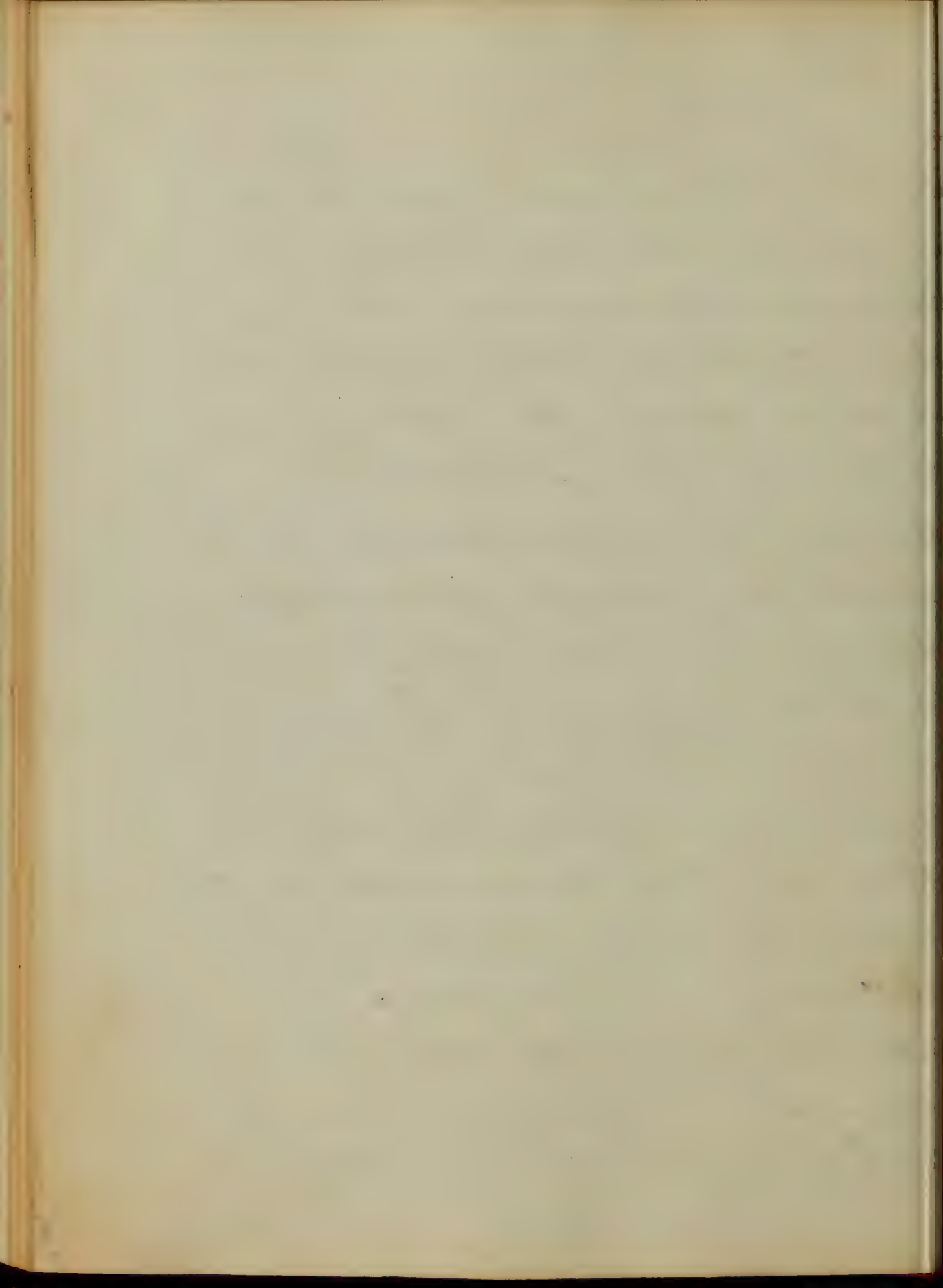
Gentlemen;

In accordance with the requirement of your Hon. Faculty I herewith beg leave to present my Thesis. Having had no opportunity of making any original investigation of disease, I must be necessarily largely indebted to others for my thoughts and theme. But not desiring to restrict myself to the dull task of compiling from Text Books I have endeavored to exhibit some little originality, by presenting a resume of an Epidemic of Diphtheria as it appeared in my own County in 1862. For my materials I am indebted to a record of cases kept at the time, by Dr. Geo. R. Quinan. This being a faithful Clinical Record



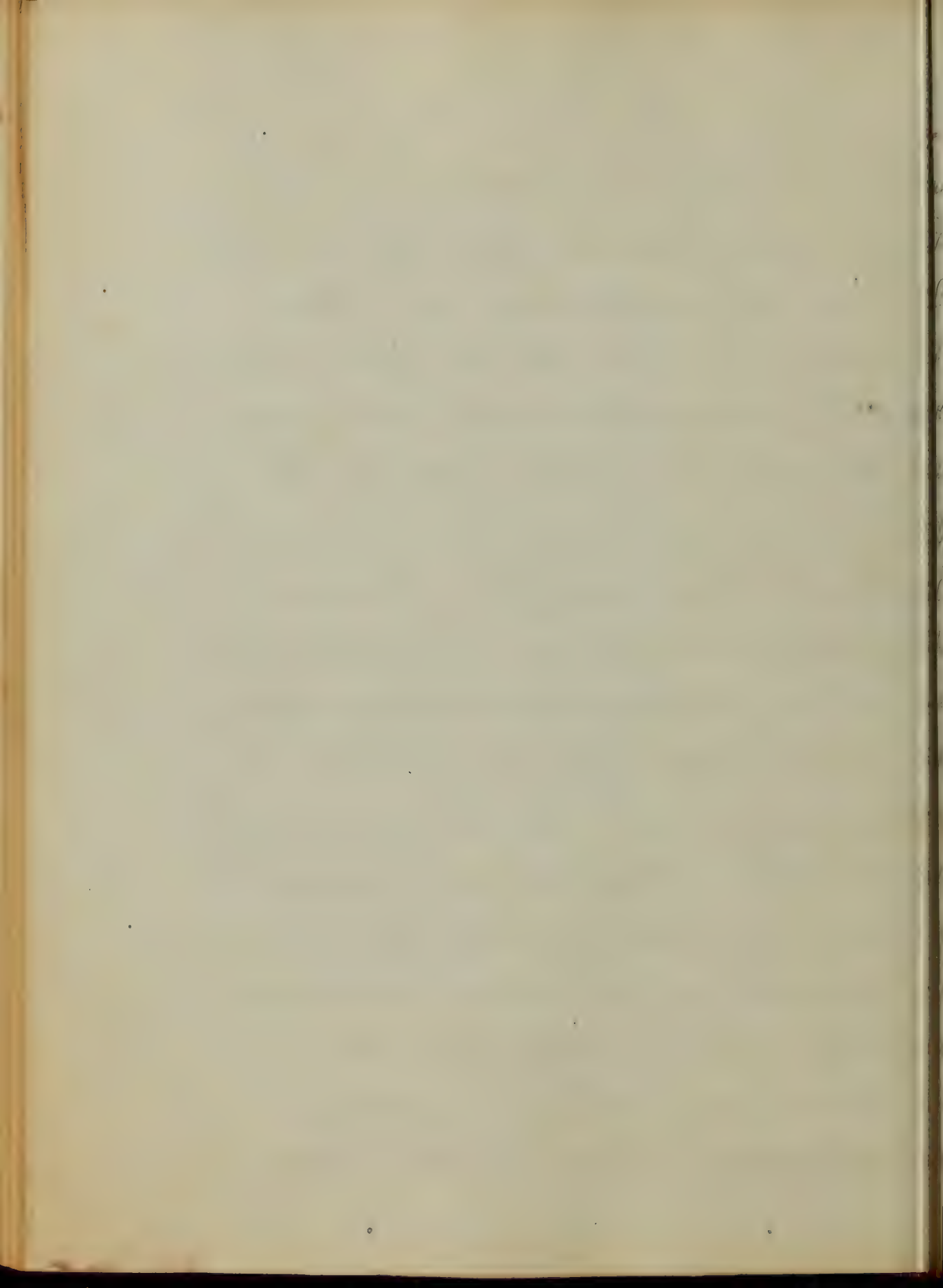
of the Epidemic as it appeared for the first time in that locality, tracing it from one individual to another, proving beyond a doubt that it was propagated by direct contact, (thereby throwing some light upon this mooted point in its Pathology) and at the same time noting carefully the effects of different treatment in checking the progress of the disease, by one whose zeal and skill in the profession entitle him to the highest rank, I cannot but think it will be more interesting and instructive, than hypothetical cases deduced from Text Books.

Notwithstanding the extensive research upon this subject, by the most able of the Profession in all ages,

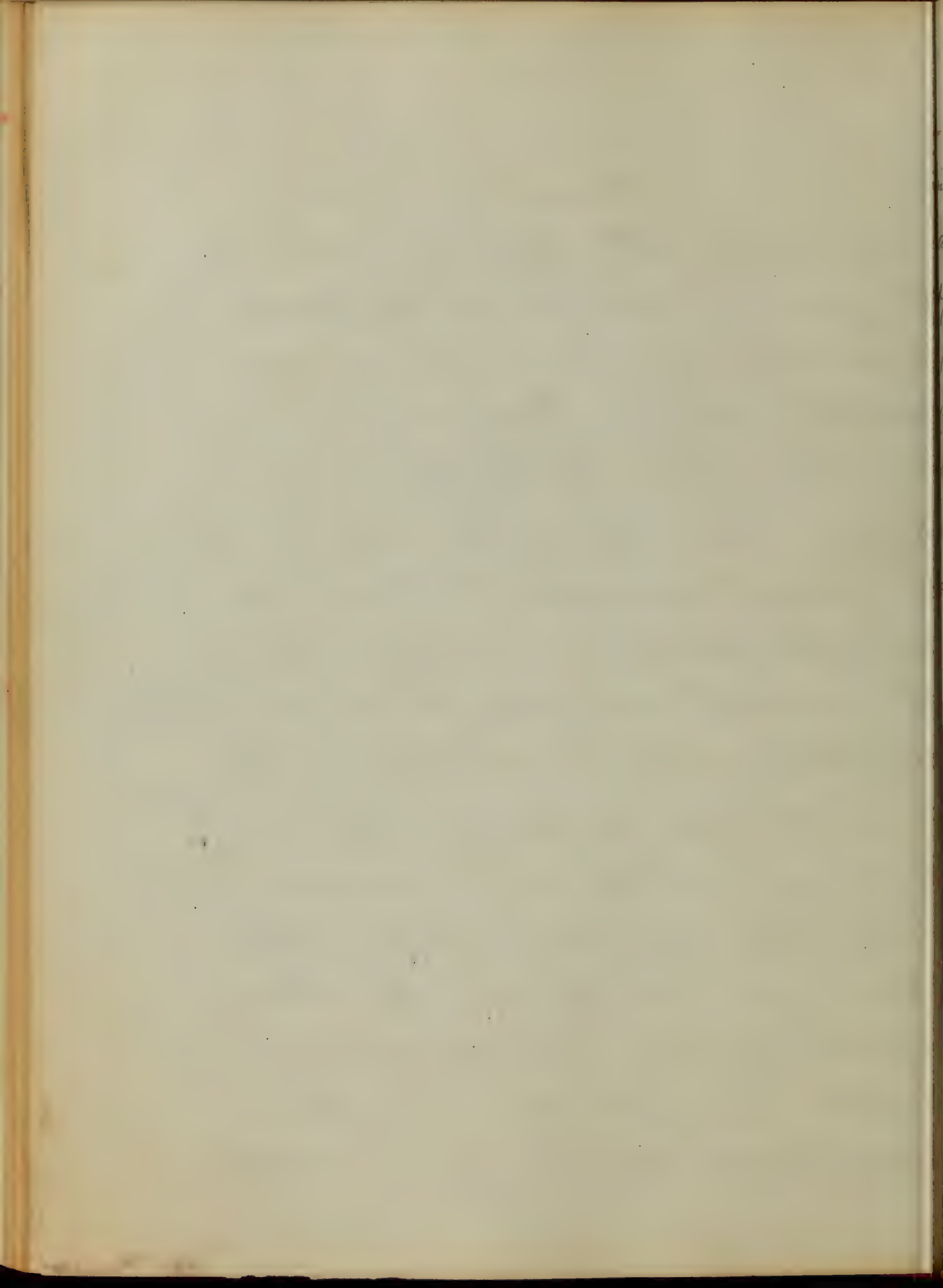


It is to be questioned, whether many important points referrible to the cause, origin, and mode of communication, are better understood at the present time, than they were by those who first grappled with their solution.

To the Physicians of the present age this is comparatively a new disease; to whom practically it was unknown until 1860, when it appeared in Philadelphia in an alarming and fatal form. But while we consider it a new disease to the present generation, we must not for a moment imagine that its existence dates from the year mentioned, for the researches of Greifow, Slade, and others assure

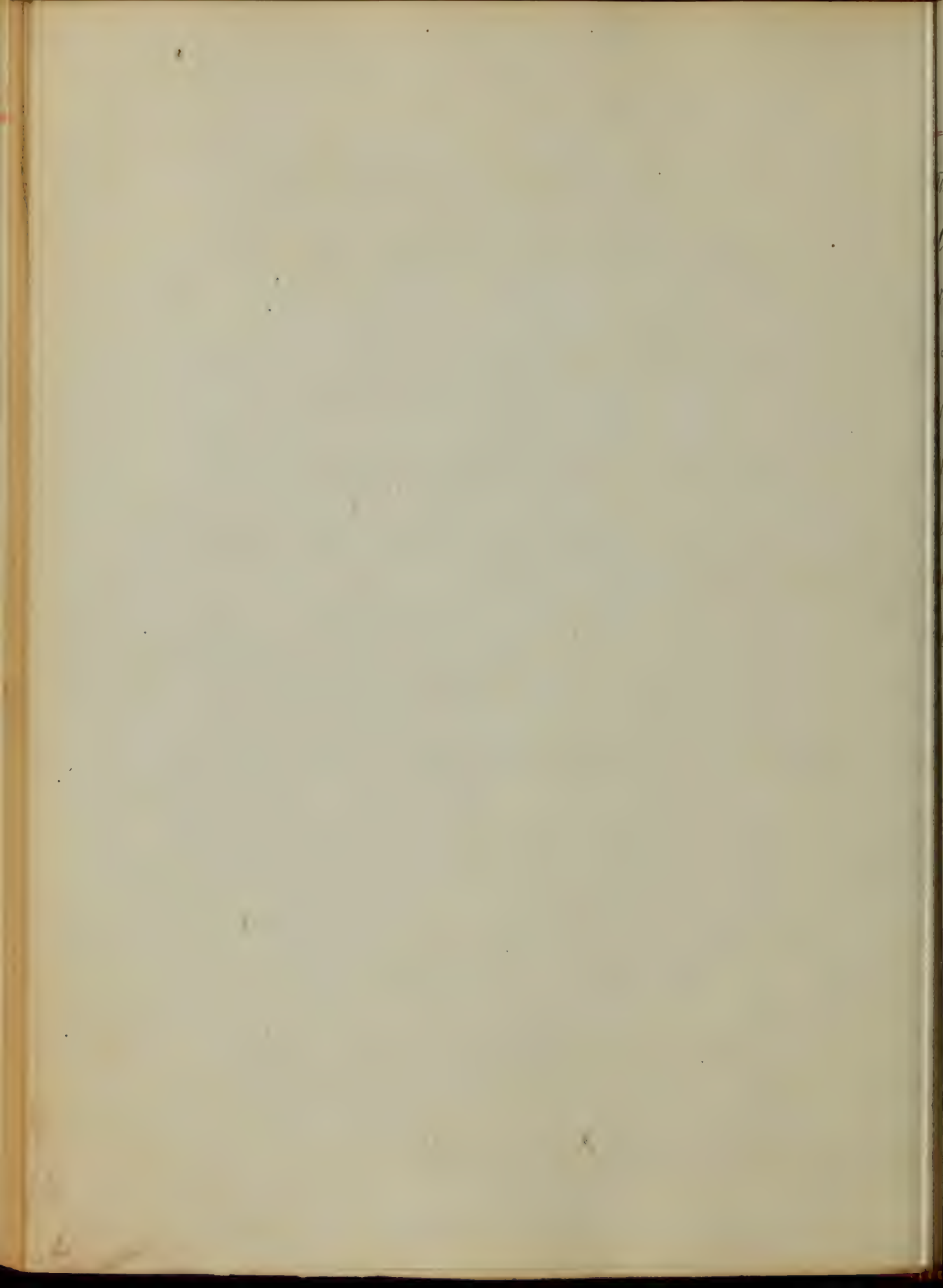


ers that under the various names of
Morbis Syriacus, Epidemic Angina,
Angina Infantum vel Suffocativa,
it was well known and described by the
older Physicians. From the same
source we learn that it prevailed in
Spain, Italy, Sicily, and other
European Countries in the 16th and 17th Cen-
turies; that it appeared in the same local-
ities about the middle of the last Century;
that it then disappeared till towards the
close of the first quarter of the present
Century; and that in the last few
years it has again spread in an Epi-
demic form over Europe, North America,
and Australia. Thus for 18 Centuries
has this fatal Pestilence been tracked,
under all the disguising and modifying



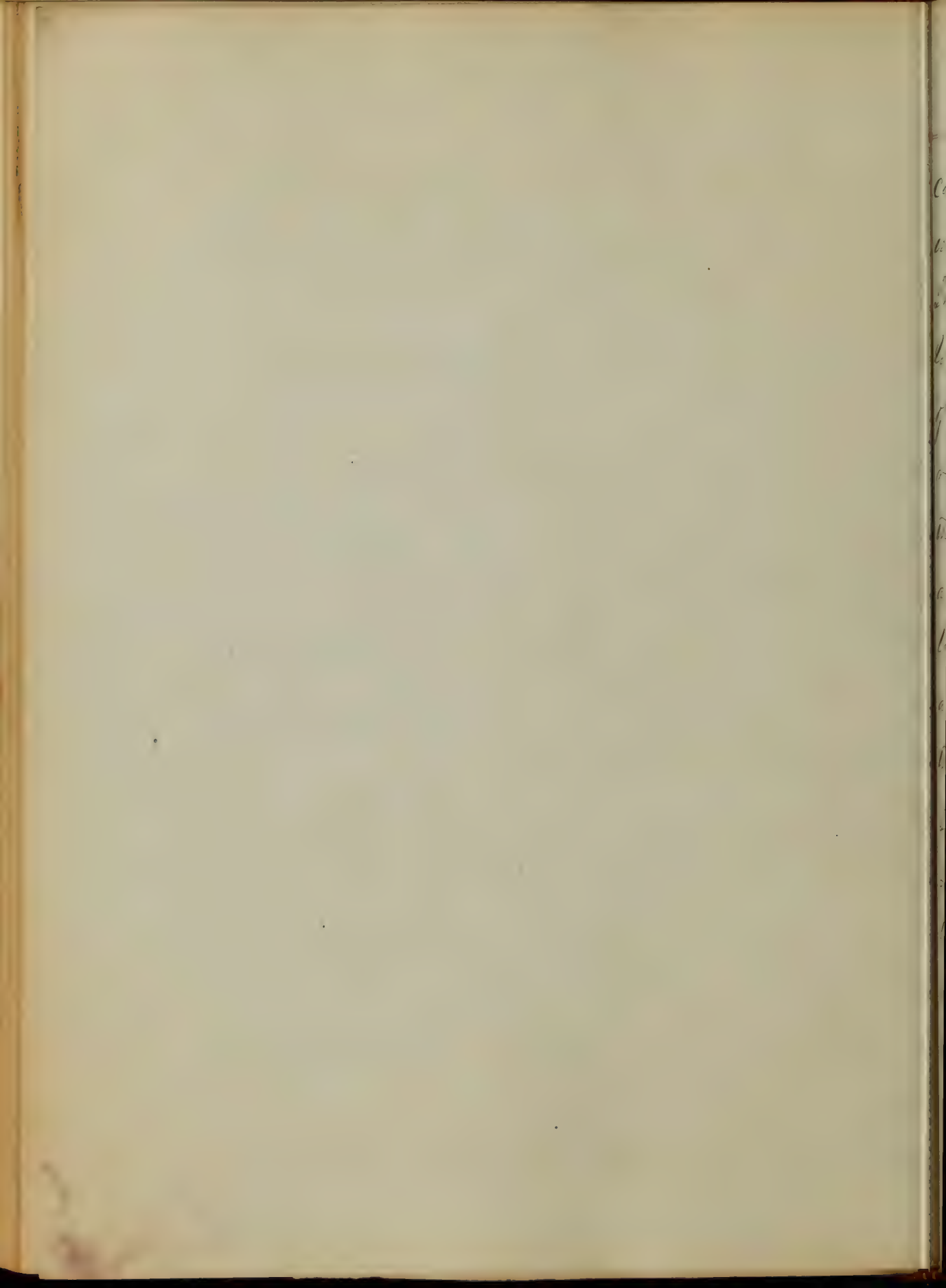
influence of Race, Locality and Season, and identified, (amid all its phases,) by its possession of one and the same pathological feature viz: the formation of a false membrane,) with the epidemics of our day, to which, in 1821, Bretonneau of France gave the name Diphtherite.

The first description of this formidable disease published in this Country was by Dr. Bard in 1771, based upon an epidemic which appeared at that time, and the views advanced by him have been universally received, even to the present day. (Meigs) Bretonneau, who wrote largely upon this disease, attached little importance to the Constitutional symptoms and upheld the view

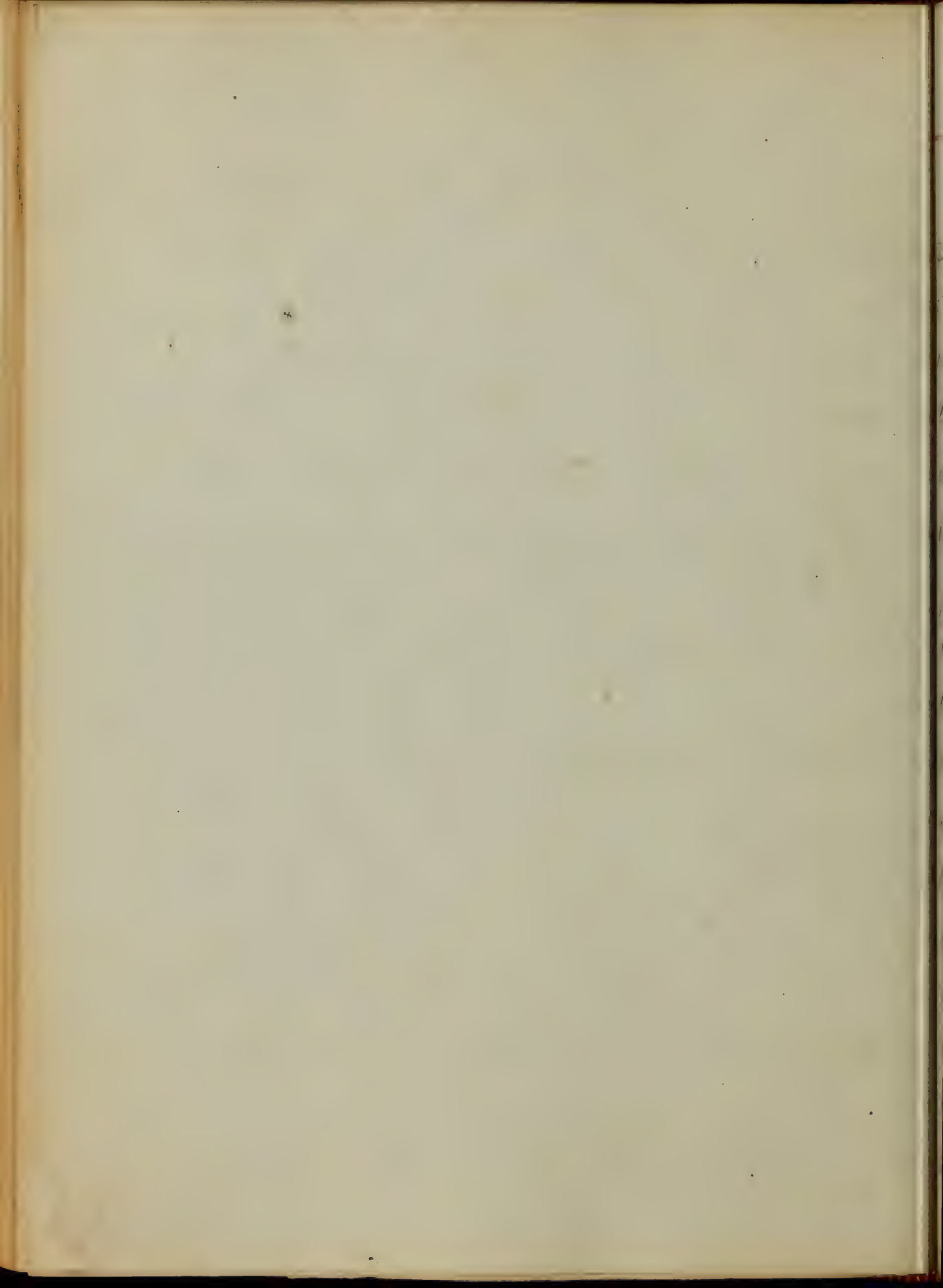


that it was essentially a local affection. Autopsies, however, have long ago exploded the fallacy of that statement. Greenhow, in his valuable treatise on Diphtheria, emphatically says that the first symptom of the disease is Fever, and that of an asthenic type. If it be altogether local in its character, how shall we account for its propagation by contagion and epidemic influence.

Autopsies made in St. Thomas' Hospital as recorded by Greenhow, show that the blood has undergone change as regards color and consistency; the kidneys were large, and intensely congested; the heart in many cases was found contracted, and its



cavities occupied by fibrinous clots, undoubtedly of anti-morsem origin. It would be exceedingly interesting to trace this disease from the days of Hippocrates and Aretæus, who recognized and described it under the title of *Ulcus Syriacum*, through all its various phases, at different times and places until its appearance here, and contrast the views of the past with those of the present; such, however, is not my attention. I only desire, as I have already stated, to give a description of the Epidemic as it first appeared in Calcutta in 1862, with an analysis of the cases and such remarks as to treatment as my information furnishes.

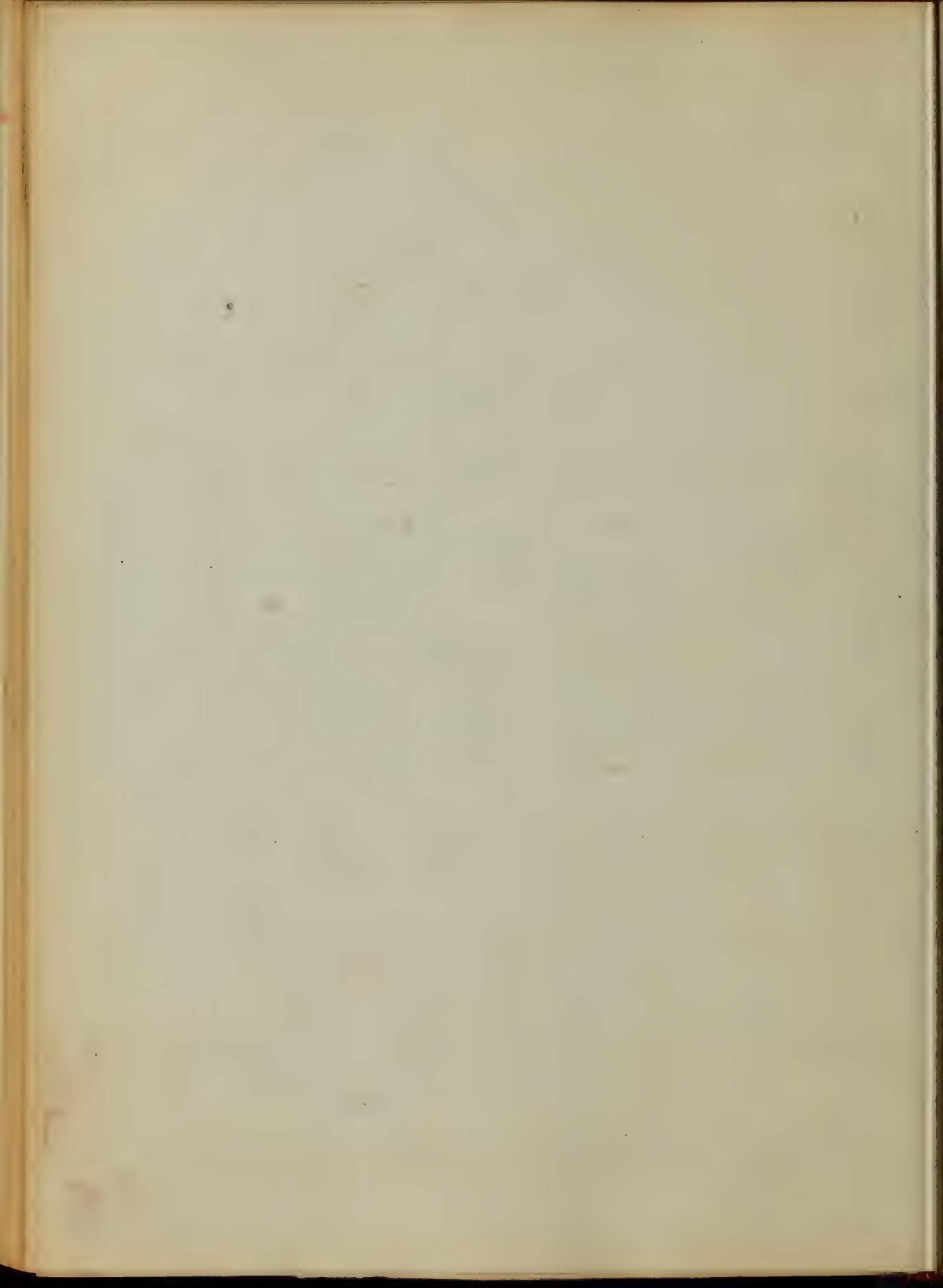


Symptoms.

Febrile Symptoms.— In 28 cases, or 56 percent the constitutional disturbance was slight, in all it bore no relation to the gravity of the attack; in 22 it was more marked, and ushered in by the languor, and malaise that usually precede a febrile attack.

Chills.— This symptom marked the formal access of but 3 cases, tho' exacerbations of the fever were not unfrequent in the first few days of the non decided cases; and always occurred when there was any increased swelling of the neck externally.

Skin.— The heat of skin, even in those presenting most febrile excitement, was very moderate, never

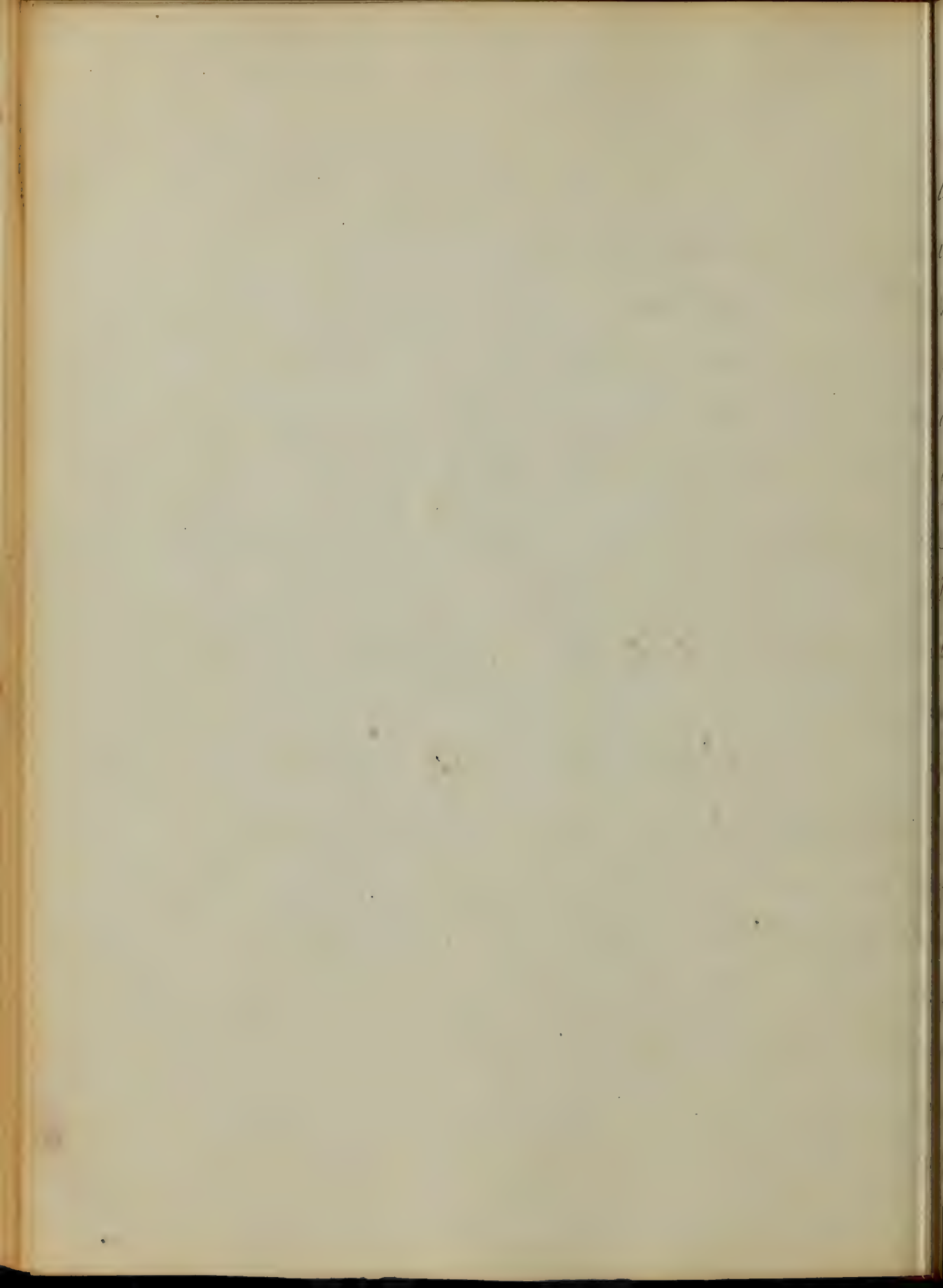


attaining the pungency of Scarlatina; and in all cases, dry.

Pulse. — The circulation in the milder cases was but little accelerated, in the severe, it ranged from 100 - 140 - but in all, it was feeble, soft, and fluctuating and often continued so for two weeks after all other evidence of the disease had subsided. In 3 cases, for 3 months after.

Thoracic Symptoms.

Respiration. The breathing was of course accelerated, *pari passu*, with the pulse, but otherwise unaffected, except when complicated with Laryngitis, when it presented the brassy inspiration, but never the anxious face, and agonizing '*besoin de respirer*', as the French

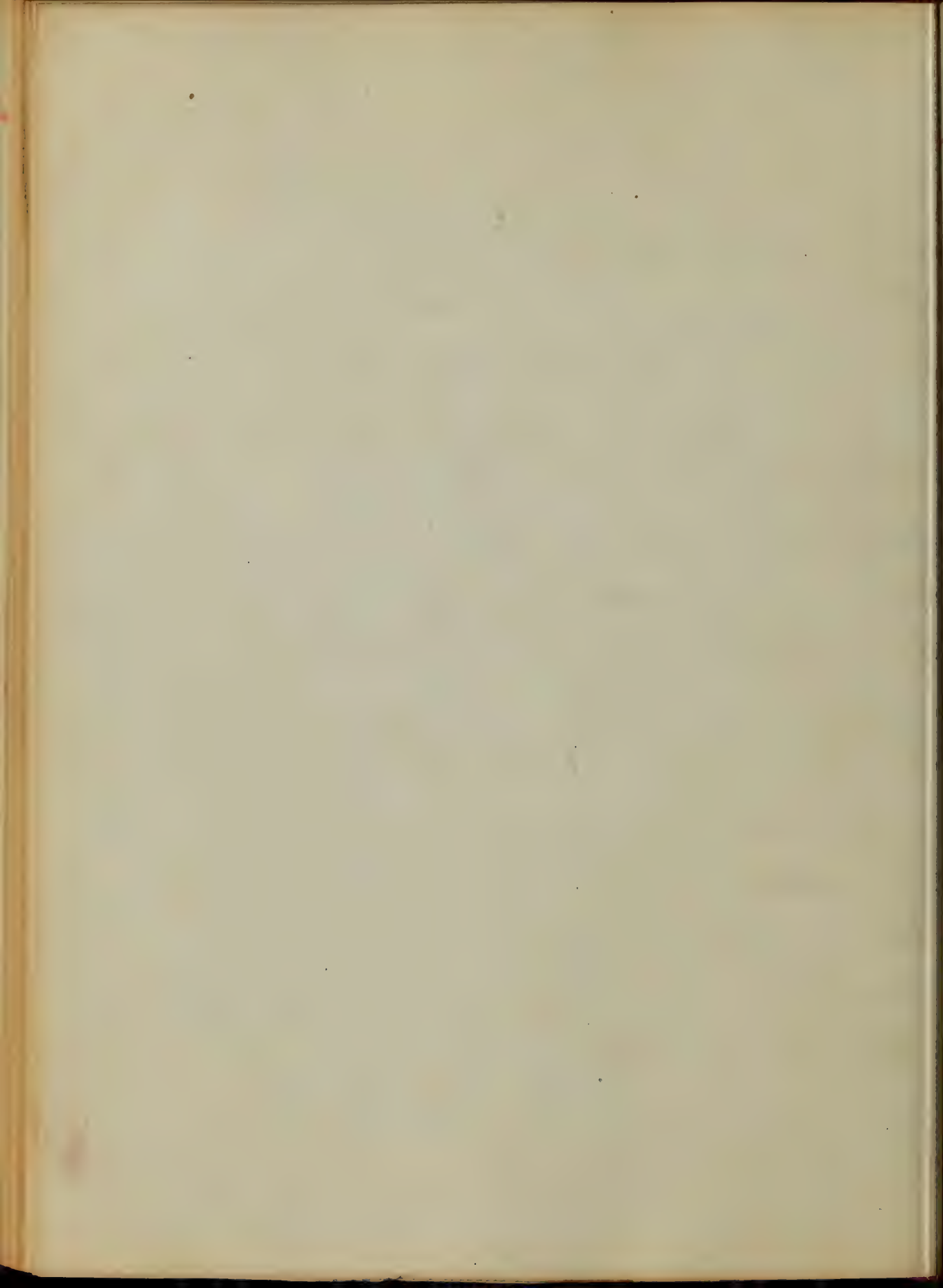


term it, - The struggle for breath, of true idiopathic Croup.

Physiognomy. - In this there was nothing noticeable except the languor and apathy that belongs to all febrile affections of equal intensity.

Mind. - It was a remarkable fact, that neither, delirium, coma, or the least confusion of intellect, existed in a single case. The mental faculties remained clear to the last instant of life; the little sufferer often passing from Earth to Heaven, with its eyes still beaming with intelligence, or with perhaps a half-uttered reply on its lips.

Tongue. - This organ was but slightly coated in mild cases - in the more severe covered with a dirty brown fur, which



frequently cleaned off in the progress of the disease, leaving it clean and red.

Appetite. This was but little impaired, only one or two cases showing any aversion to food.

Deglutition - Was easy in the majority, and never so painful as in ordinary Angina.

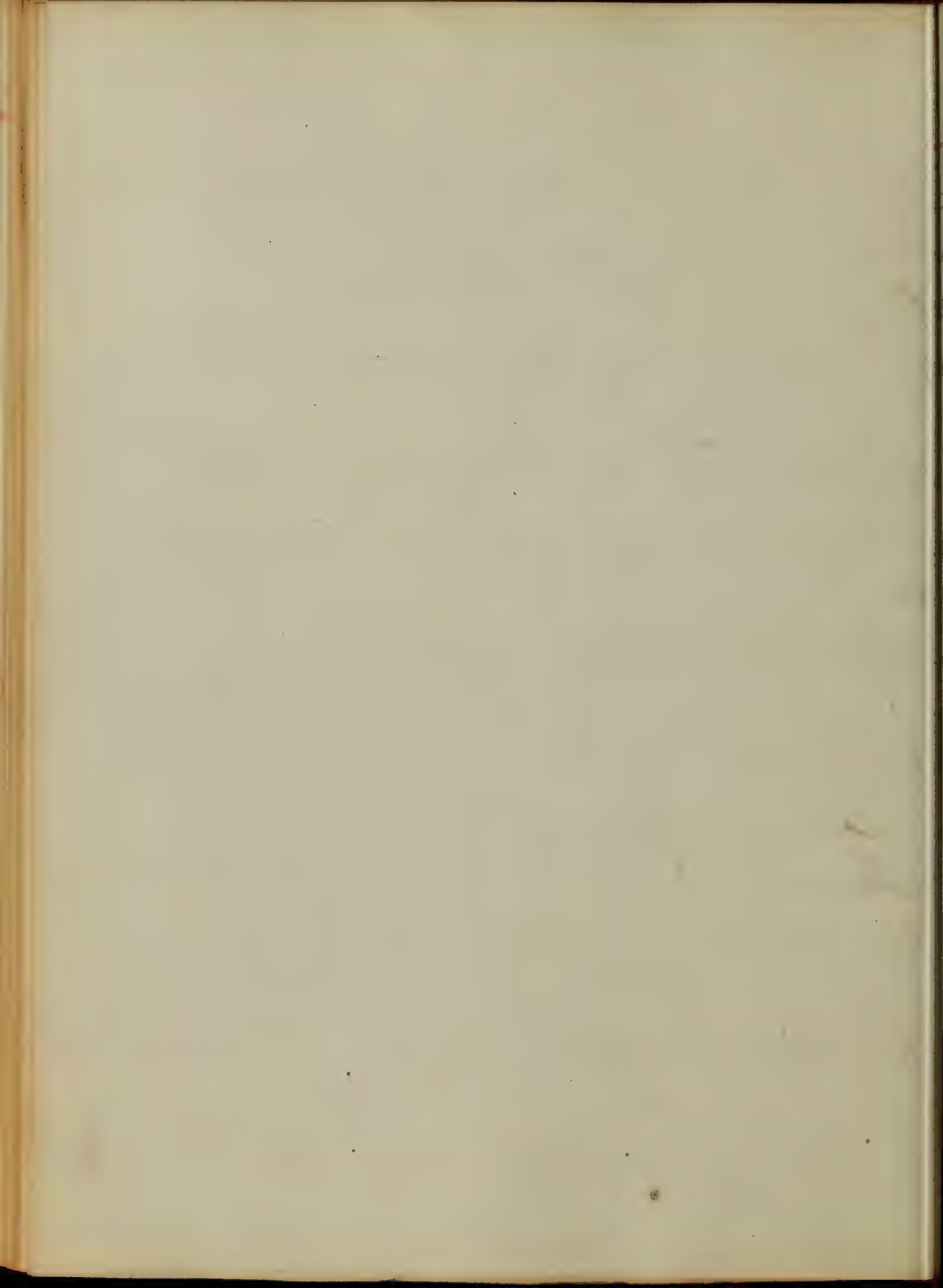
Nausea was absent in all the cases.

Bowels - Natural, responding readily to medicines.

Throat Symptoms.

Tonsils. These were inflamed and tumefied in all early in the disease.

It was but seldom, however, that both Tonsils were to be found equally affected at the same time; on the contrary, it was not rare to see one

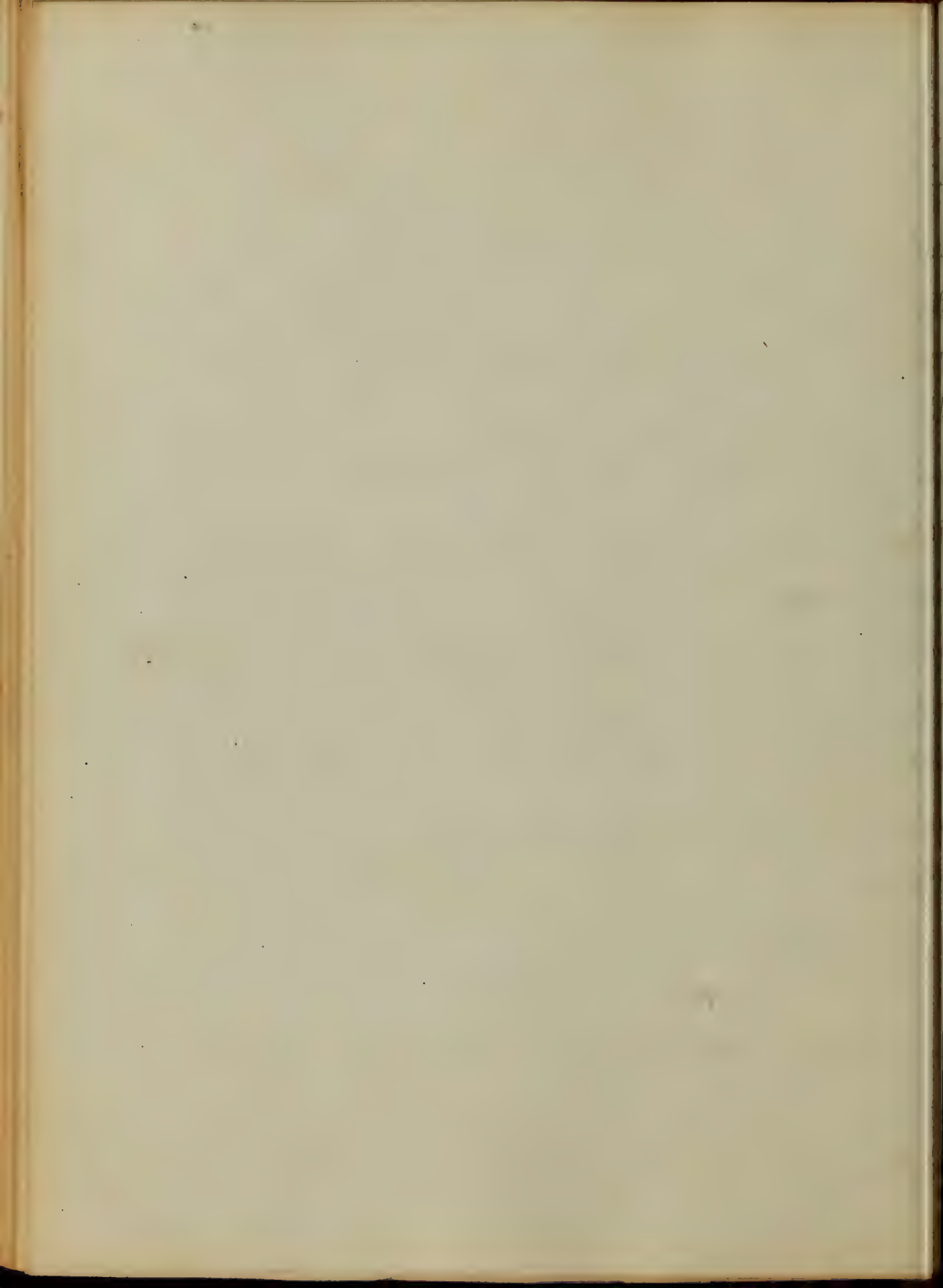


Tonsil entirely recover from the disease before the other was attacked, and, strange to say - in the majority of such cases it was the left Tonsil which was first seized. No suppuration or ulceration of these organs occurred.

The Velum Palati and Uvula were always attacked consecutively to the Tonsils - and exhibited the same degree of inflammation; the color in the mild cases being a bright scarlet, in the grave, an erysipelatous hue, deepening to a still darker shade along the free margin of the soft palate.

Exudation -

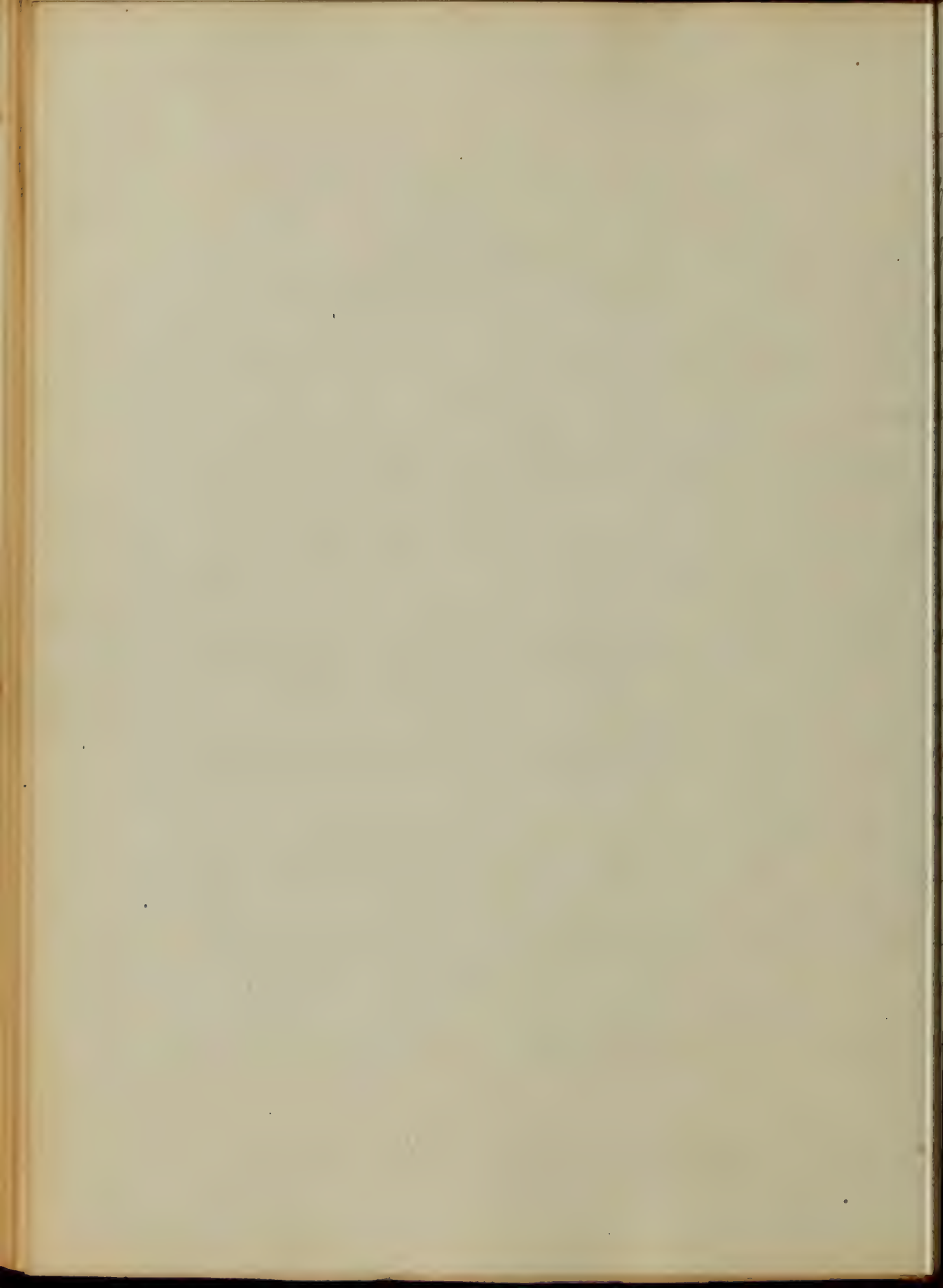
Date of Appearance. This so far as could be judged with accuracy was for the majority of cases from 24-



72 hours; in the grave cases, as early as 2 hours from the initial fever.

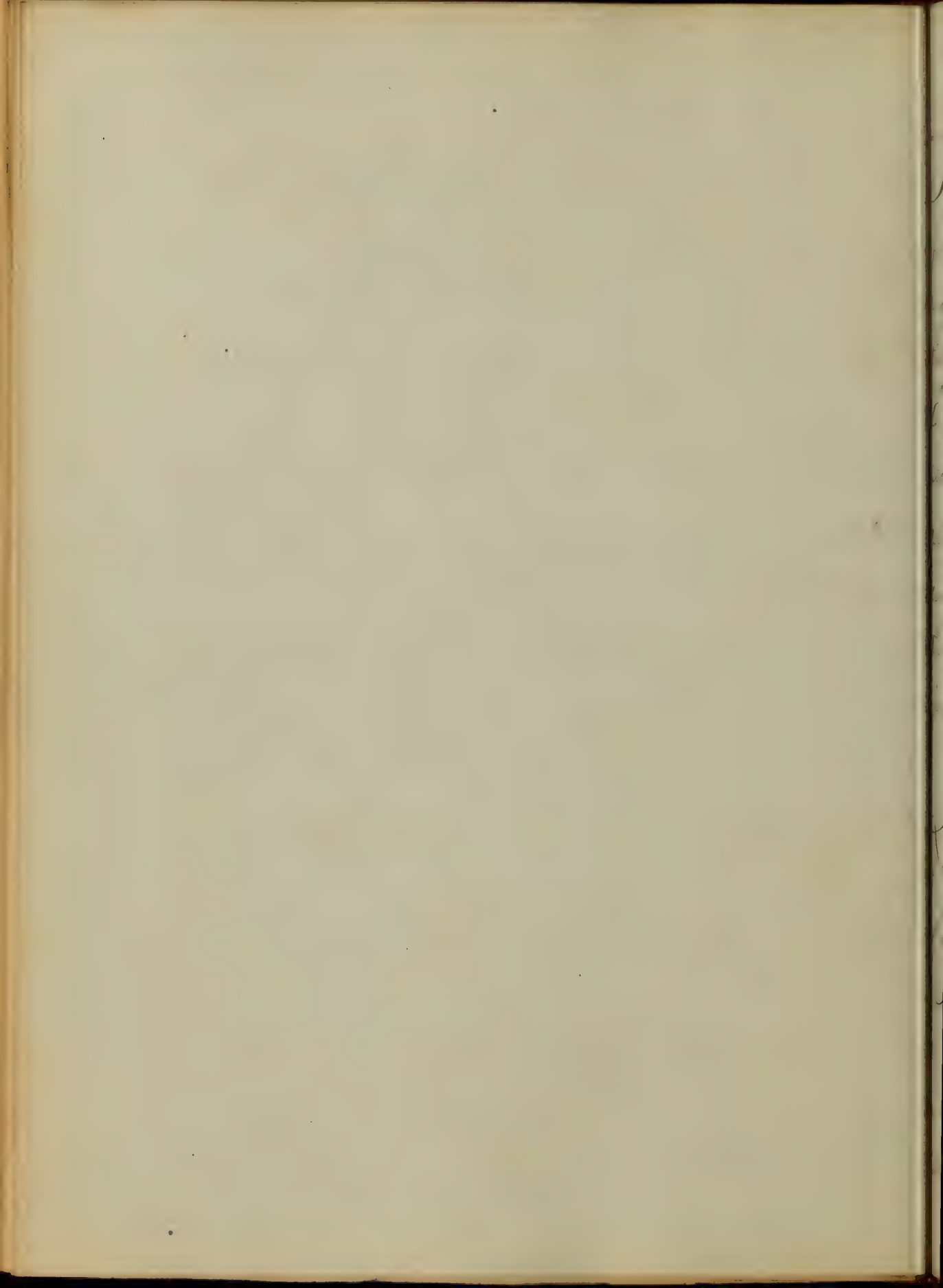
Extent and Seat. In all that recovered, the exudation was limited to circumscribed patches, varying in size from the surface of a split pea, to that of a five cent piece, and seated generally, on the Tonsils, sometimes, on the Palate, more rarely on the posterior wall of the Pharynx. In all the fatal cases - but one, the exudation was diffused in a continuous sheet over the entire Fauces, Tonsils, Uvula, Soft Palate, roof of the mouth, and Pharynx, giving the parts the appearance of being lined with semi-transparent horn or isiv-glass

Color and Consistence. When first



spread, it gave the surface it covered the appearance of having been painted with a thin coat of soft glue; but by the additions of successive layers, it assumed an opaque, dirty white, or ash-color, from one to three lines thick, and of the consistence and elasticity of wet kid. It adhered to the mucous membrane on which it was poured out, with great tenacity, and when removed, left the surface beneath, like one recently denuded of its cuticle by a blister-bow and bloody.

Peton.— This was strongly marked in three fatal cases only, and was evidently due to sloughing of the false membrane, and the decomposition of the blood that bathed them.



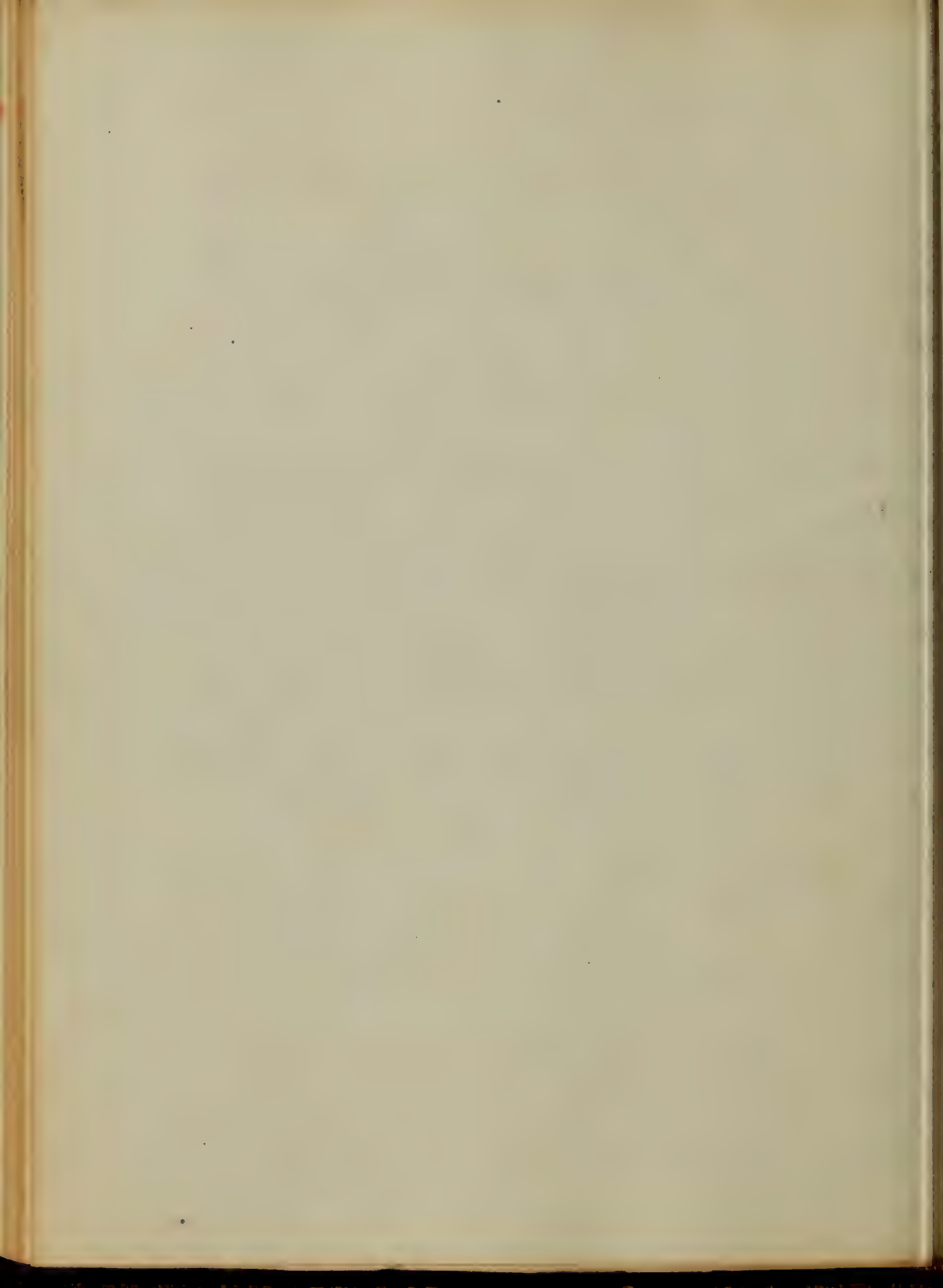
Hæmorrhage - occurred in three of the fatal cases, commencing with the sloughing of the membranes, and persisting till death.

External Cervical Swelling - This seemed to be due to infiltration of the cellular tissue, rather than glandular enlargement; and its extent, measured the severity of the case; all having it prominently, died.

Cause -

Locality. The 1st case occurred at F.; the remainder within a radius of three miles.

Season. In July occurred one case; - in Aug. 2; - Sept. 17; - Oct. 21; Nov. 6; and Dec. 3 - of fatal cases 6 died in Sept, in July.



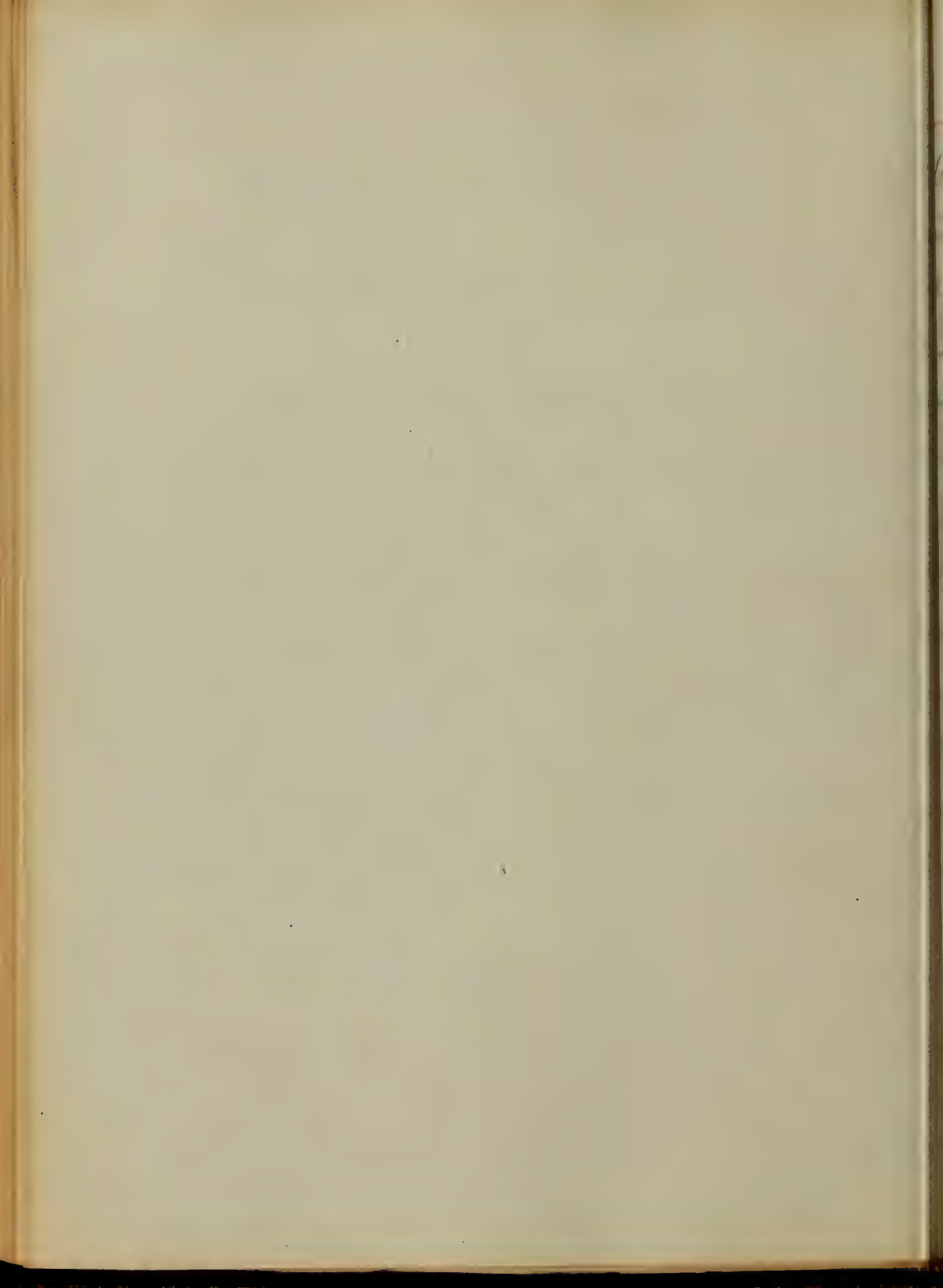
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External Cervical Swelling - This seemed to be due to infiltration of the cellular tissue, rather than glandular enlargement; and its extent, measured the severity of the case; all having it prominently, died.

Cause -

Locality. - The 1st case occurred at D. H.; the remainder within a radius of three miles.

Season. - In July occurred one case; - in Aug. 2; - Sept. 17; - Oct. 21; Nov. 6; and in Dec. 3 - of fatal cases 6 died in Sept, in July.



Age. The minimum was one year; maximum, 38; average of all attacked, 5 years; of fatal cases 9 years.

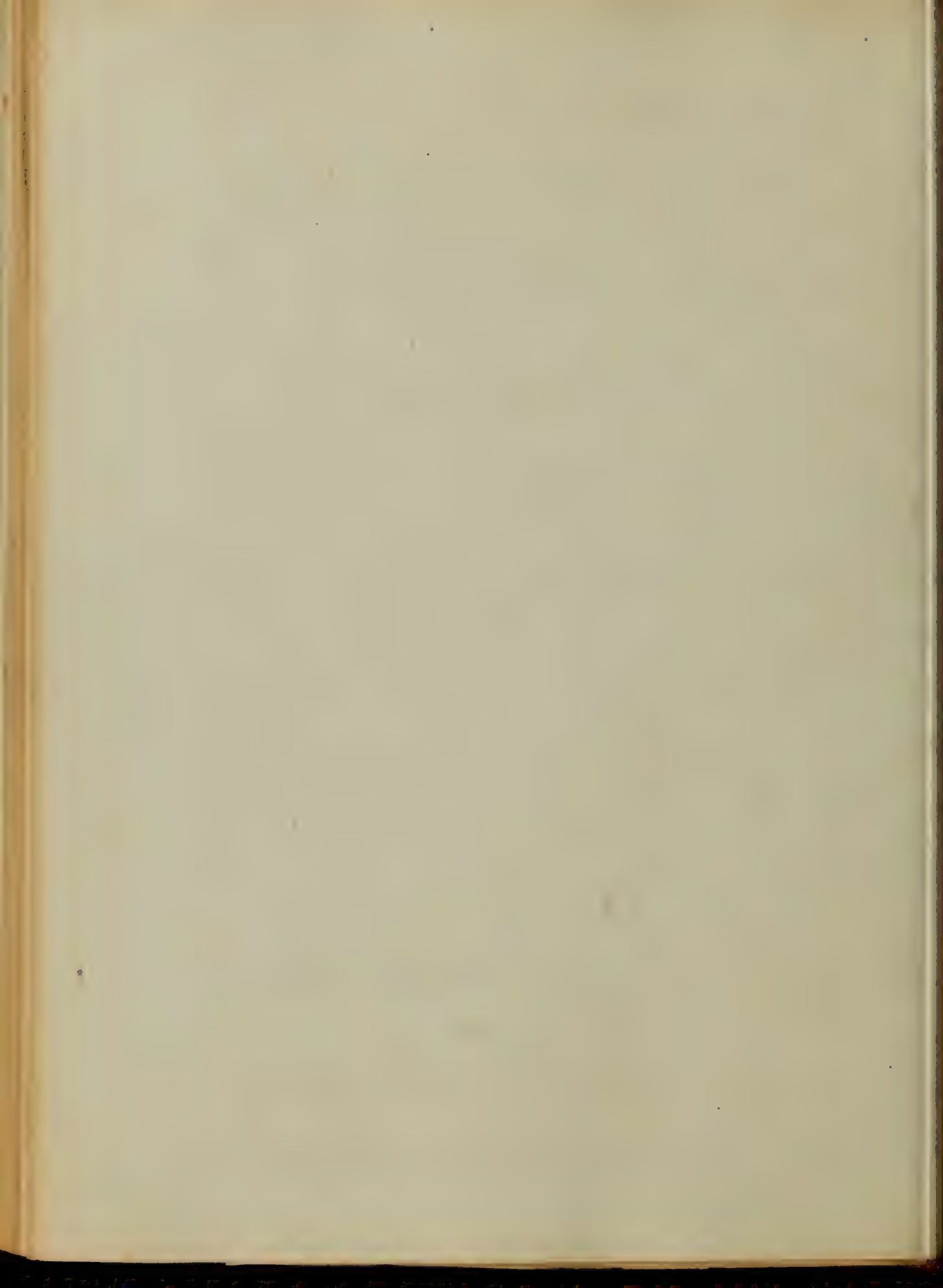
Sex - 11, or 22 per cent of those attacked, were females, of whom 5 died.

Race - 21, or 42 per cent were Blacks.

Relapse - occurred in but one case.

Duration - The average in favorable cases was two weeks - tho' in a few that recovered, Convalescence was not established in less than three months. The average duration of fatal cases was 7 days.

Sequelae - General muscular Paralysis, occurred in a child of three years, in which the exudation and constitutional disturbance otherwise was very slight. Functional derangement

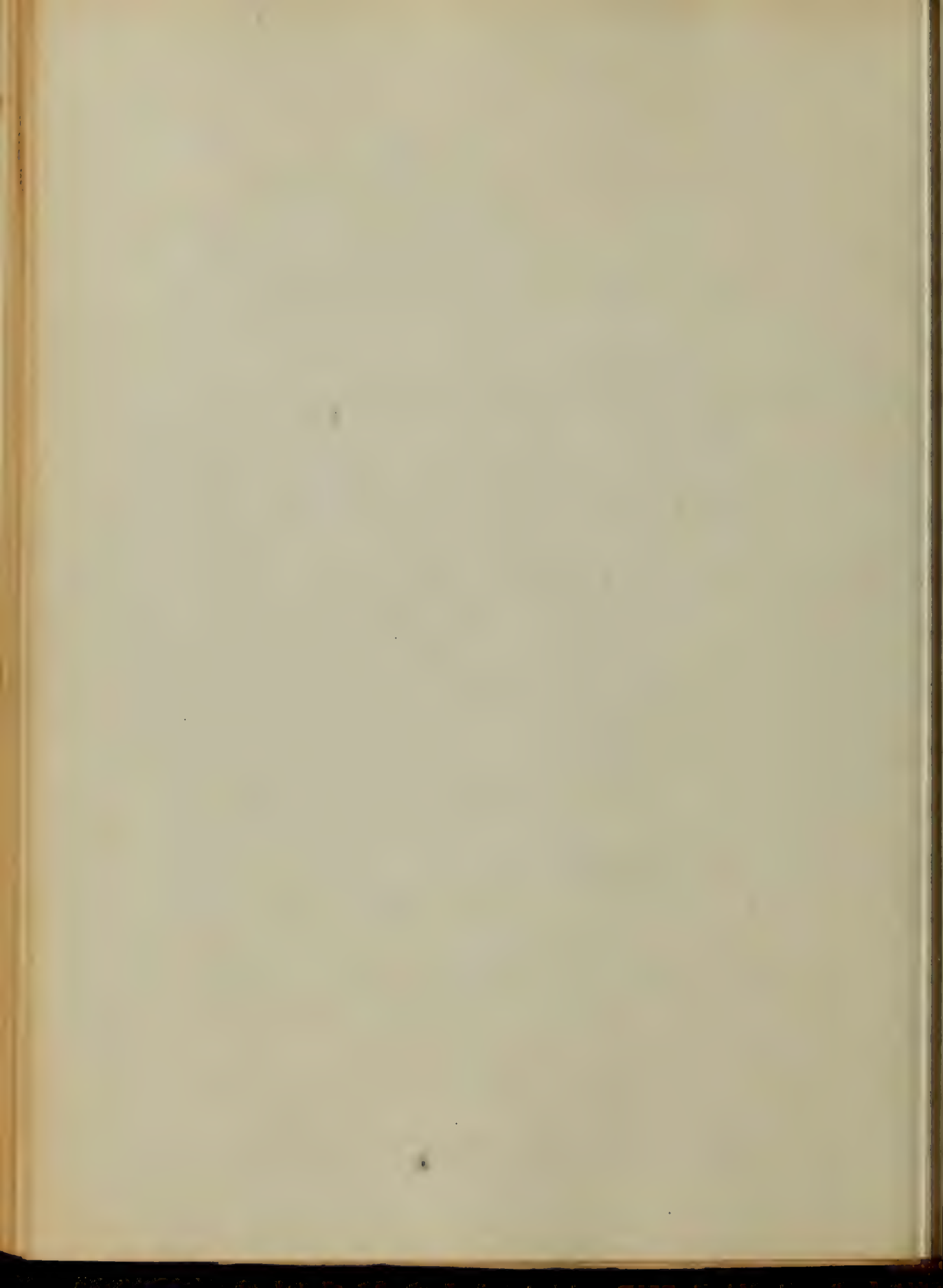


of vision, in two cases, and partial paralysis of the muscles of deglutition, with alteration of the voice, in one; all these finally recovered.

Mortality. Of the whole number 7, 2/4 per cent, died - all of whom were whites.

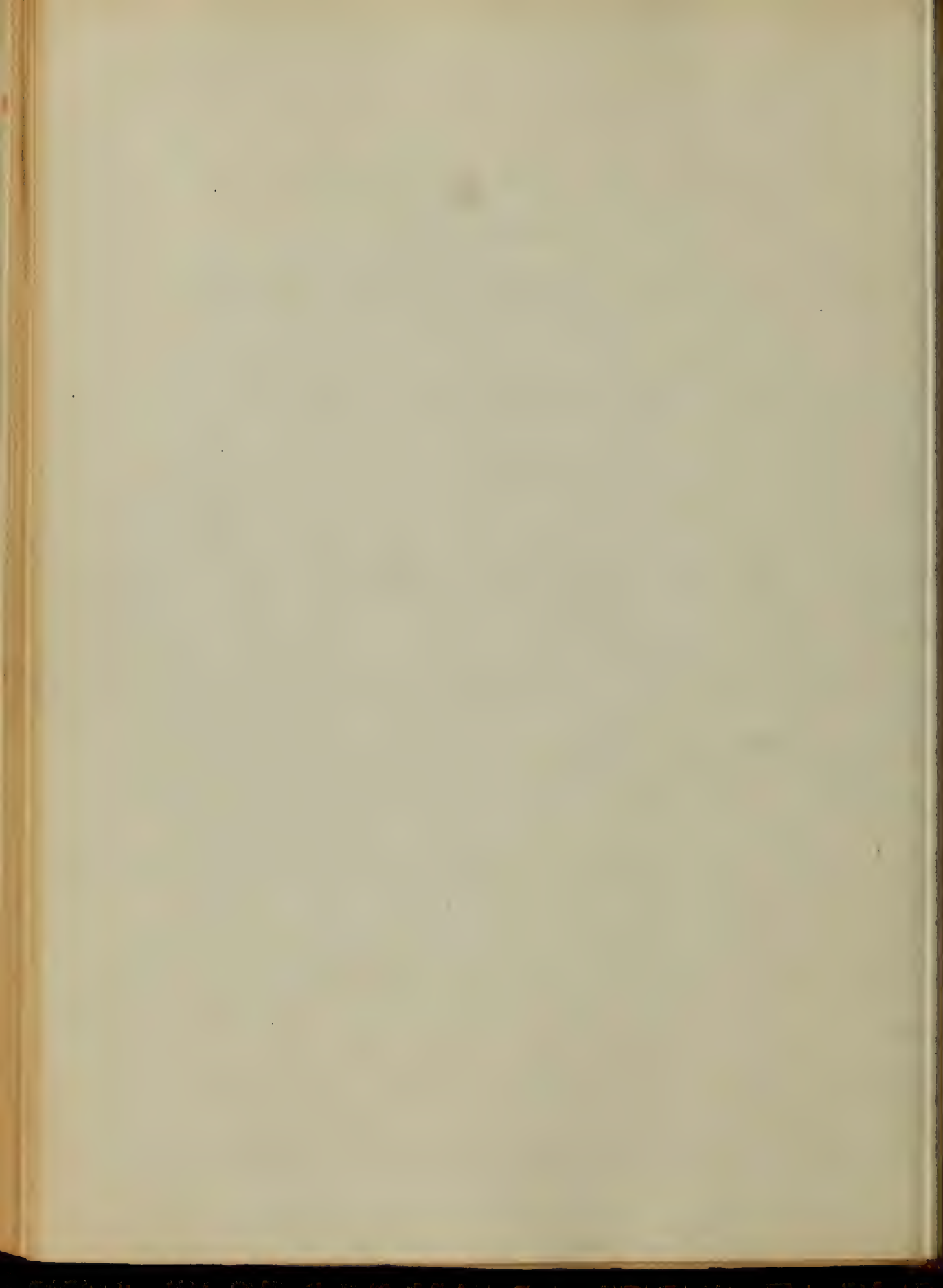
The mode of death was in three cases by asthenia; in two by strangulation, from the mechanical occlusion of the glottis by loose membrane and effused blood; and in two, by both asthenia, and asphyxia, combined, owing to the extension of the exudation to the glottis.

Is it contagious? Notes made at the time furnish an affirmative answer. They show that it is communicable both indirectly - by an infected atmosphere and directly, from contact with the

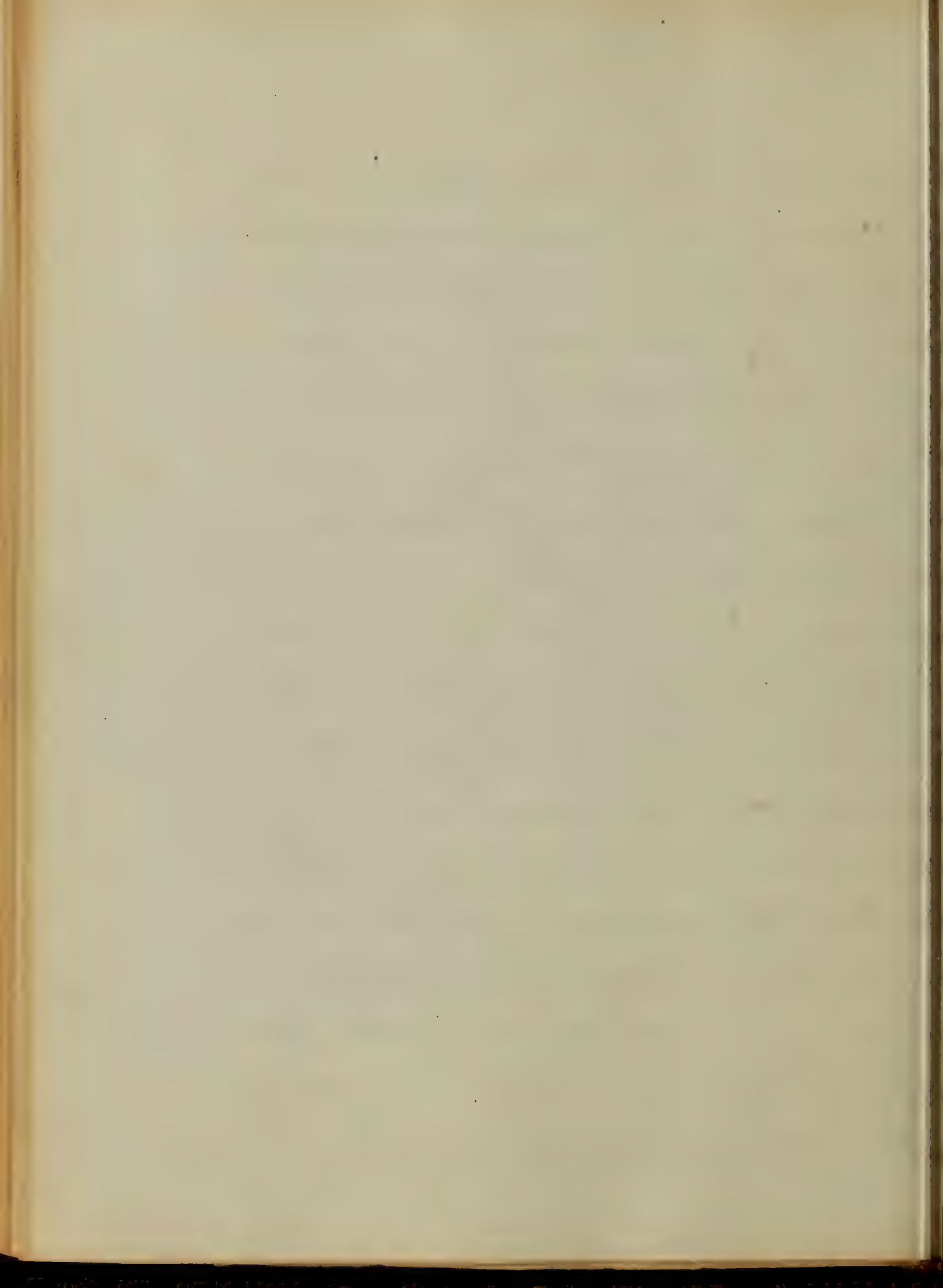


exertions of the sick. For instance a child
 residing at P. F., and still suffering from
 the disease visited a relative 7 miles distant.
 The visitor sleeps with one of the relations
 children, & this child three days after is
 attacked with the disease and dies,
 thus occurred the first case in my neigh-
 borhood. Again, a Lady in full health
 visits a child sick ^{with} of Diphtheria 10 miles
 off; returns home and in a week is herself
 attacked. All the early cases were thus trace-
 able from house to house, and the members
 of each were attacked in the order of their
 exposure to those affected.

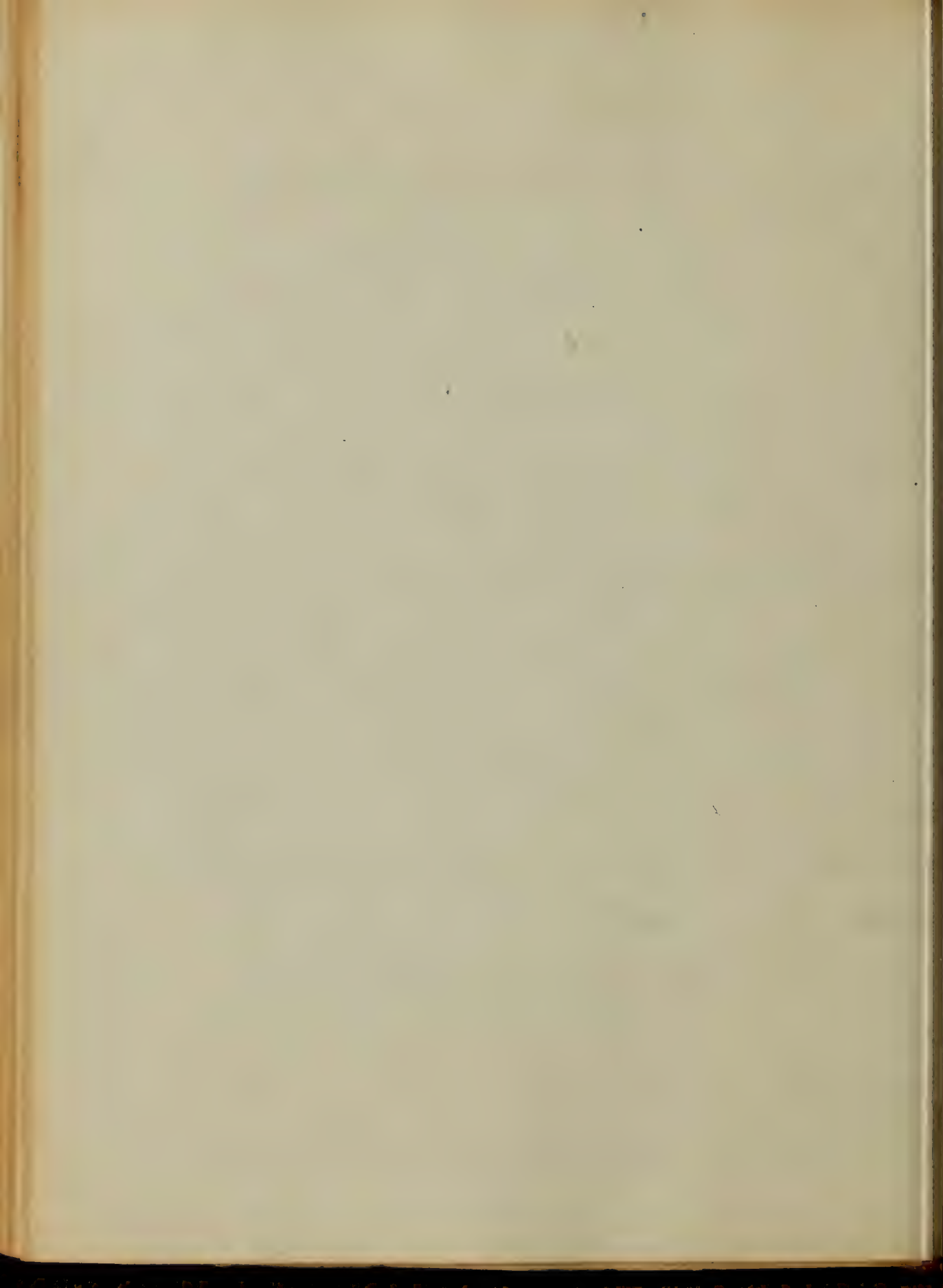
In proof of its inoculability, Dr Quinan
 cites this singular instance; ^{as occurring in his own family.} He says,
 finding himself unable to syringe the
 ears from without, effectually, he determined



to inject them from the posterior nares,
 and for this purpose adjusted a catheter
 to the nozzle of a syringe. To test its appli-
 cation he tried the instrument on his eldest
 Son, who was perfectly well at the time,
 In withdrawing the instrument from
 his throat, the point of the catheter, scratched
 the palate slightly. The morning of the
 following day, the ^{son} complained of sore throat
 and upon examining it found a distinctly
 formed diphtheritic deposit on the scratched
 palate - the false membrane hanging
 down in a loose strand a quarter of an
 inch long; the part was then freely cauterized
 and he had no other evidence of the in-
 fection. - Is it identical with Scarlatina?
 The evidence furnishes a negative answer.
 While there are some points of resemblance



lending some color to the idea that they may both be owing to some modification of the same specific cause - a resemblance to be found in the admitted fact that both are Blood-Diseases, with a tendency to localize themselves on the mucous membrane of the throat, yet I think no one at all familiar with the two diseases will fail to admit their essential difference. Many of the cases occurred in those who had previously been attacked with Scarlatina; it is impossible to suppose that these were all second attacks of the latter disease which is of very rare occurrence. Again - two of the cases (my now Brother & Sister) three days after the diphtheritic exudation was completely formed, were attacked with Scarlatina,



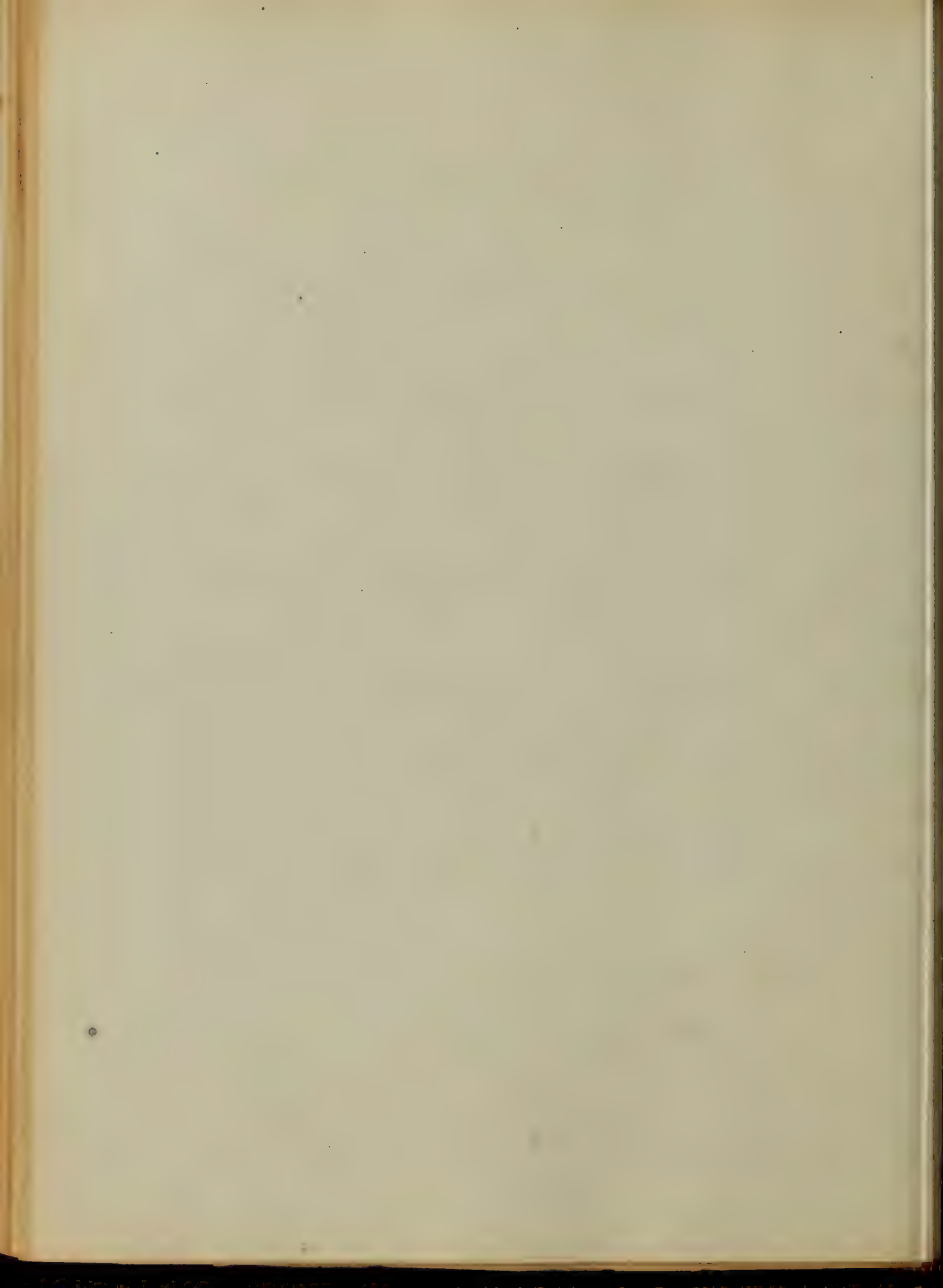
upon the occurrence of which, the diphtheritic patches in the throat, rapidly resolved and disappeared.

The Scarlet Fever pursued its course, but when it subsided, the false membranes of Diphtheria again appeared in the throat and the disease resumed its sway. From these cases are conclusive of the proximity of the two diseases.

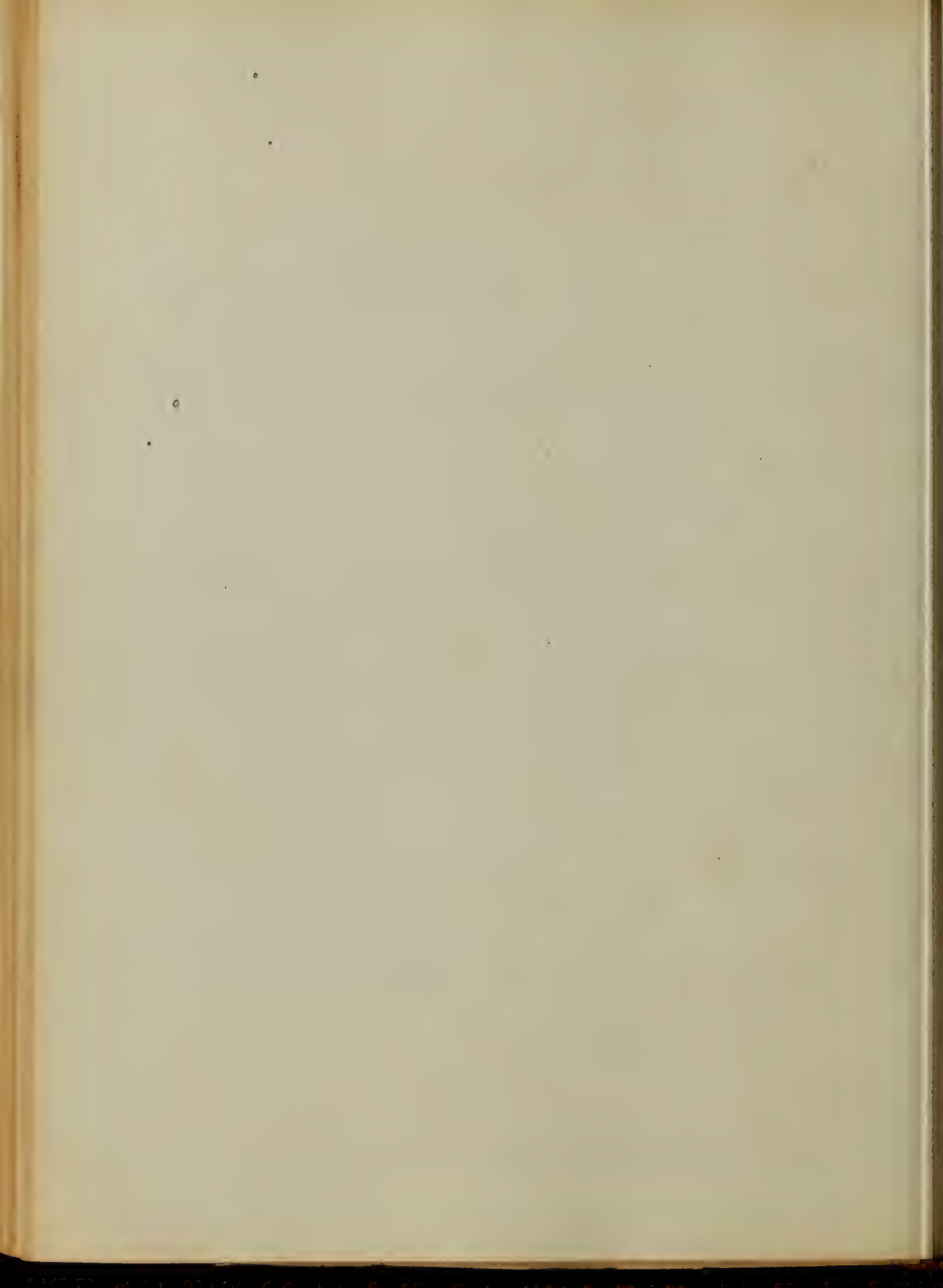
Albuminuria - In all the cases in which the condition of the urine was examined, it was found to be more or less albuminous - in one fatal case excessively so.

Diagnosis.

It was only during the forming stage and before the exudation made its appearance that the diagnosis offered



any difficulty. But whenever I
 Dr. Quina, found the throat slightly
 swollen externally, with unequal swell-
 ling of the Tonsils, I looked upon the
 case as Diphtheria, & was seldom de-
 ceived. From True Croup, the Laryngeal
 form was readily distinguished, by the
 history of the case, the Croupal symptoms
 being consecutive to those of the Fauces.
 From Scarlatina it was distinguished
 by the absence of Rash, and still more,
 the freedom from all brain-symptoms.
 The Dr. cites a case as occurring in his
 own family, which ^{fairly} illustrates the course
 of this terrible scourge, & its fatal tendency
 under the best directed treatment than
 any thing I have heretofore seen.
 His youngest Daughter, aet. 12 years

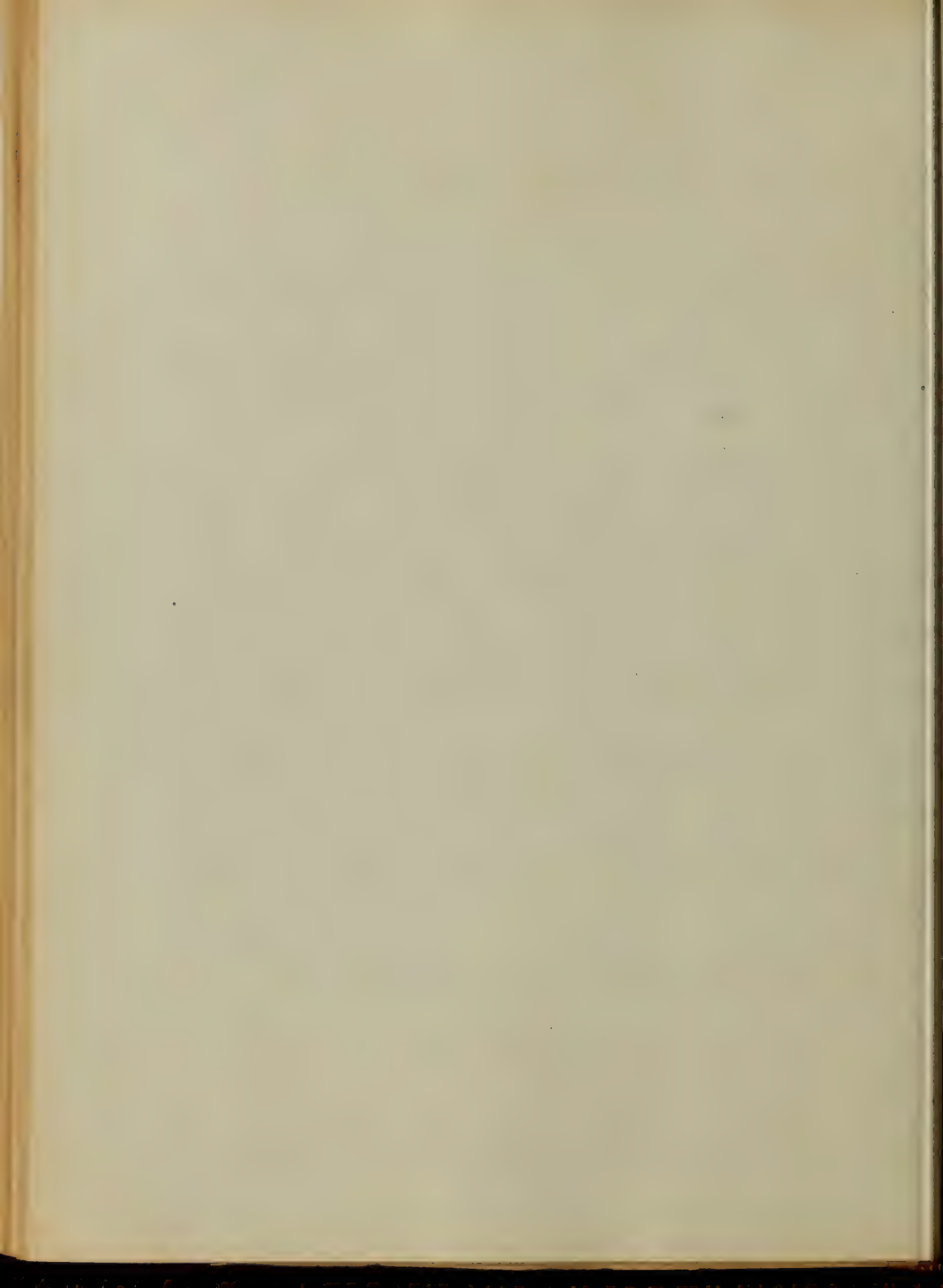


Saturday Sept. 27th, for the 1st time exhibits languor, malaise, impaired appetite, flushed face, and accelerated pulse - Says "she feels badly but her throat is not sore", has no apparent difficulty in swallowing. Inspection of the fauces reveals slight inflammation of the soft palate and tumefaction of the Tonsils.

Sept. 28th. Considerable febrile excitement, skin hot and dry, pulse 120 but soft.

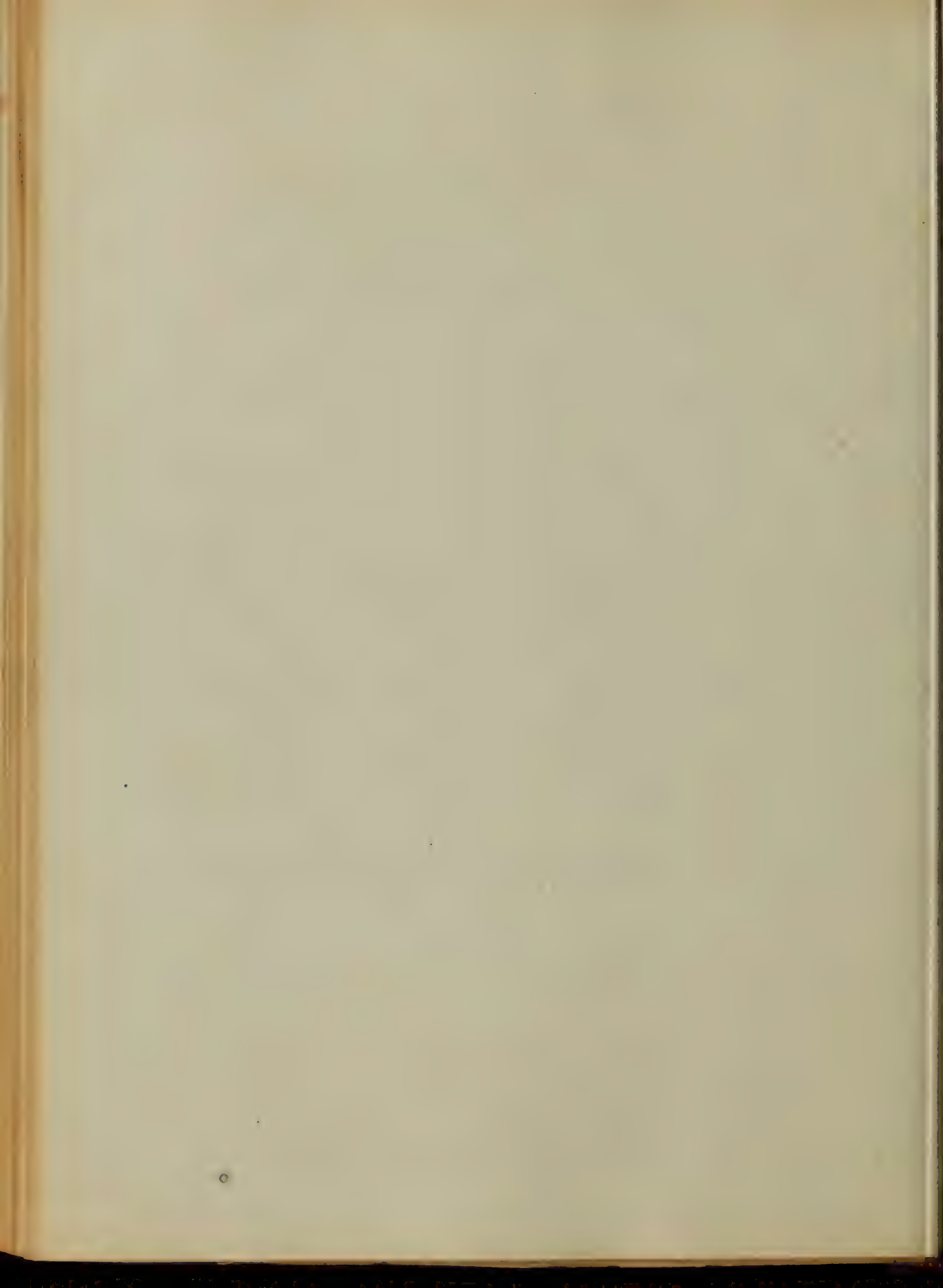
Inflammation of the fauces of a claret color deepest along the free margin of the soft palate, left Tonsil more tumid, but looking paler than yesterday, owing perhaps to its being coated with a thin semi-transparent glaucous deposit. deglutition still easy, mind clear.

29th. General symptoms the same;



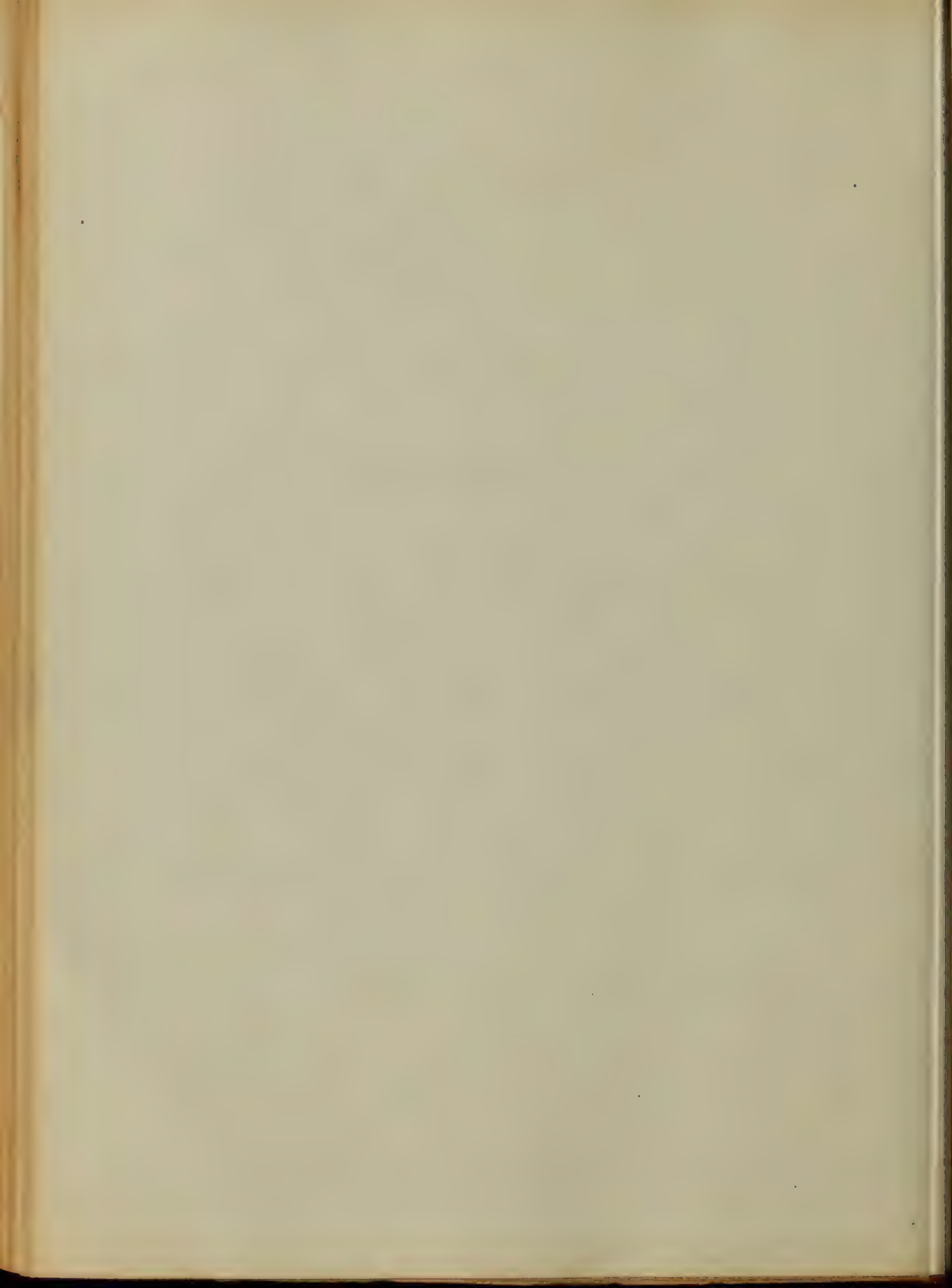
Cellular tissue of the left side of the neck externally swollen, left Tonsil more tumid, and covered for the space of a 3 cent piece with an opaque, dirty-yellow deposit. — 30th, Pyrexia abated, pulse 100, Mind clear, some dysphagia, voice husky, tumefaction of neck externally, greatly increased extending from the Chin and angle of the jaw to the Clavicle, The swelling is hard and resisting but not painful to pressure; fauces internally inflamed, Exudation completely covers left Tonsil, & is extending to the right Tonsil & Uvula.

Oct. 1st, Symptoms same, save the occurrence of an exacerbation of fever about 10 O'clock — coinciding with tumefaction of the right side of neck.



Exudation on the left Tonsil is black, dense, that on the right Tonsil, soft-palate & Uvula, is still of soft consistence and dirty-yellow hue. dysphagia greater, mind unaffected.

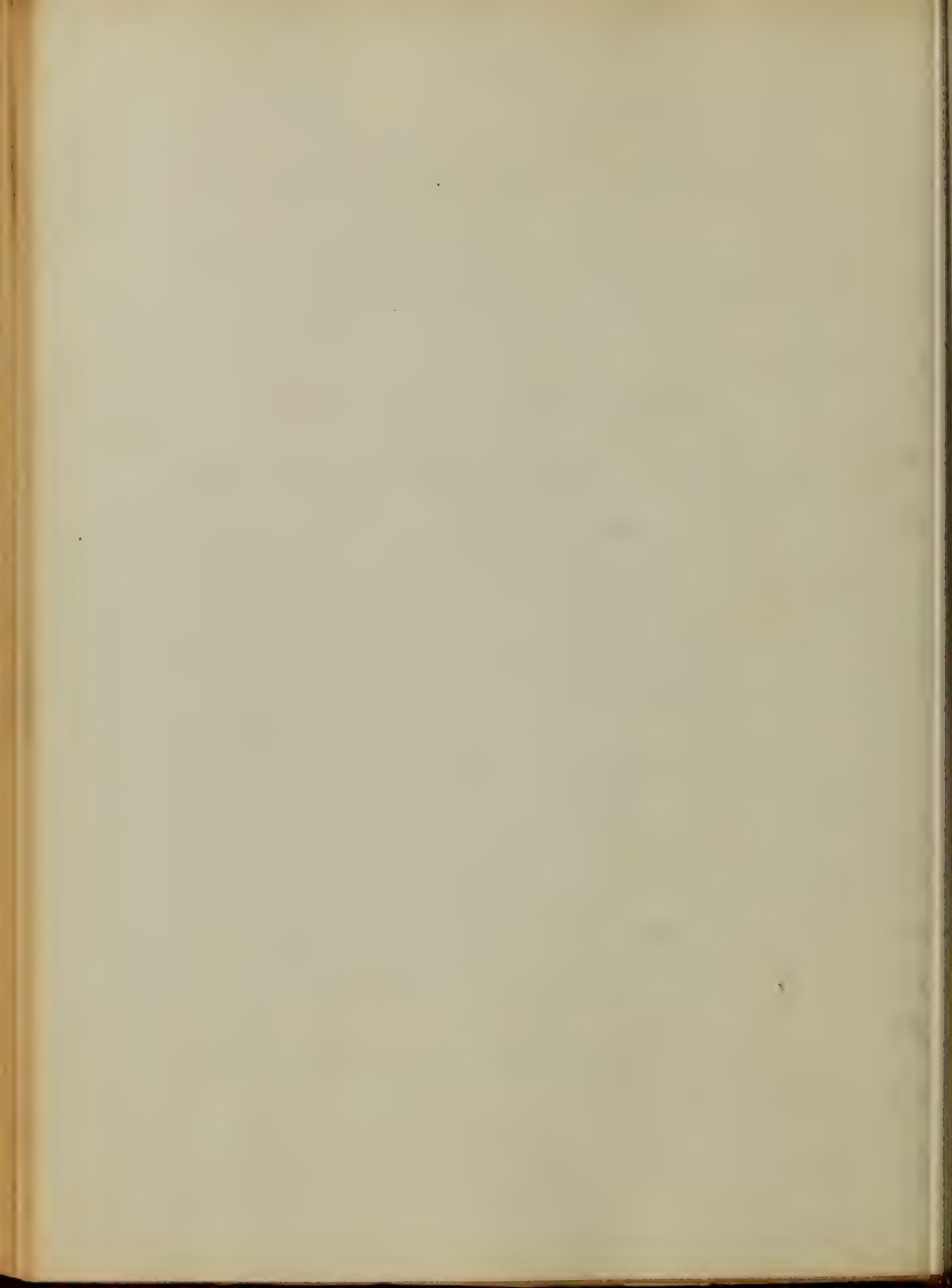
Oct. 2nd. Pulse 130 soft and feeble, deglutition very difficult and painful, fluids when she attempts to drink, regurgitate through the nose, right side of neck more swollen, left side unabated, exudation on left Tonsil sloughing, and expelled in shreds mixed with dark bloody excretion, breath fetid, complains of dyspnoea and gastric pain. Oct. 3^d. Pulse 140, face pale and for the first time looks anxious, these symptoms continued until early the following morning while attempting to clear her



throat of the loose buds which had then collected, the air passages were entirely closed and she died of strangulation.

Treatment.

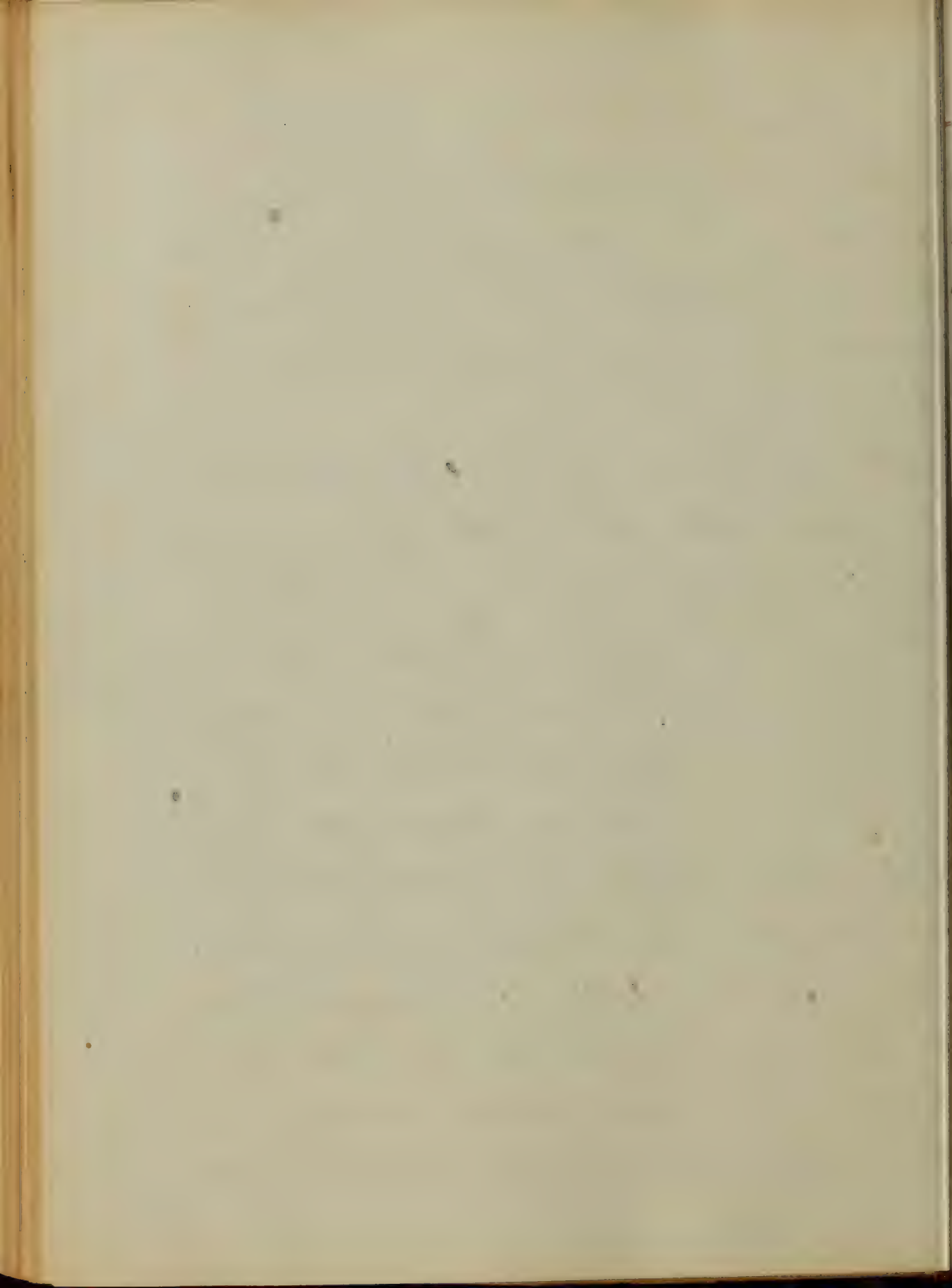
As soon as the diphtheritic exudation was seen, the parts were touched with a strong solution of Nitrate of Silver; at the same time the system was strengthened as much as possible by the internal administration of Murriated Tincture of Iron, and concentrated liquid food, in order that it might the better combat the inroads of the diphtheritic virus. Chlorate of Potash being freely administered both internally & also as a gargle.



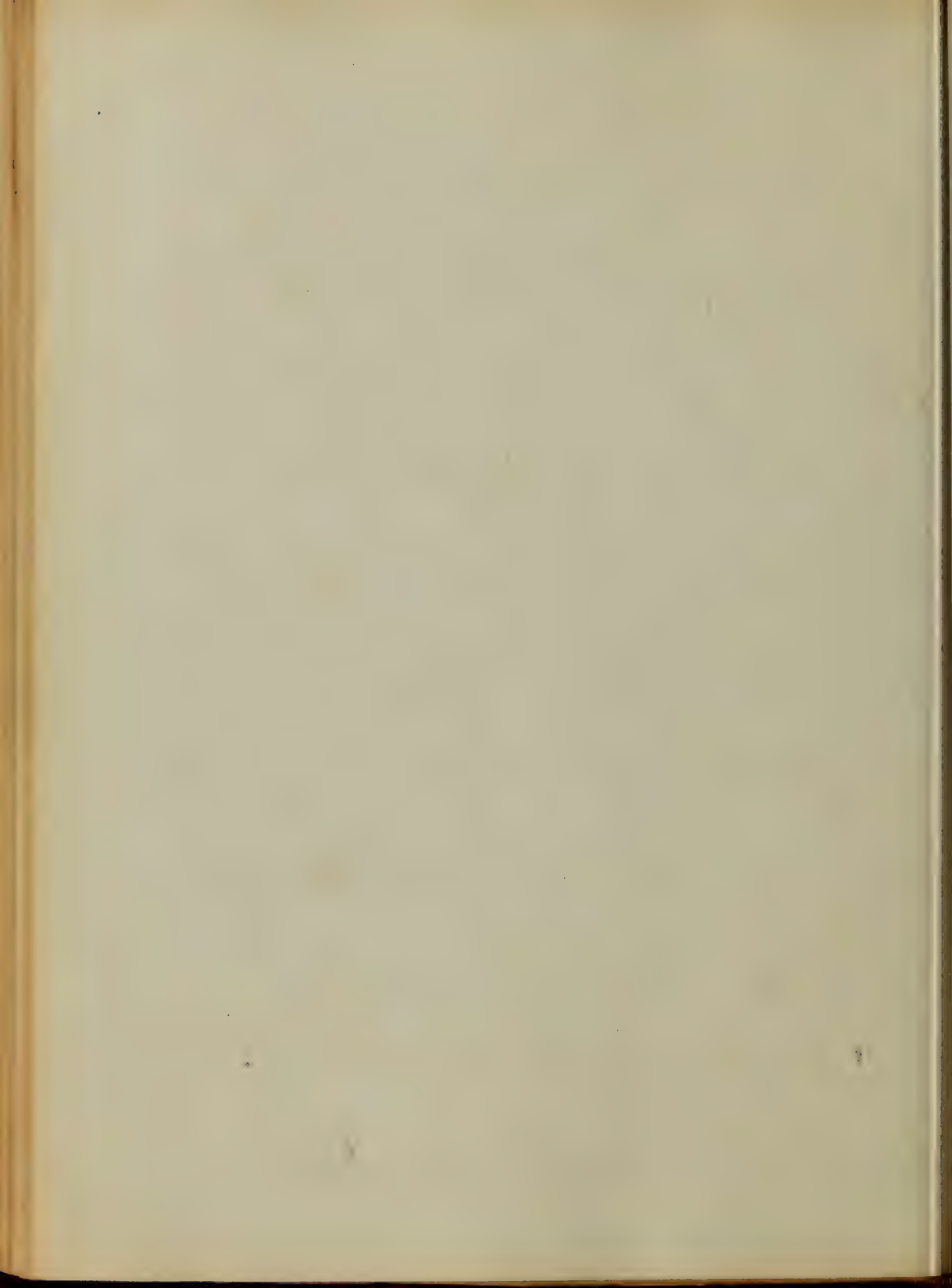
This line of treatment in a majority of cases proved successful. The symptoms of Dysphentria are prominent and require separate and distinct treatment.

The first symptom that meets the eye of the attendant is the flushed face and rapid pulse - known as Fever.

This requires special treatment, such as the free administration of refrigerants and diaphoretics; the nervous system must be quieted and the situation of the patient made as comfortable as possible. Next we find a grayish-white exudation cropping out upon the Tonsils, Soft Palate, and Pharynx in little rounded patches not larger than a pin's point, these small points



rapidly becoming larger, soon cover the
 Pharynx, Tonsils and not unfrequently
 invade the Larynx and Nares. This con-
 dition demands bold and persistent
 treatment; the parts thus affected must
 be thoroughly brushed with strong
 cauterizing agents, hoping by this means
 to stay the progress of the exudation,
 destroy its vitality, produce contrac-
 tion of its substance, and exfoliation
 from its bed. The remedies recommended
 for this purpose are - Nitrate of Silver,
 Muriacic Acid, Tr. of the Chloride of Iron,
 and the Subsulphate of Iron. (see ~~the~~ ~~same~~)
 Prof. Howard in his able Lecture
 on Diphtheria recommended very
 highly the following -
 Liquor Ferri Subsulphatis; Glycerinae

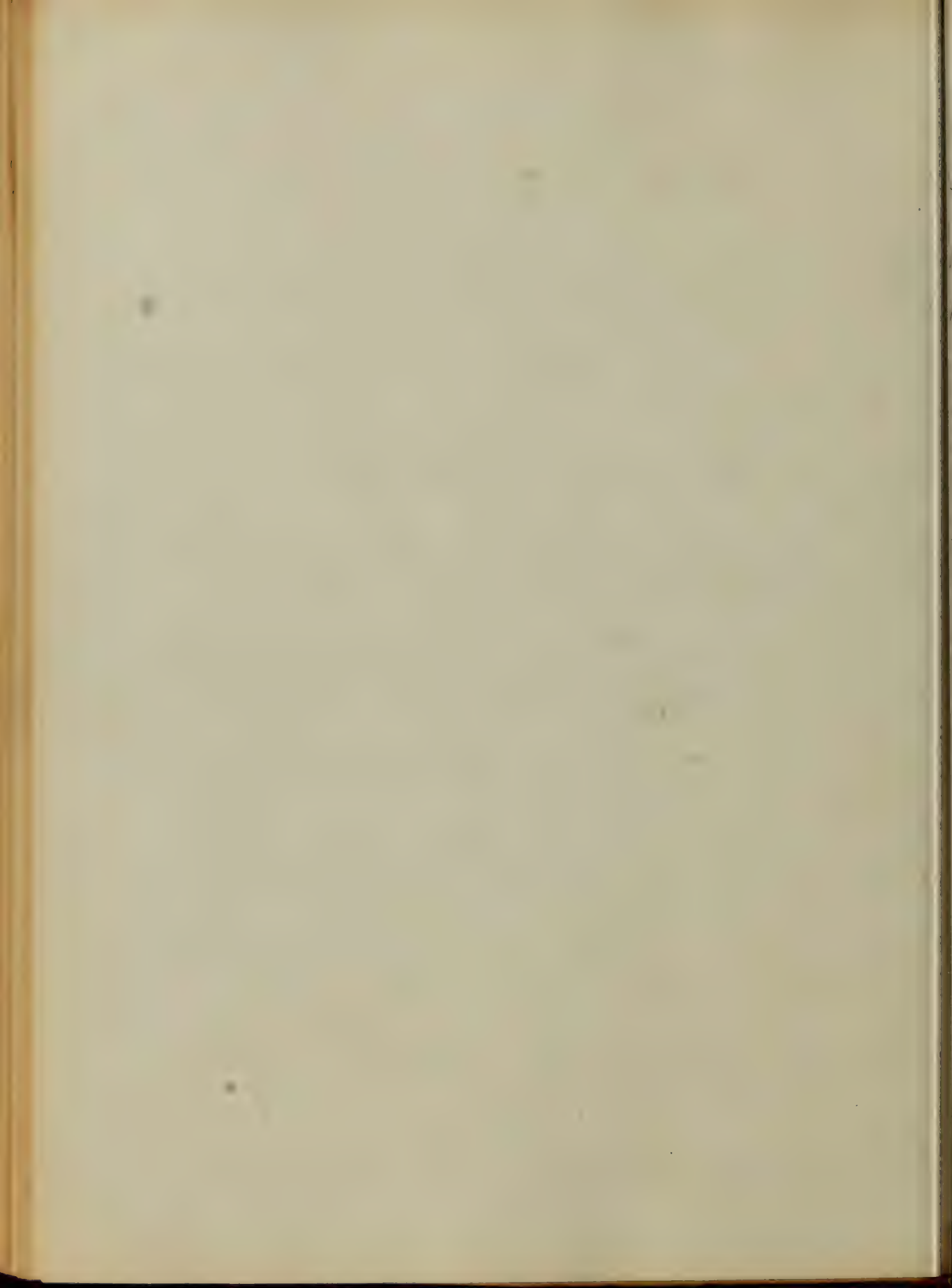


āā zij, Acidum Carbolicum gr. v.

aqua. q. s. ft. ʒvj ℥m. ~~Si-...~~

In verification of the efficacy of this treatment, I had an opportunity of examining a diphtheritic membrane expelled from the throat of one of Dr. Kloman's patients a few days ago; the membrane measured at least $2\frac{1}{2}$ inches in length and $1\frac{1}{2}$ in width, preserving accurately the form of the ~~pharynx~~ and Tonsils; it was firm, dense, and elastic; under the microscope it exhibited many corpuscles with excess of fibrin. On this patient was used the *Prun. Liquor Ferri Subsulphatis*, with the following results:—

The exudation soon lost its vitality and tendency to extend further; contracted rapidly up on itself, and was

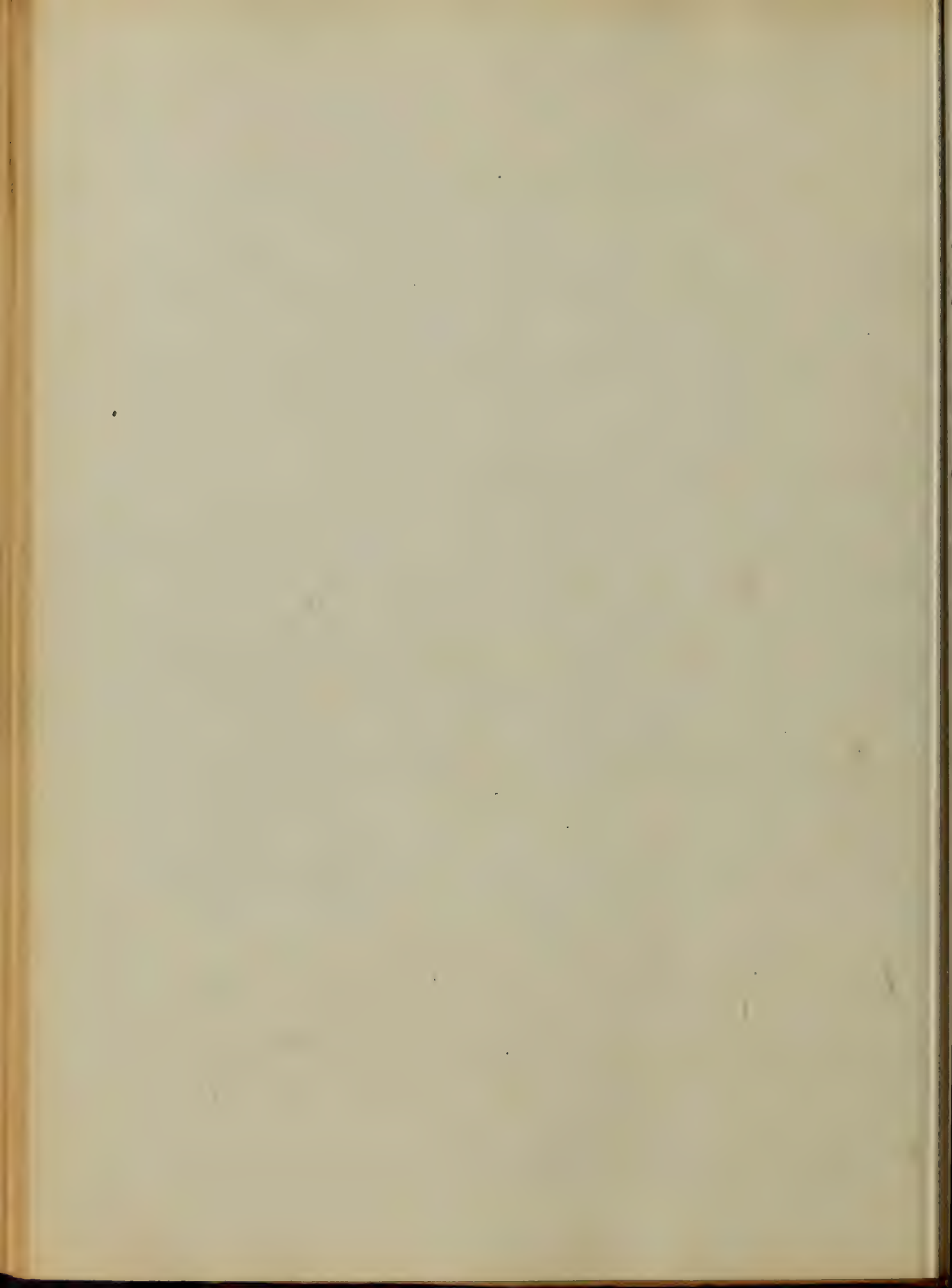


soon expelled; no hemorrhage whatever followed its expulsion; The underlying ^{surface} presented the appearance of scar tissue, having been stripped of its epithelium and mucous membrane. - There was no tendency to reformation.

Is it safe to use Mercury in Diphtheria?

All writers on this subject agree in saying that it is not only useless, but dangerous remedy. I, however, beg leave to differ with them, because I know that in many cases it is not only safe but a most valuable remedy, therefore I do not accept their dogmas.

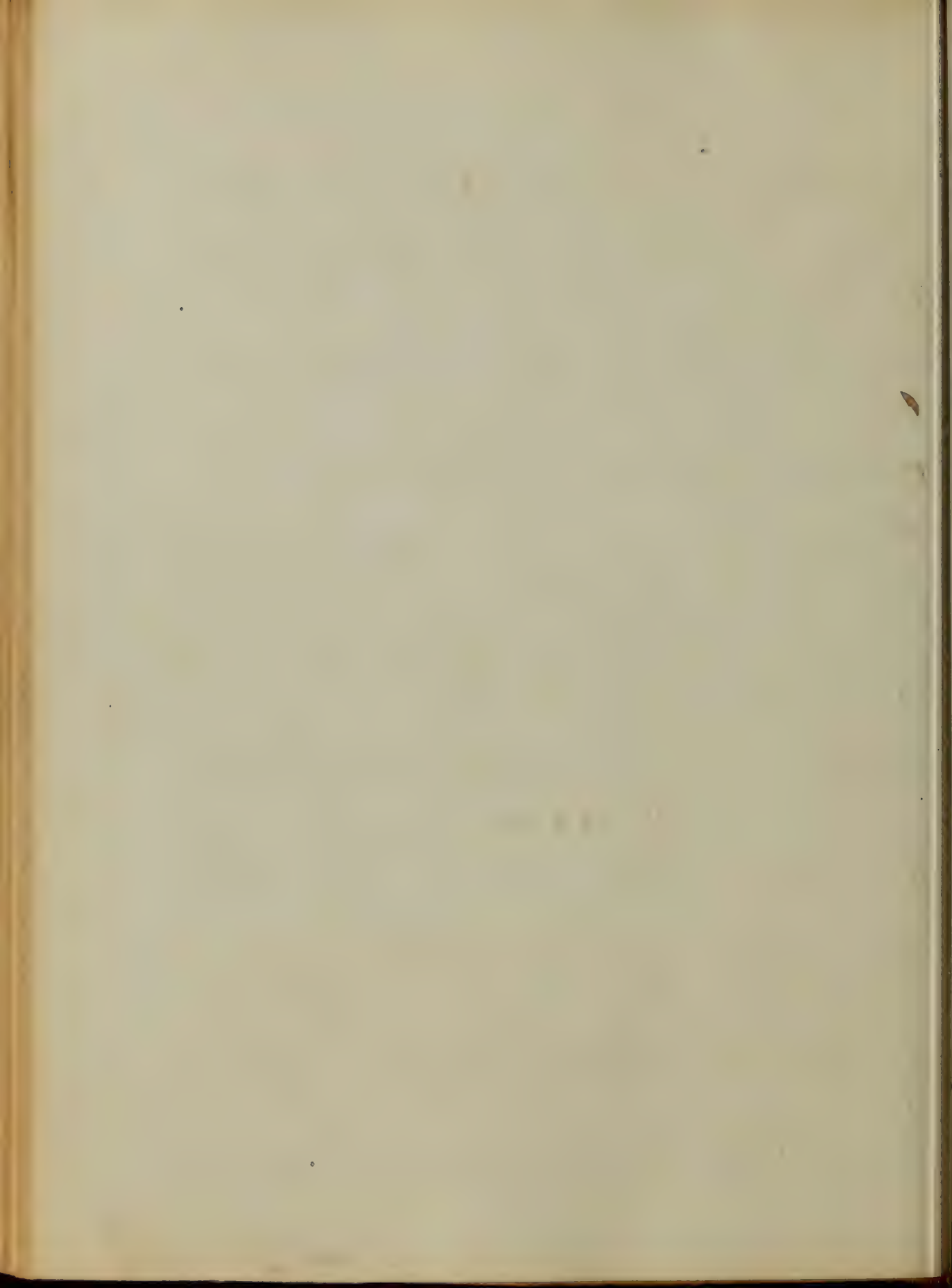
West, of London, and Meigs and Pepper in their works on the Diseases of Children recognize no difference between True Croup and Diphtheria, contending



that they are one and the same disease, differing only in grade - but mark the difference in the treatment.

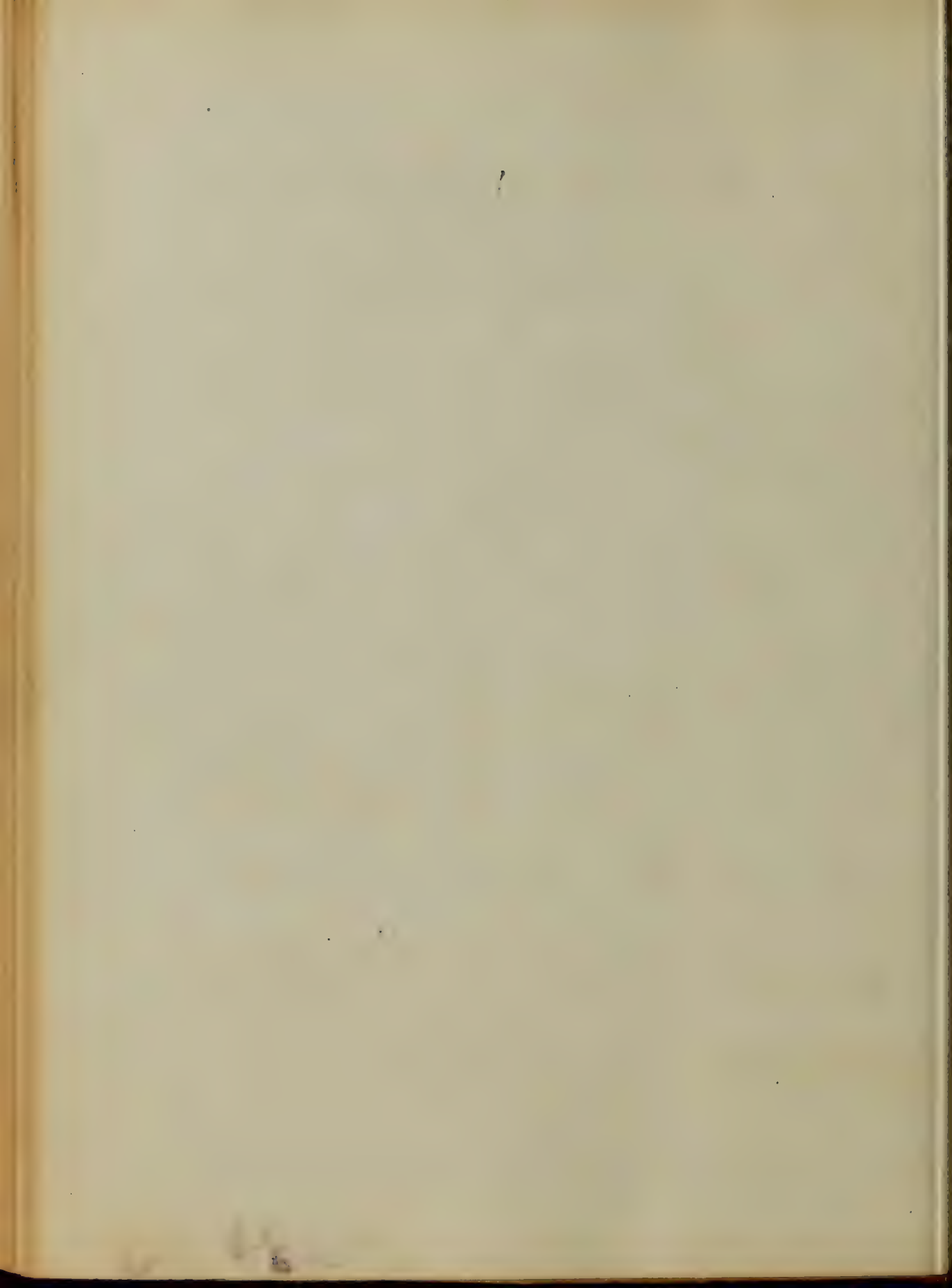
In True Croup, they advise the use of Calomel, while in Diphtheria, they contend ^{that} it is contra-indicated.

Again, they acknowledge the exudation to be highly fibrinous, if this be so, (and the microscope certainly substantiates the fact) and if Mercury is a destroyer of fibrin, as it is universally acknowledged to be, why then should it not be used in a disease where the fibrin is in excess and deposited in such quantities as not only to threaten, but often to destroy life, by occluding the air passages and cutting off respiration? Or, why should it be indicated



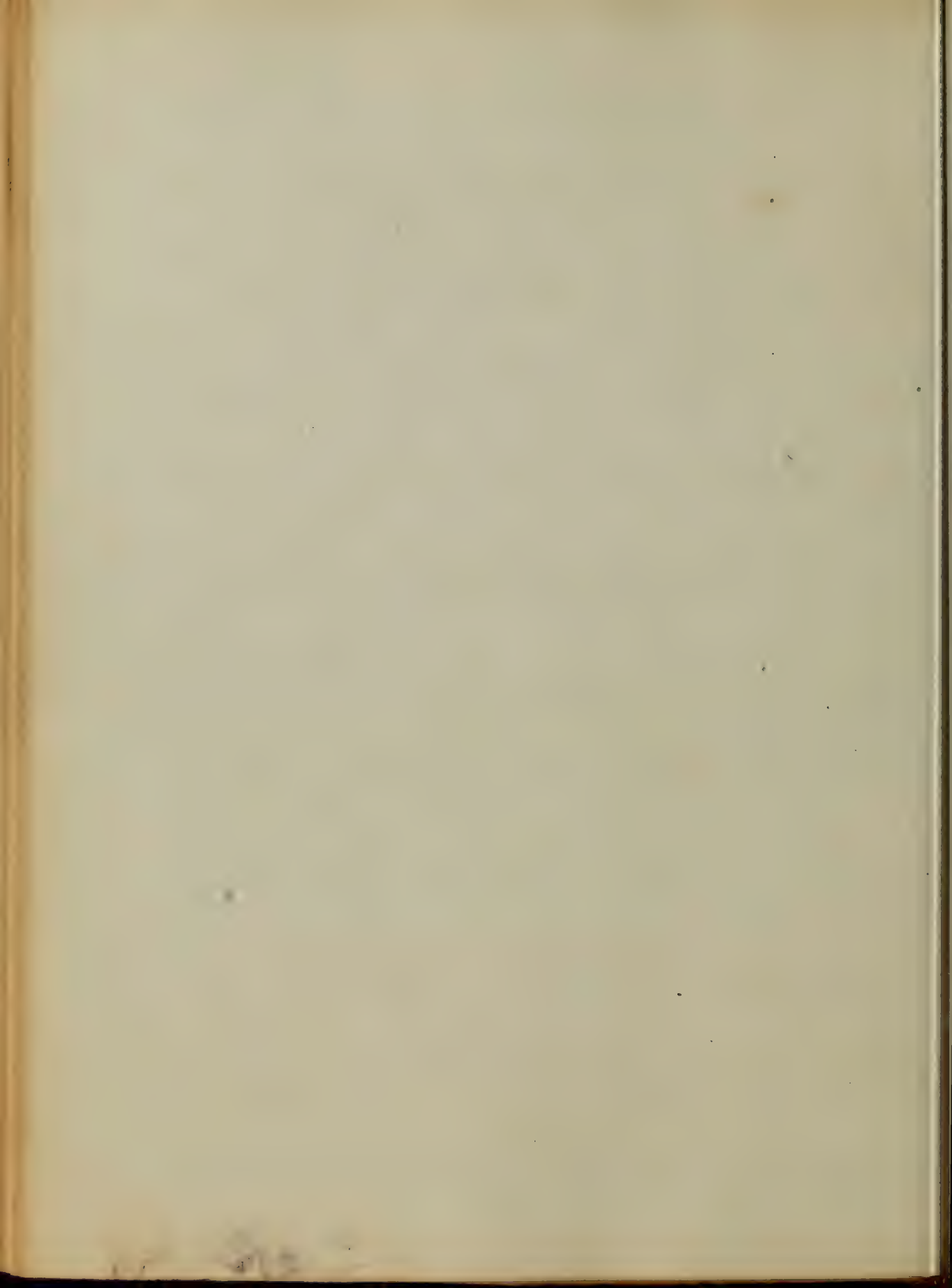
in True Croup and Contra-indicated in Diphtheria when they are similar diseases? I feel a delicacy in attempting to uphold the use of a drug, so loudly derided by men whom I acknowledge to be my superiors, yet I do it from a conscientious motive, backed by practical observation. I will here cite a case from memory illustration of its beneficial effects.

One of my acquaintances was taken sick with Diphtheria, Dr Ariman was the attending physician, he at once recognized the disease and adopted the treatment generally employed, but without success. The Exudation was thrown out in greater quantities & invaded the Pharynx, Larynx, Fauces, and



Nares; the fever ran high; in short, all the symptoms continued to augment in severity, all remedies heretofore given proved futile. Mercury was then administered as a dernier resort, & given in broken doses every 2 hours; no sooner had the system been brought under its influence, than the exudation ceased to extend and convalescence began.

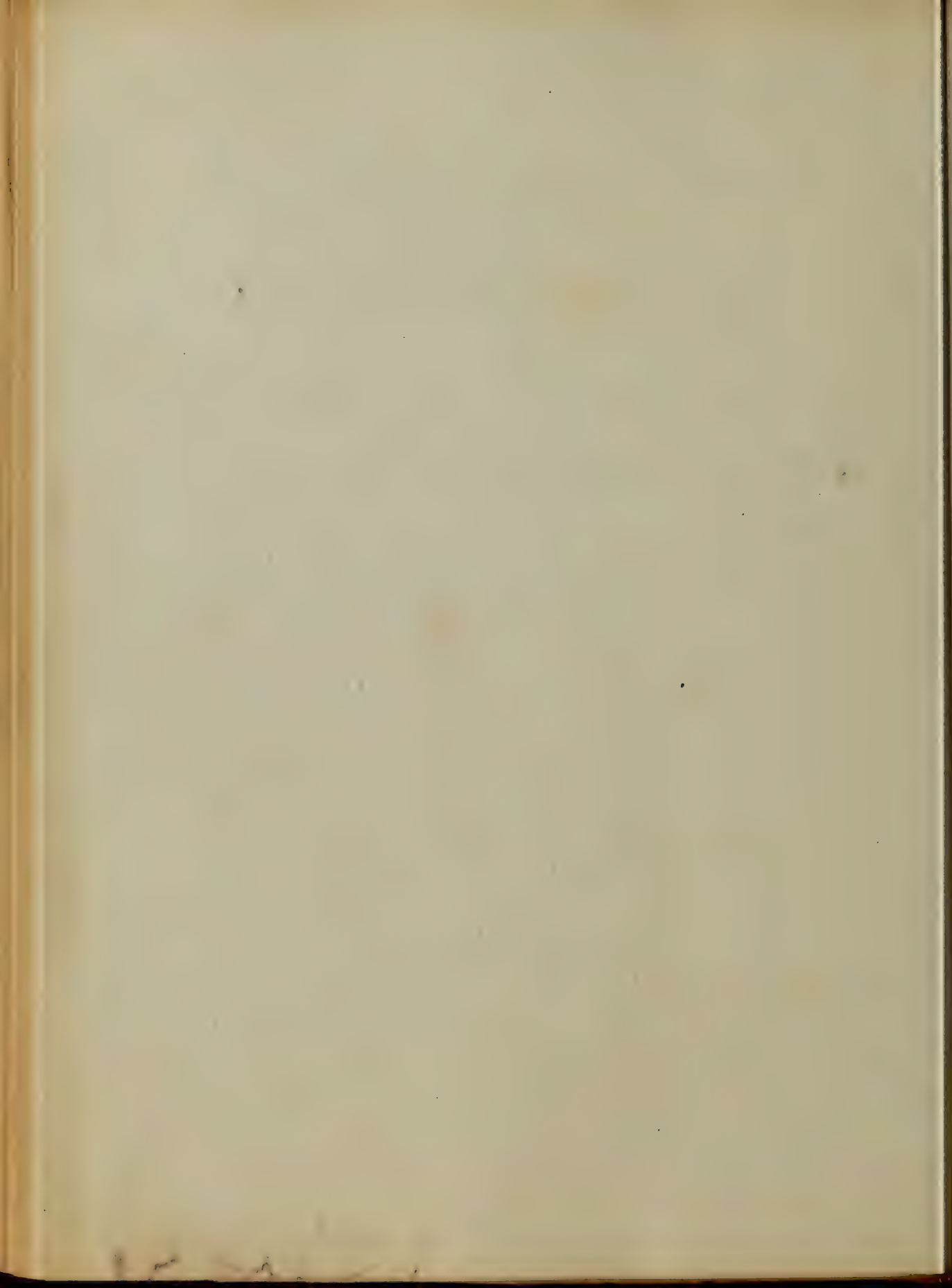
While this local affection, which is really horrible in itself, demands prompt & constant attention, yet the general system must not be overlooked, but sustained in every possible manner by the administration of tonics, stimulants, and food in a concentrated form. To affect this end, Prof. Howard recommends the free use of Quinine.



and the Muriated Fer. of Iron,

The Sequelae attendant upon the disease must be treated on general principles.

Prophylaxis - A gargle of Chloride of Sodium and water to be used *ter die* -



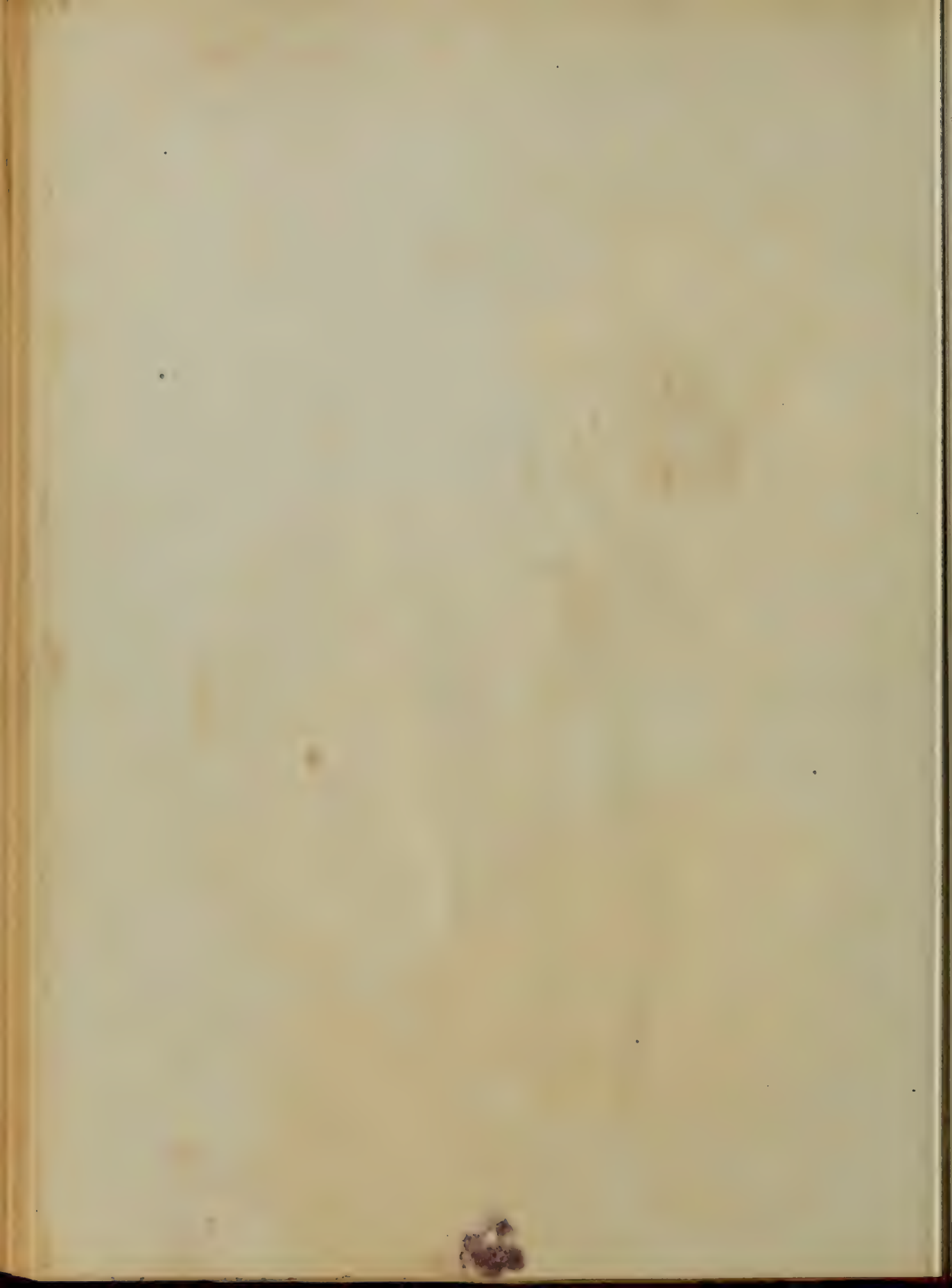
Presented to
the American Academy of Arts and Sciences

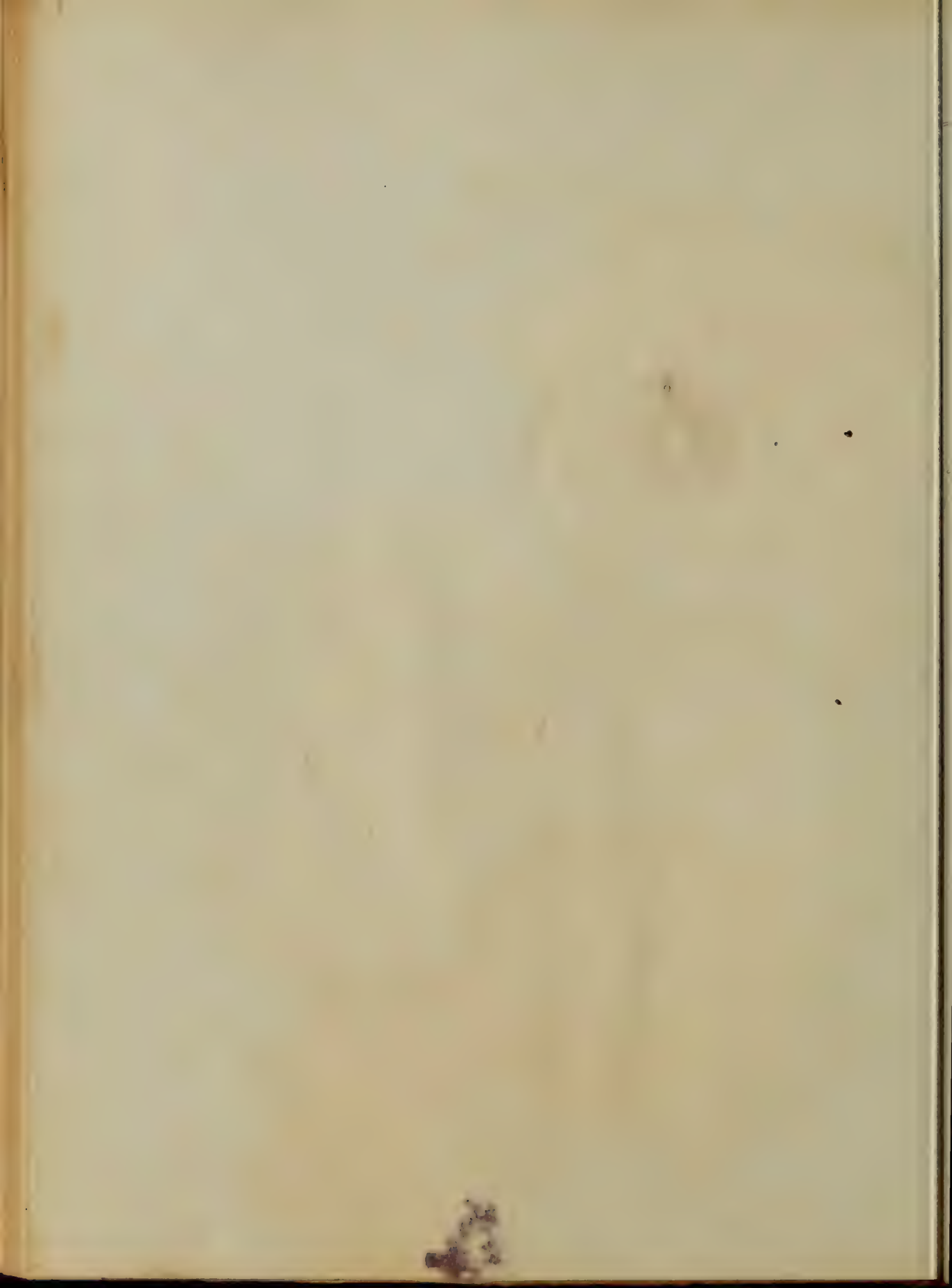
Presented

Medical Faculty of the
University of Georgia

C. L. Alexander of Georgia.

Class of 1871-72.

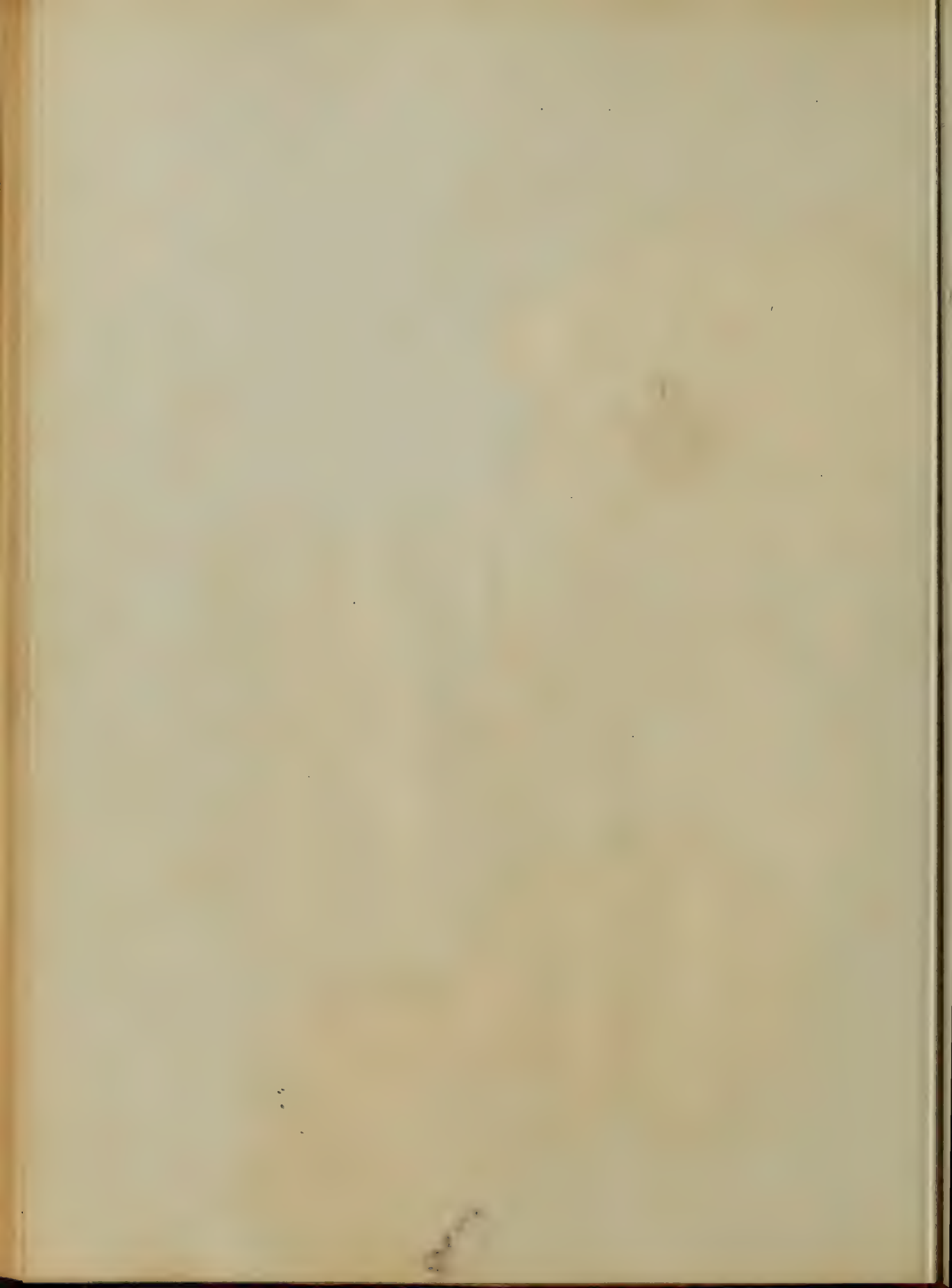




...
to Black Lanthorn, ...
...
...

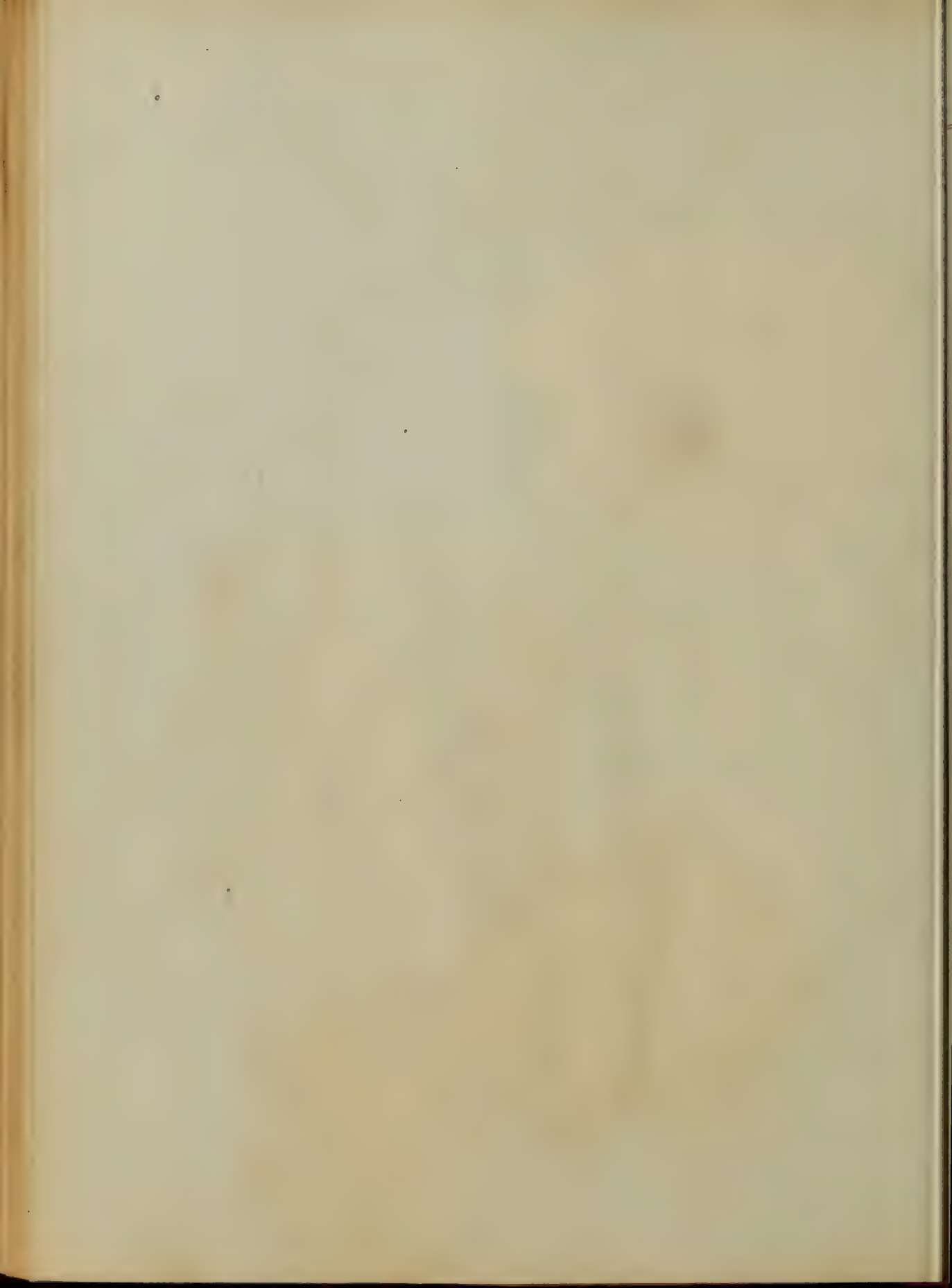
... first attracted attention as
a distinct disease, in the United
States about the year 1865. Prior
to this period, no mention of it
as a distinct and separate disease,

... author. ...
...
regions of the Southern States it
was thought to be ...
...
familiarly ...



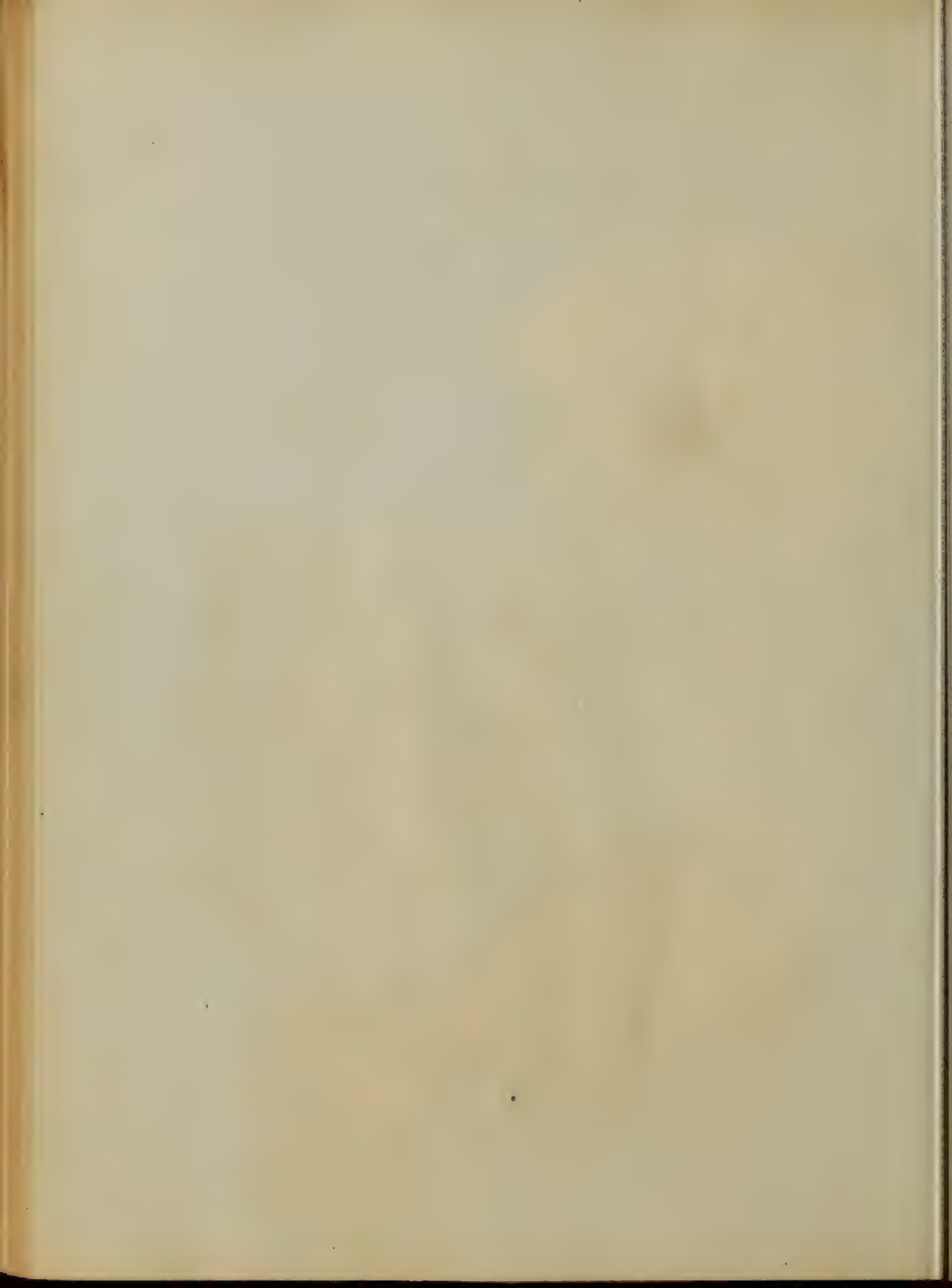
... to establish its ex-
 istence in some of the Malasian
 regions beyond the Atlantic for
 many years. He is satisfied,
 in his own opinion, that
 the ... of ...
 cases reported by ...
 in ... of ...
 as well as ...
 ...
 ...
 ...
 Malasian diseases.

...
 presenting in other Malasian
 diseases present in this.

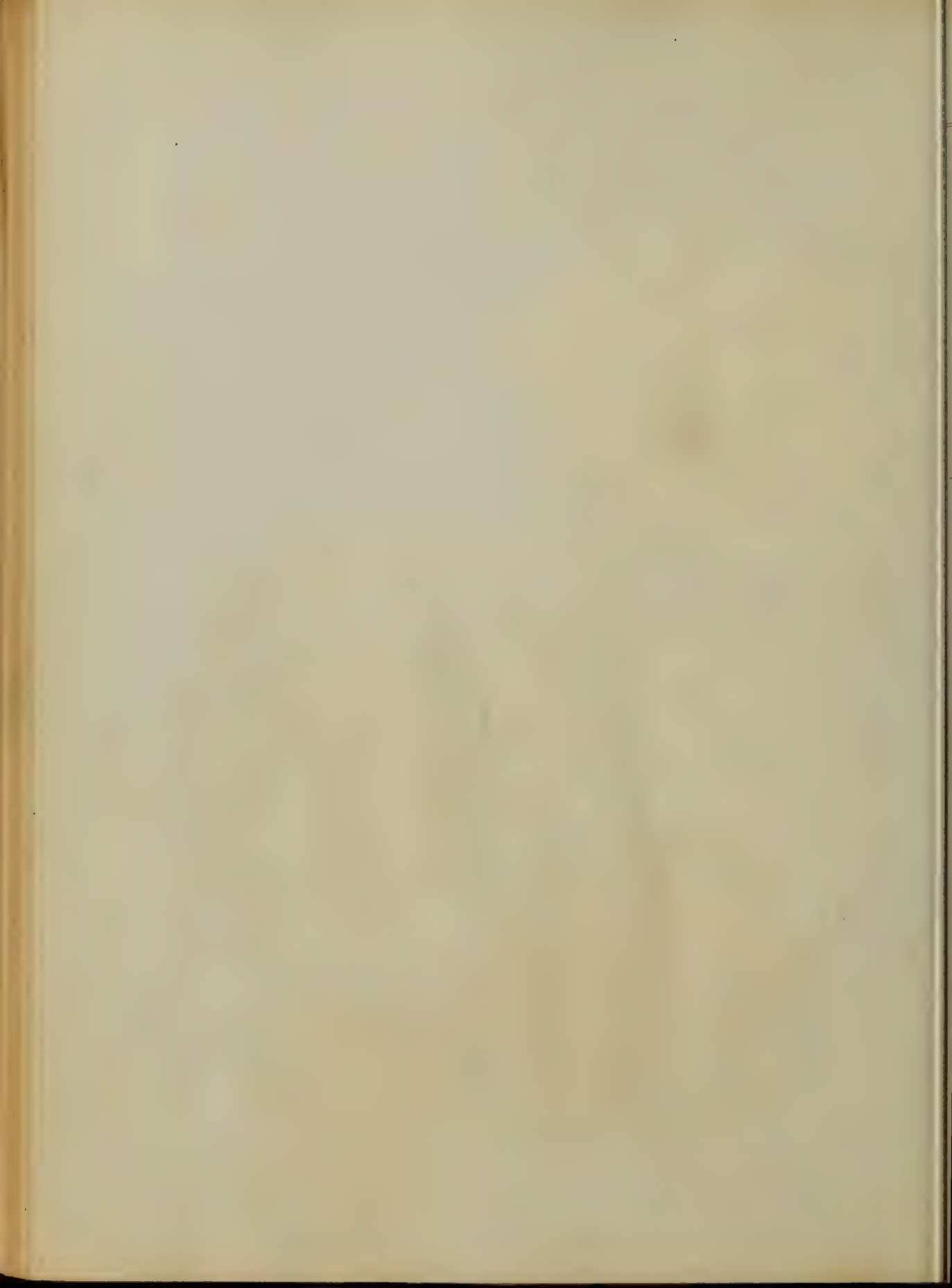


It attacks, frequently, those who have
a health much improved
by a course of medicine.

The attack, in some cases, is
attended by a chill, and
is not less violent than
the ordinary form of
intermittent fever - the patient
at the same time seeking to be
only covered. Sometimes the
chill is accompanied by a
shivering, and the patient
is not less violent than
with the chill, or very soon after,
the patient is
it is the first stage of
the ordinary contents

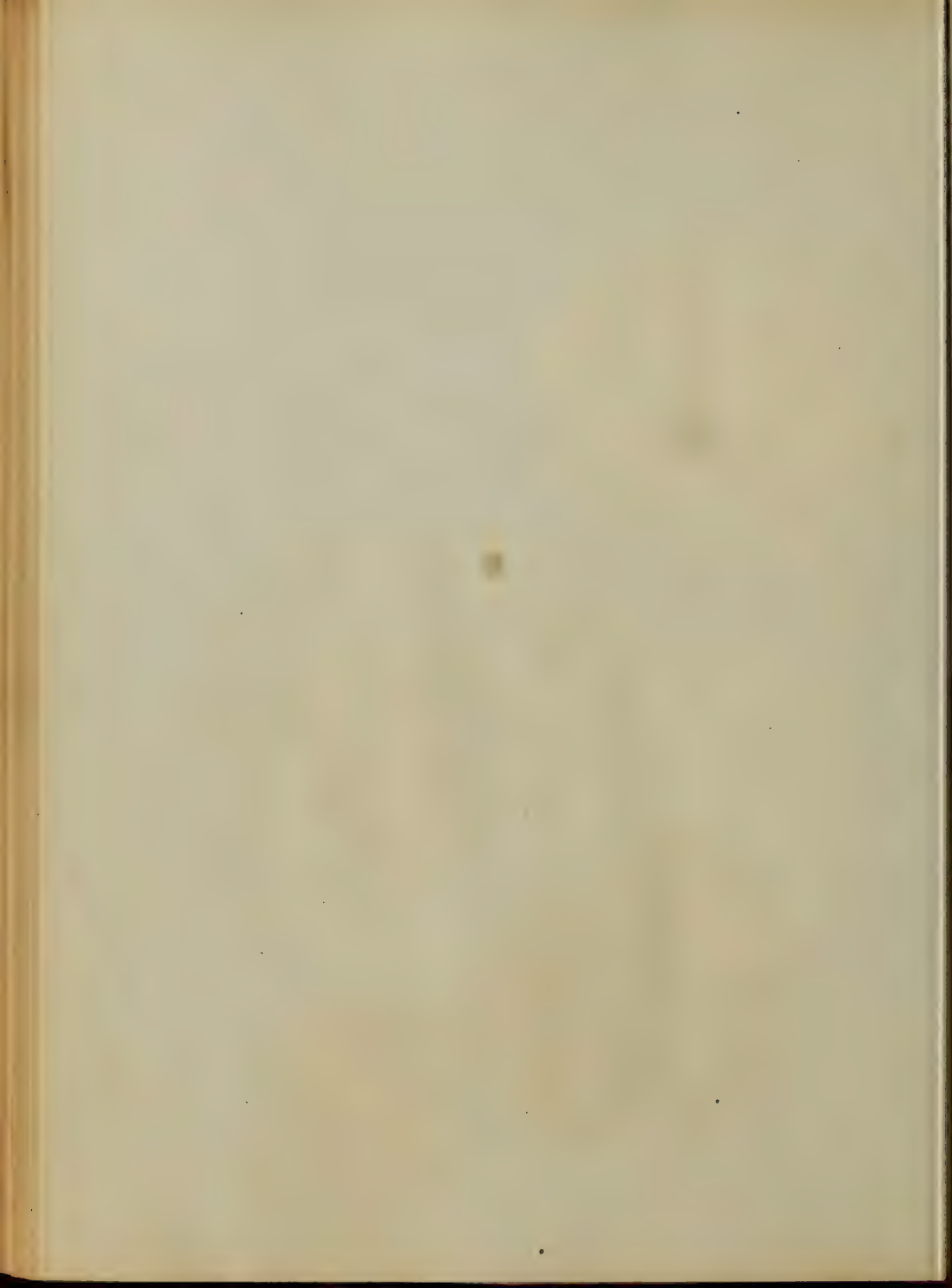


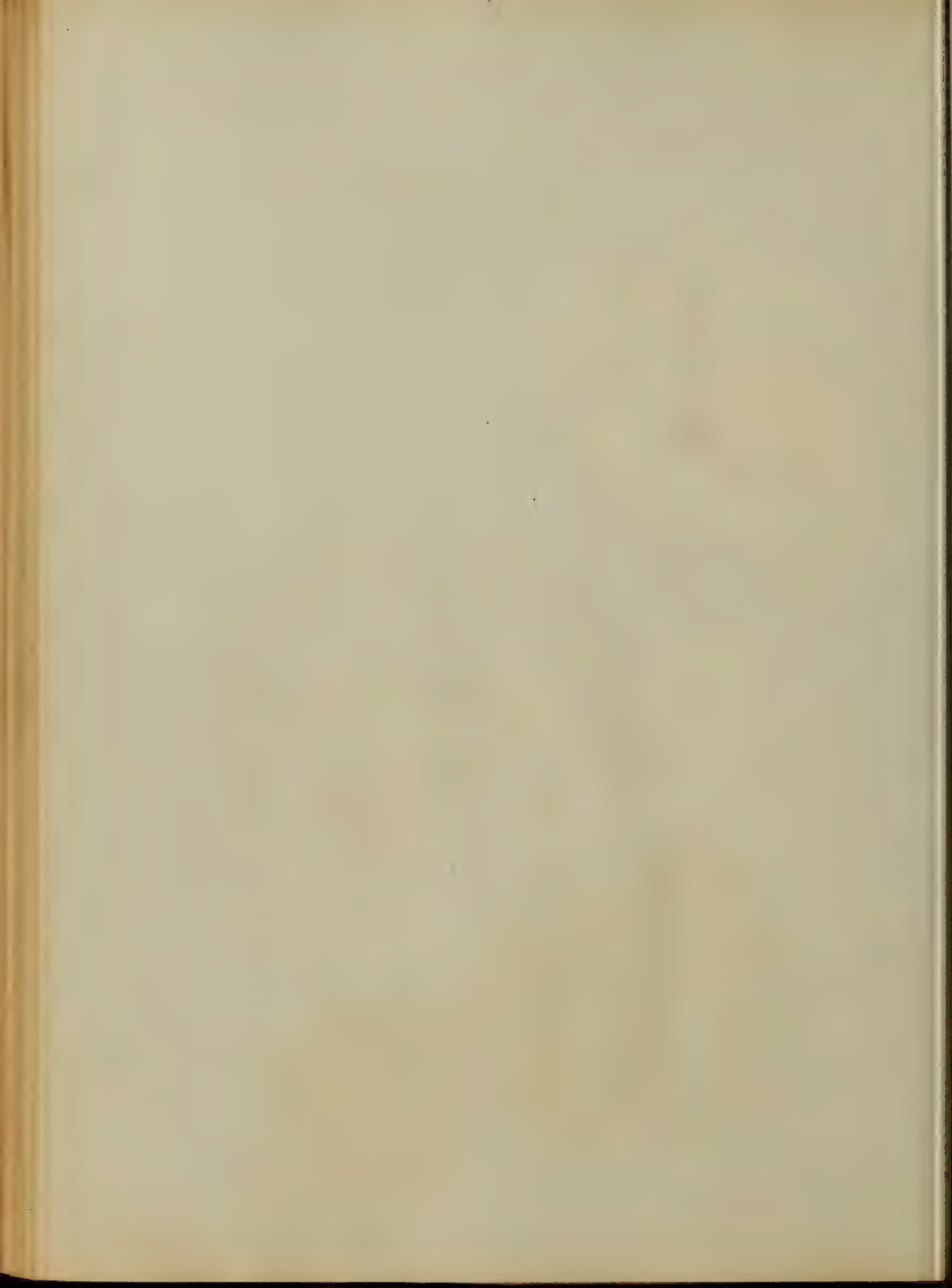
of which is called Passio
oculorum. This is a severe disease
commencing generally with some
heat in the stomach; - and in some
the disease will continue for
several days after convalescence is
established. Bitterness and
distention of the stomach
with a feeling of
heat in the stomach
and a yellowish
body assumes a bronzed yellow
hue, and jaundice is establish-
ed. The Fever which succeeds

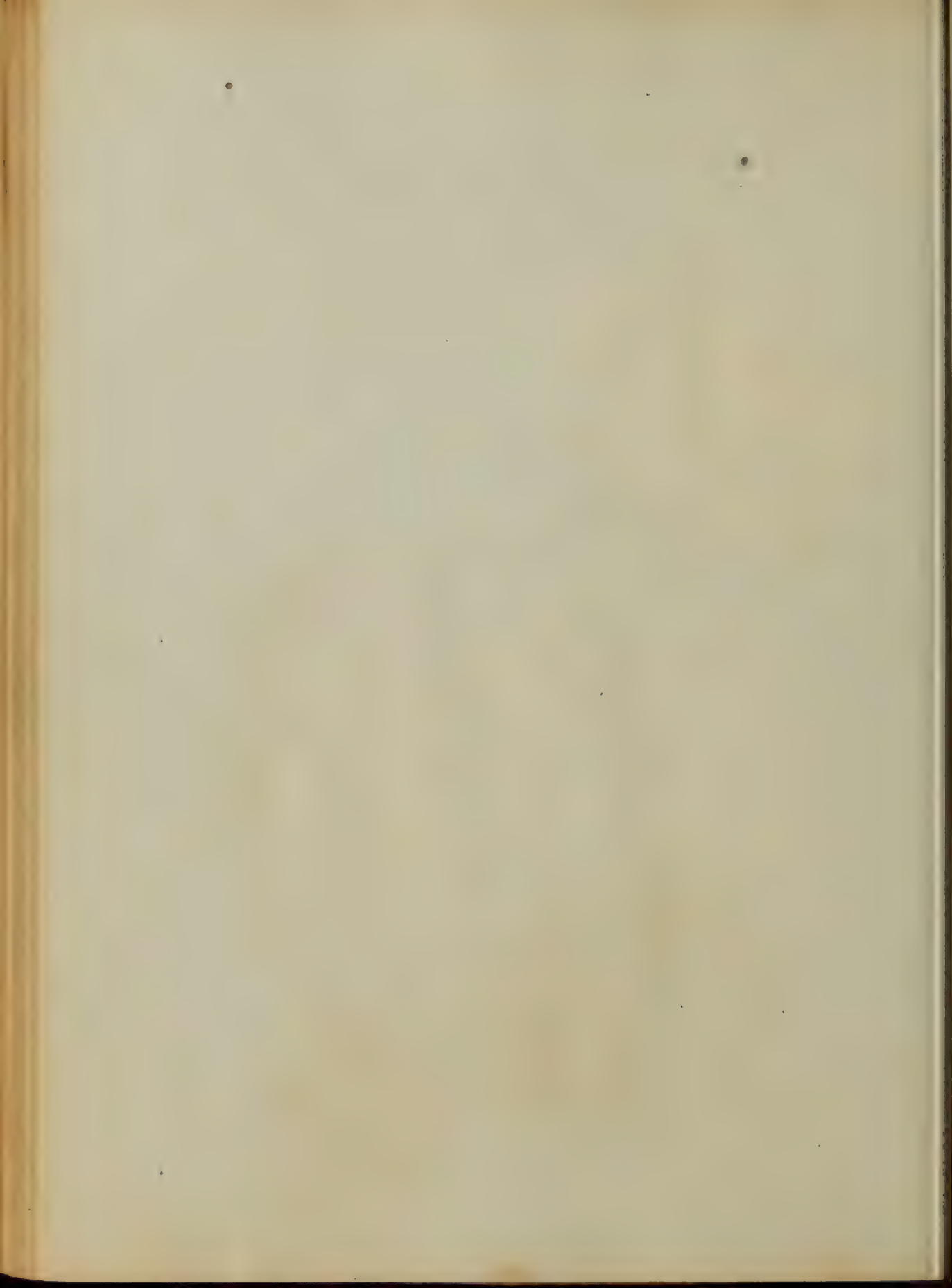


the fall is not often interrupted
 and slight, the pulse is not
 rarely reaching the number
 (over 100) except in cases where
 the temperature is high
 during the summer months.

cases. The thirst is great, and
 insatiable. Within from
 to three hours, generally, after the
 chill, a steady discharge occurs
 from the kidneys. It was this
 symptom, so invariably present
 and so characteristic of the disease
 upon this disease the name was
 given to the hemorrhage from the



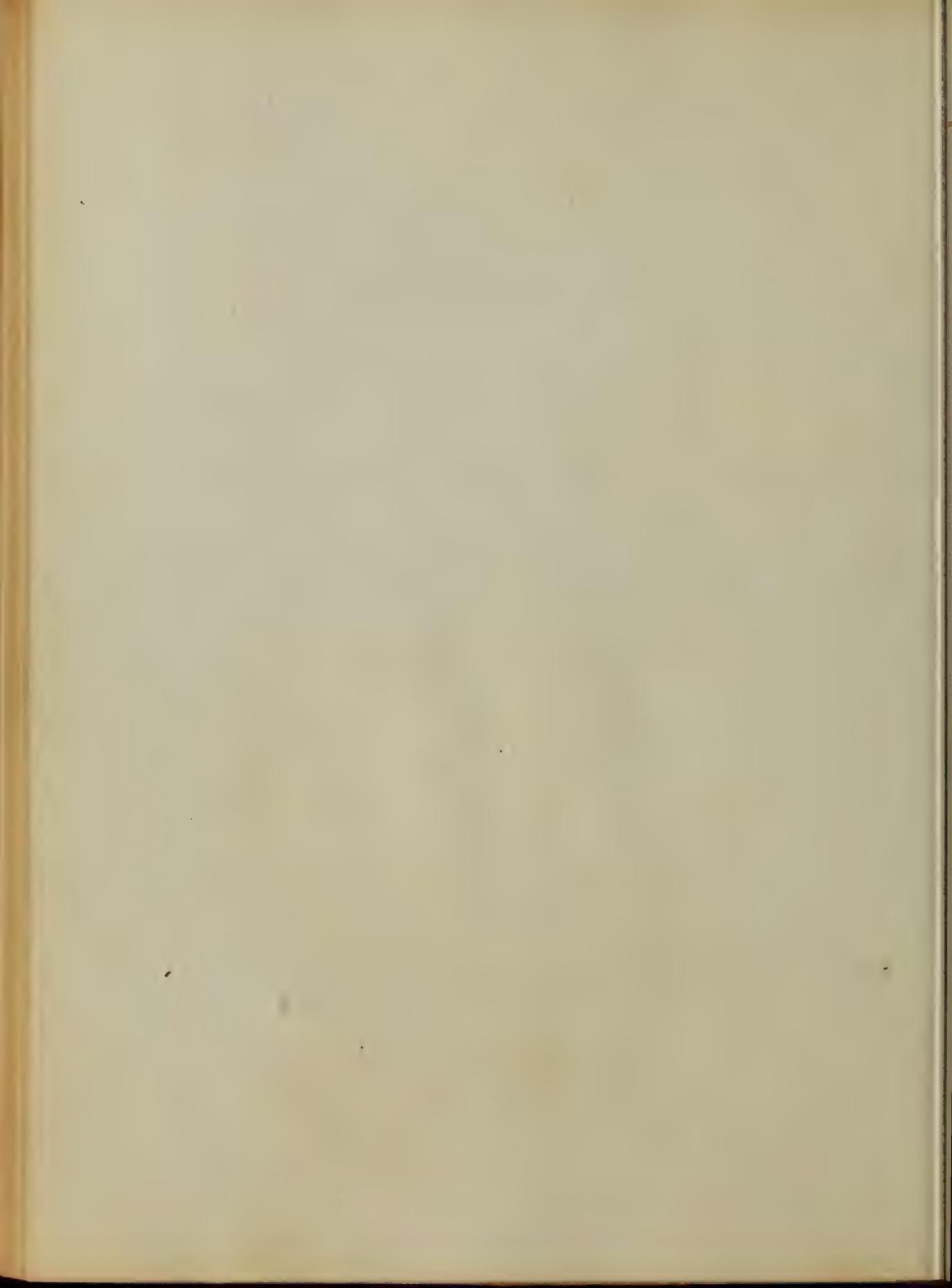




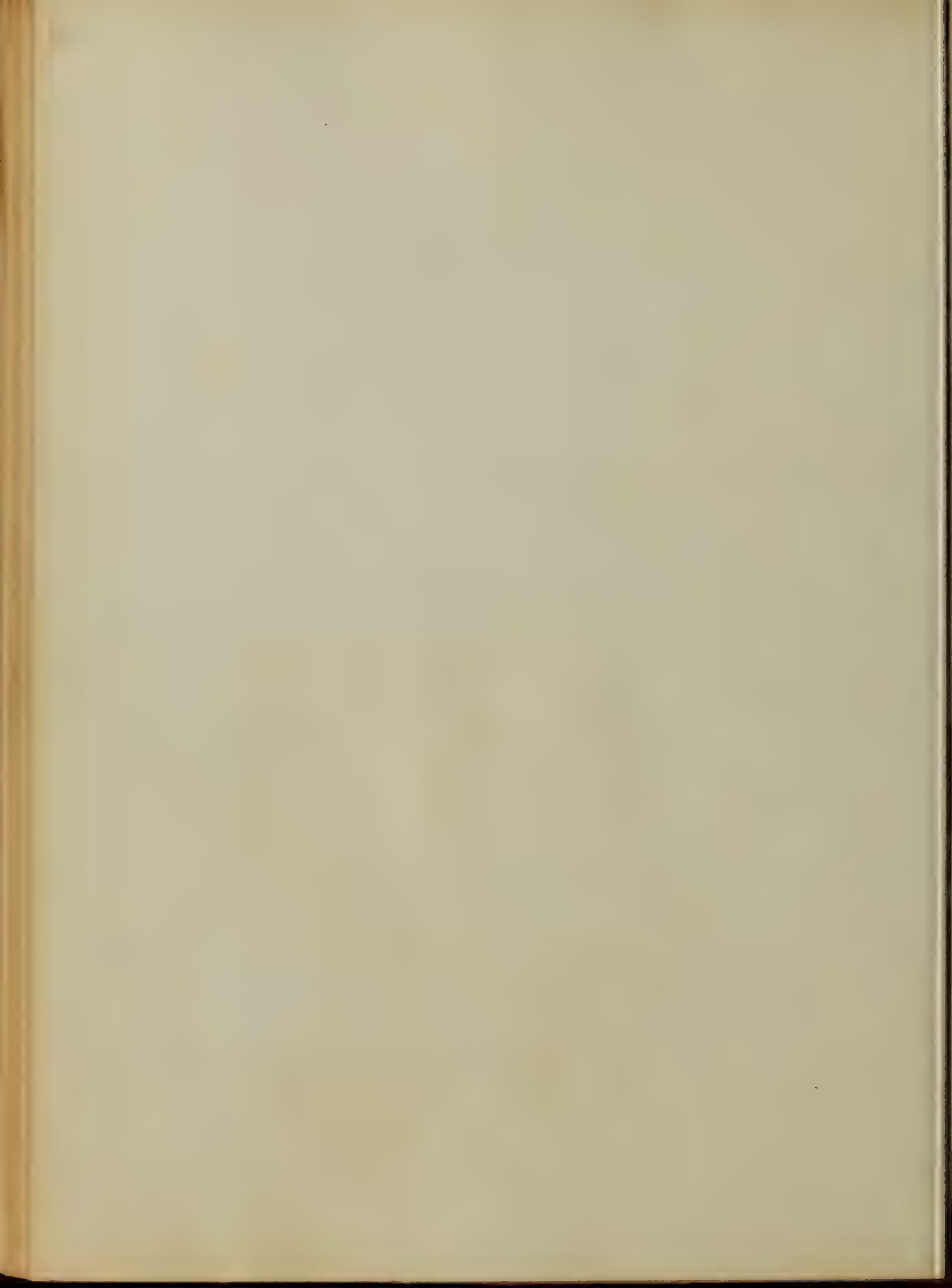


terrible nausea and vomiting;
extreme debility, rapid exhaustion
and collapse. Sometimes
death is preceded by all the symptoms

Pathology— This disease does not
originate in itself from the
morbid changes observable at
the time of death. The
pathologists are not yet agreed



... system of ...
... would set the question ...
... occurred the last ...
... that the theory is far from being
established; and there are many
facts ... and ... per
the ... marked ...
the nervous system. But, touching the
effect of ... upon the ...
... agreed. It has been
... to be ...
...



... ..

... ..

... ..

... ..

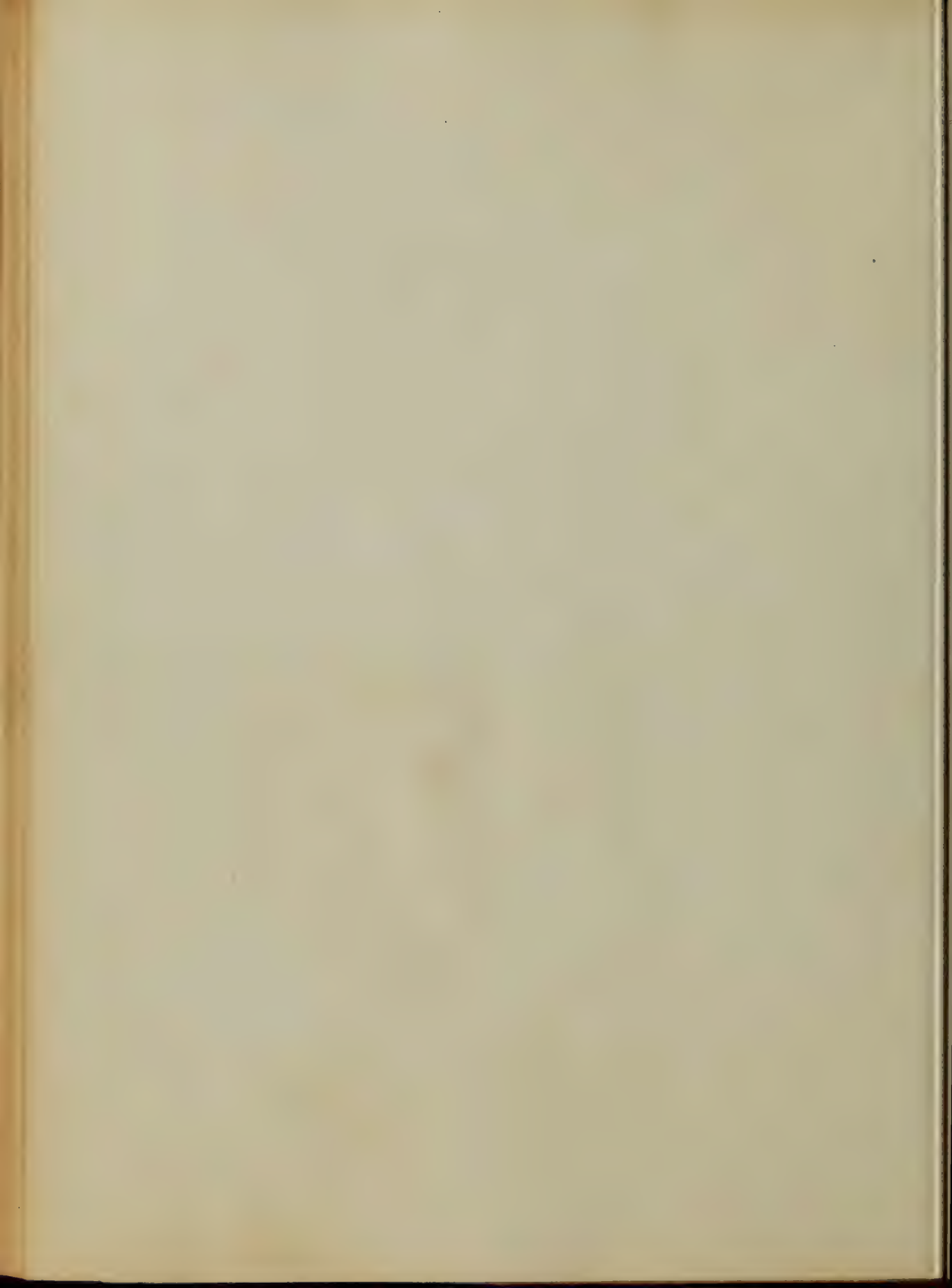
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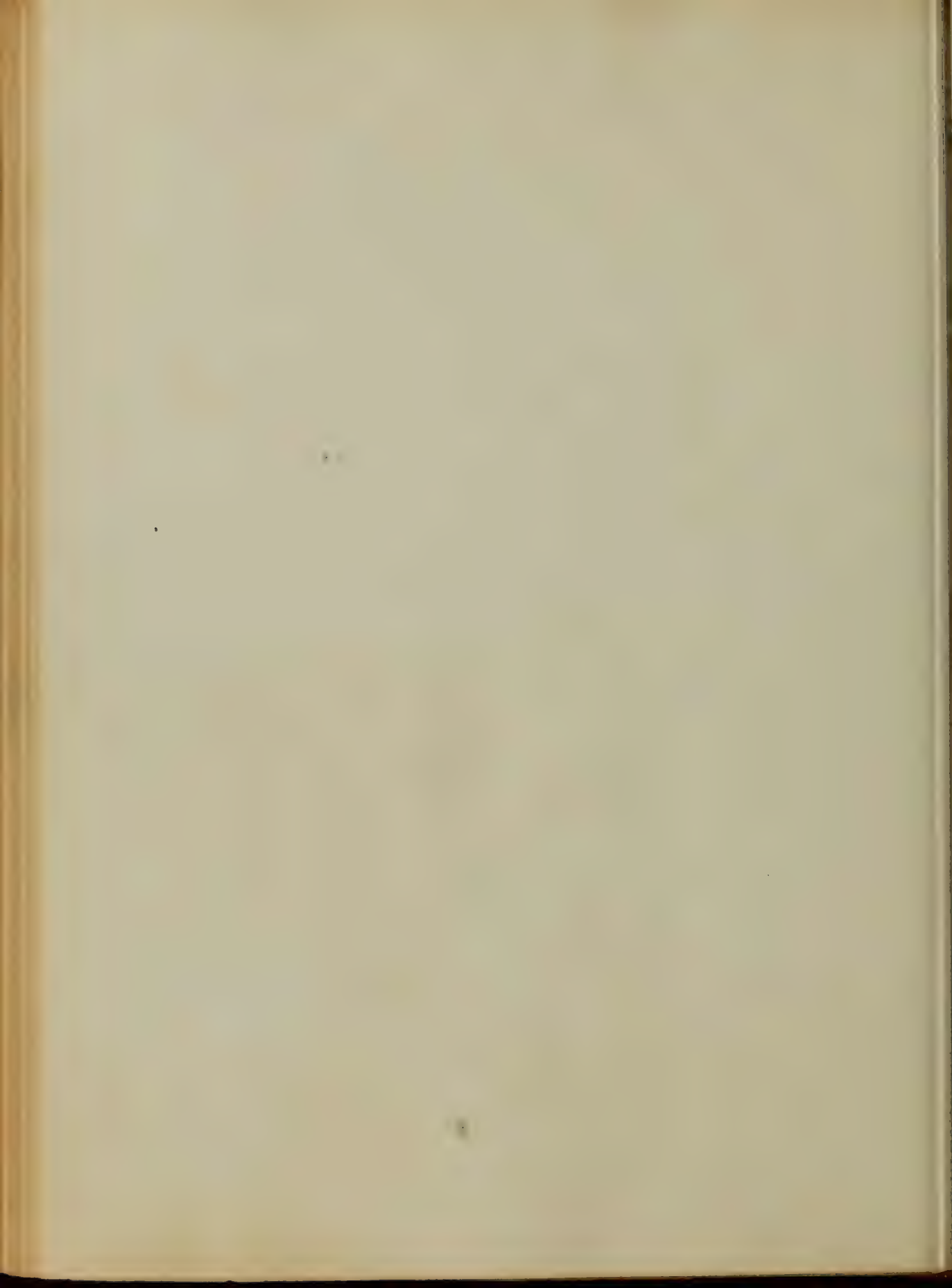
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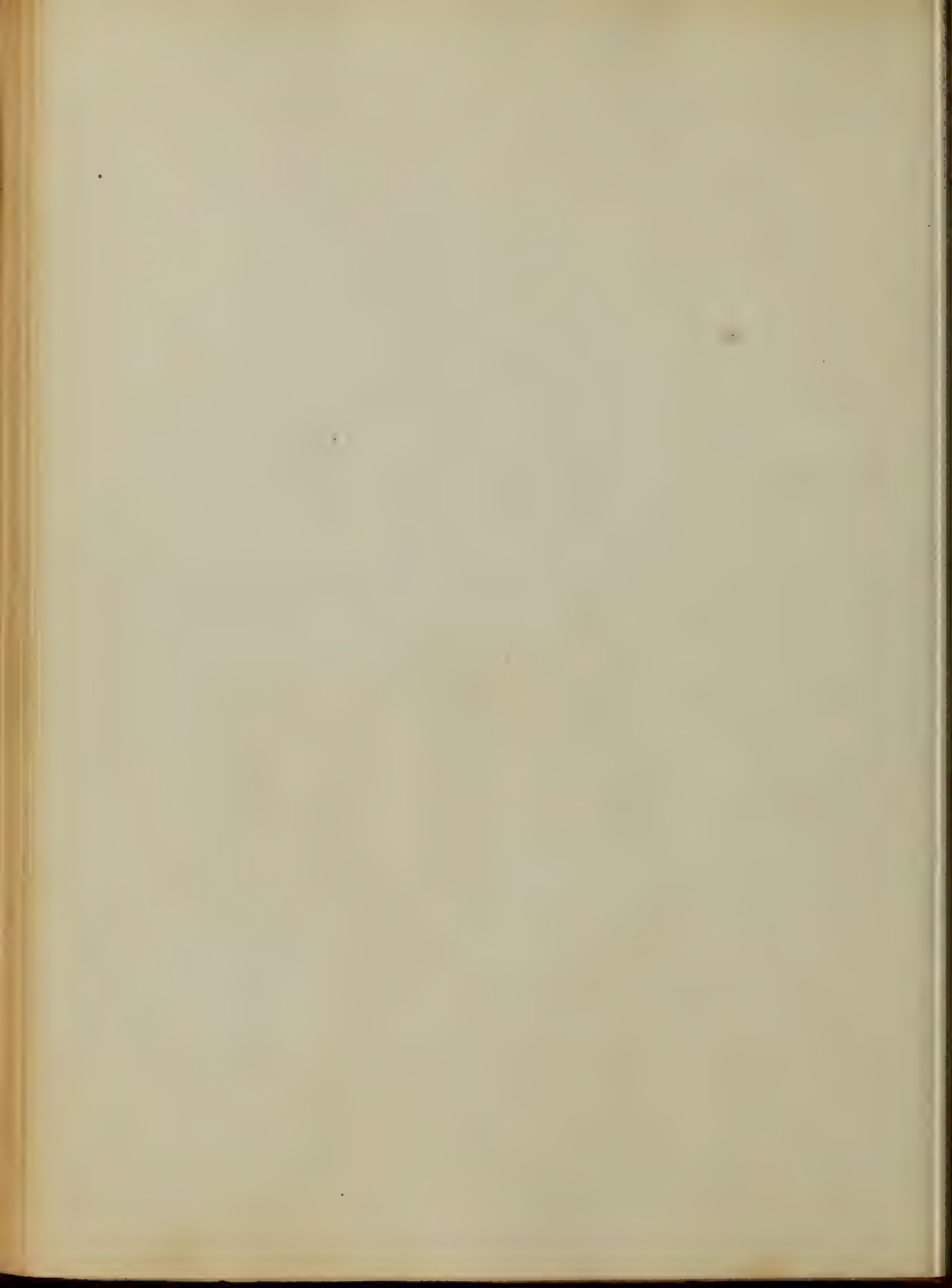


Satisfactory to increase of the
quantity, the color of the
the occurrence of haemorrhage, and
the white of the eye. These
and Urosacine are results of the
degeneration of the
further to the liver, the
and excessive disintegration
of these globules. Hence it follows
as a natural consequence, that the
will be an increase of
me. It is from which Biliverdin and
Urosacine are formed. And un-
less there is a corresponding in-
crease in the depurating functions
of the liver, there will be an



of the bile is not dissolved
in the blood, but is
in the bile itself, and
the matter of the bile does not exist pre-
formed in the blood. But there
are many reasons for viewing
it as a matter of the bile, and
of the matter of the bile, from
miasma; from snake bite; from in-
tense mental emotion be expl-
ained?

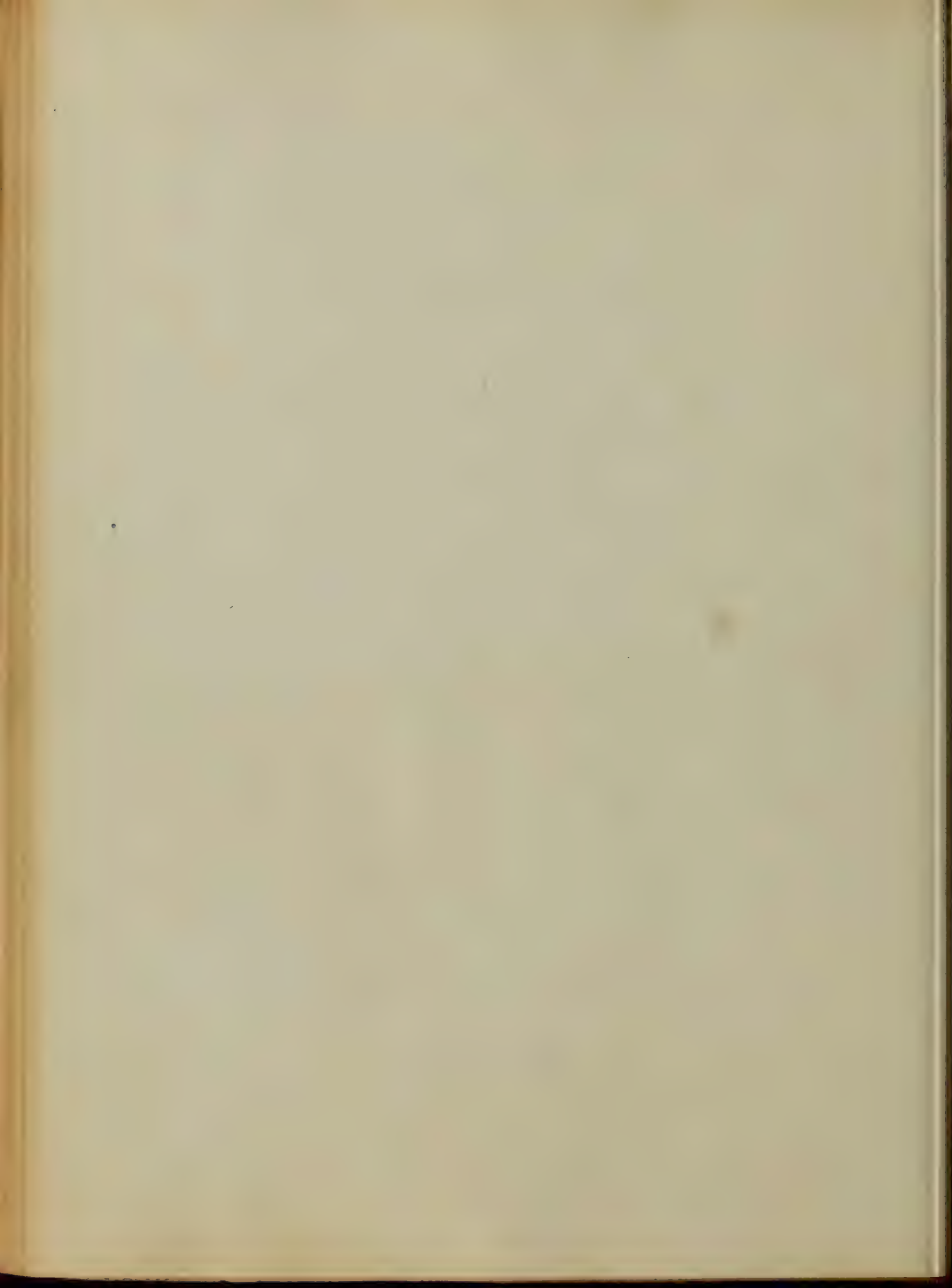
The sighing respiration is, also, a con-
sequence of the disease, the
tion and death of the red globules,
For a man breathes by virtue of his



...
...
produced: the effete blood corpuscles not being duly eliminated by the ~~... of the ...~~ the Kidneys take on a vicarious action; and this compensatory action produces in them a state of congestion which ~~... of ...~~ haemorrhage. And this haemorrhagic tendency is, also, increased by the ~~... of the ...~~

Cause - Malaria is the exclusive cause of this grave disease. But it must act with ~~... of the ...~~ to produce this ~~... of the ...~~

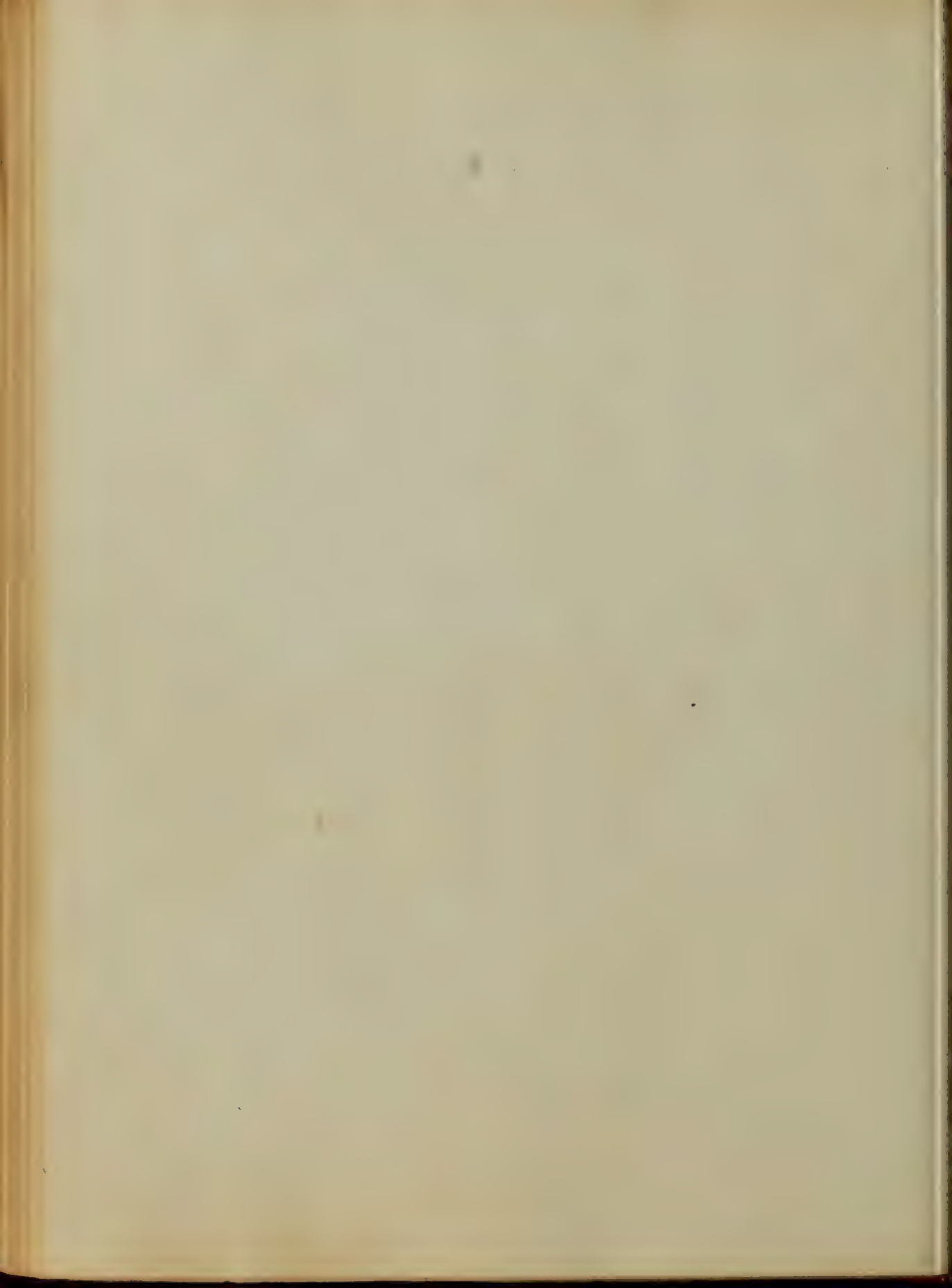
Diagnosis - There is not, usually,



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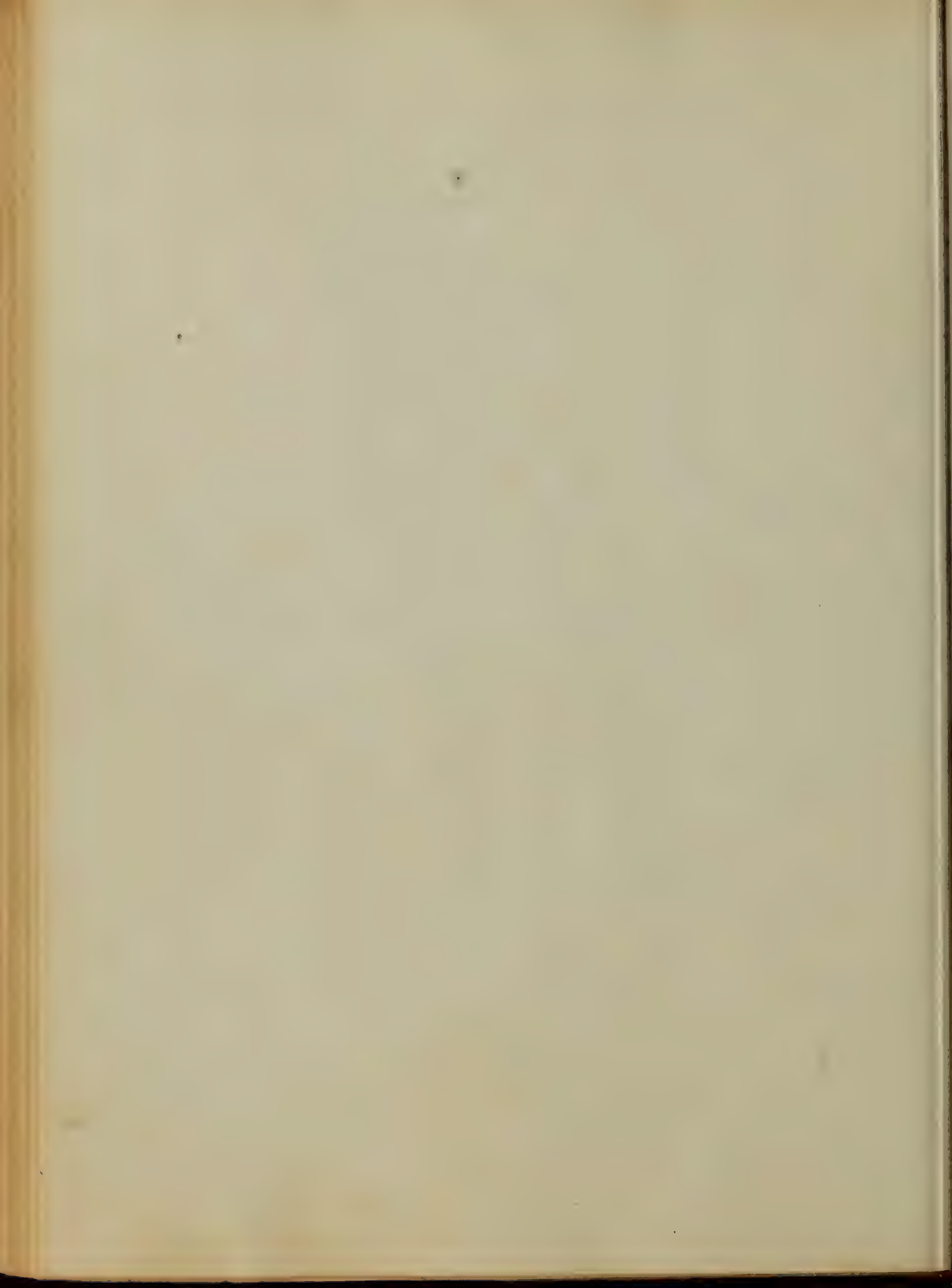
always lead to a correct diagnosis.

Prognosis. The prognosis, till recently, of this disease has been probably uniformly unfavorable, and it has, at first, ranged from a few days to a few years. But with an increased knowledge of its progress and course, and consequent improvement in the treatment, the mortality has greatly diminished.



med, & other diseases and catarrhs
Subjects, the prognosis is bad,
The same indication always, as
previously healthy, and if vigorous
constitutions, the prognosis is con-
sidered favorable.

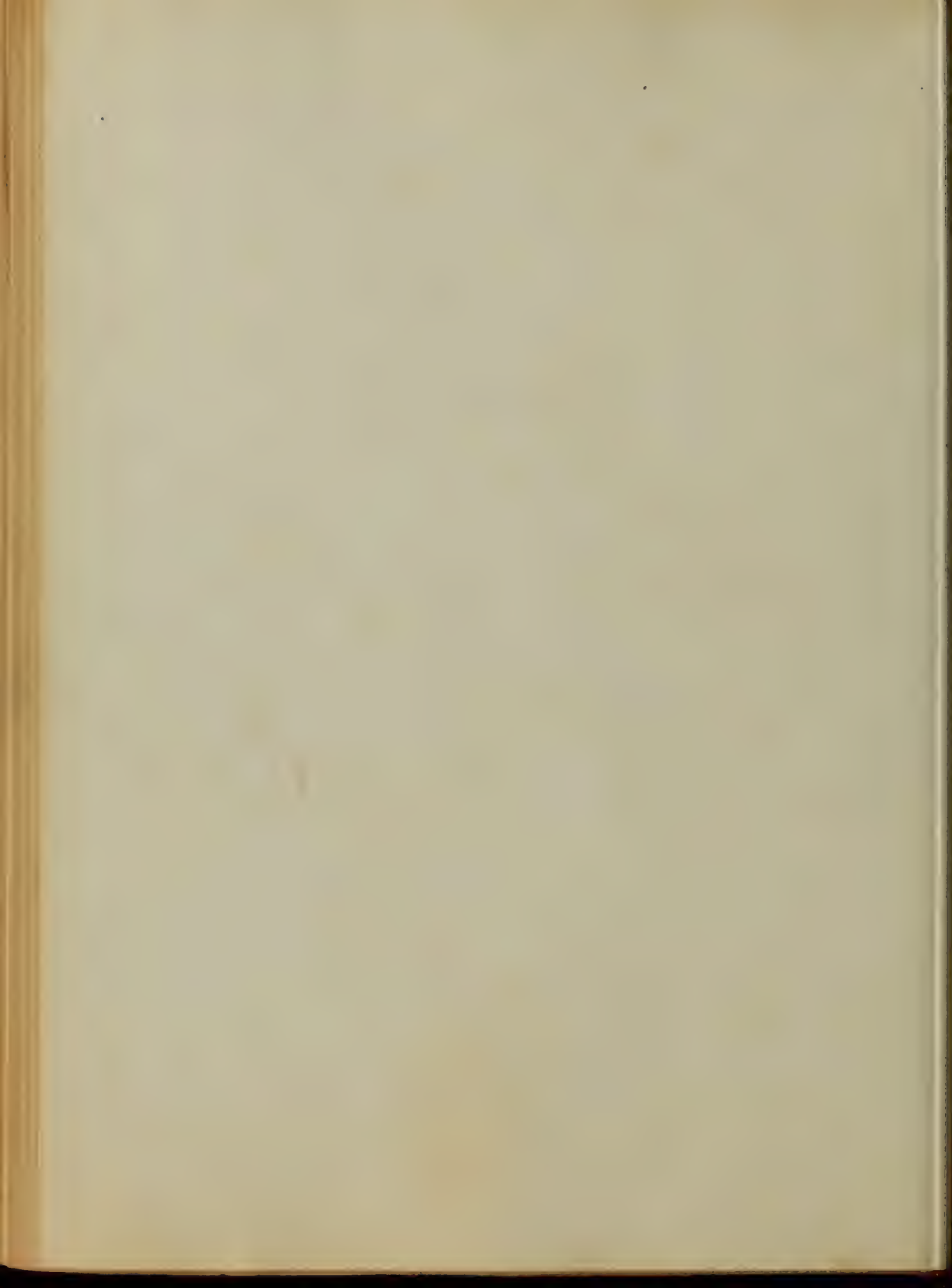
Indications - To check the hæmorrhage;
To build up the general health;
and thus prevent a relapse. Opium, for
fulfilling the first indication,
is the best medicine.



once, and its administration con-
tinued for 120 days. For the next
month, one or two days, the chief
purpose as the remedy was
certainly controlled by the
quinine which is given to arrest
the fever. Quinine is the grand
remedy for this, as well as all
other Malarial diseases.
It is administered in the
form of the quinine, and follows the
attack, and it is continued
as the fever is arrested.



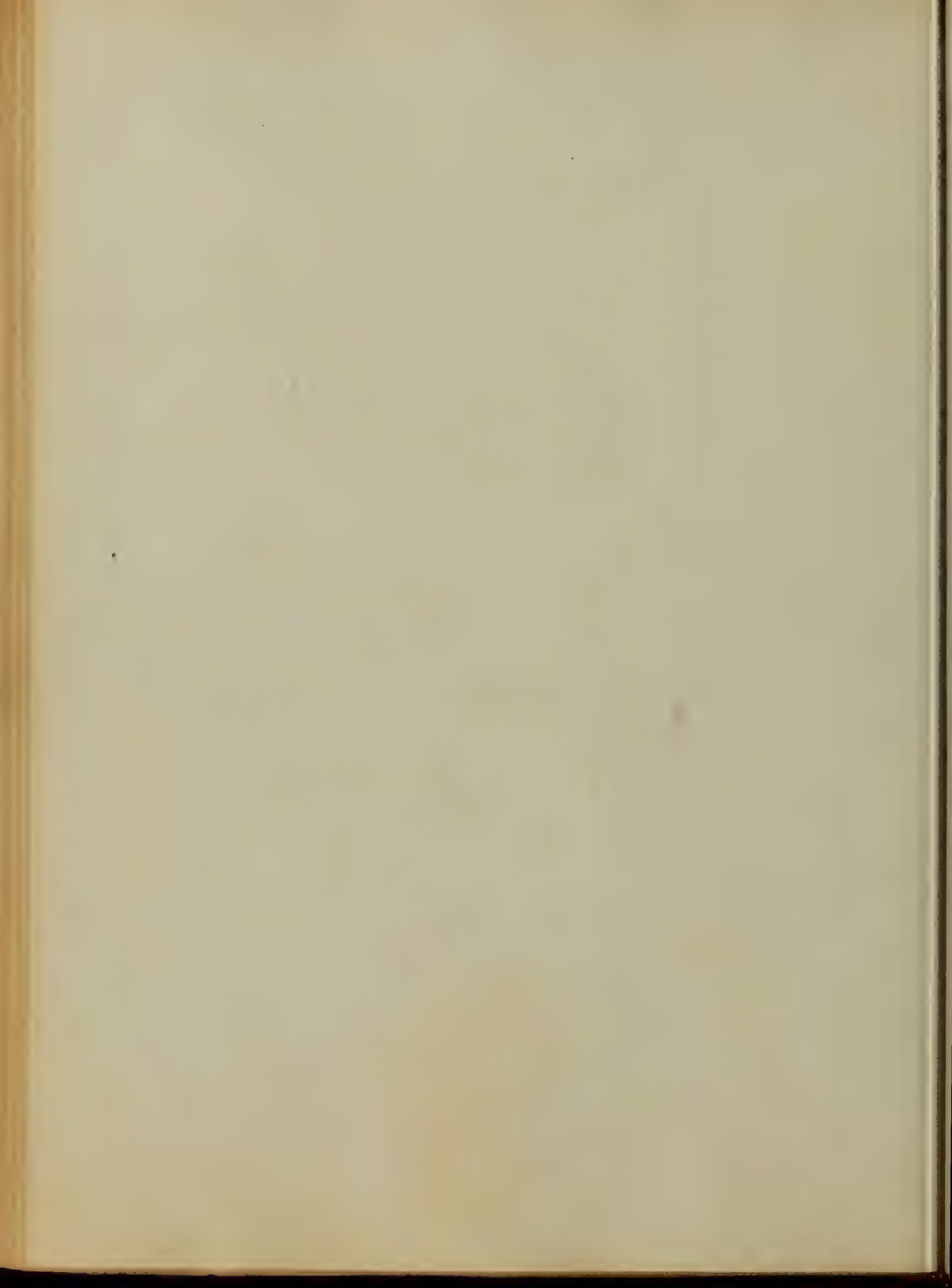
Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text appears to be a medical or scientific note, mentioning terms like "quantity", "daily", "fever", and "arrested".



The patient is very weak
and has lost a great deal of
weight. He is unable to
take any food, and has
lost his appetite. He is
very nervous and restless,
and has a great deal of
trouble in sleeping.

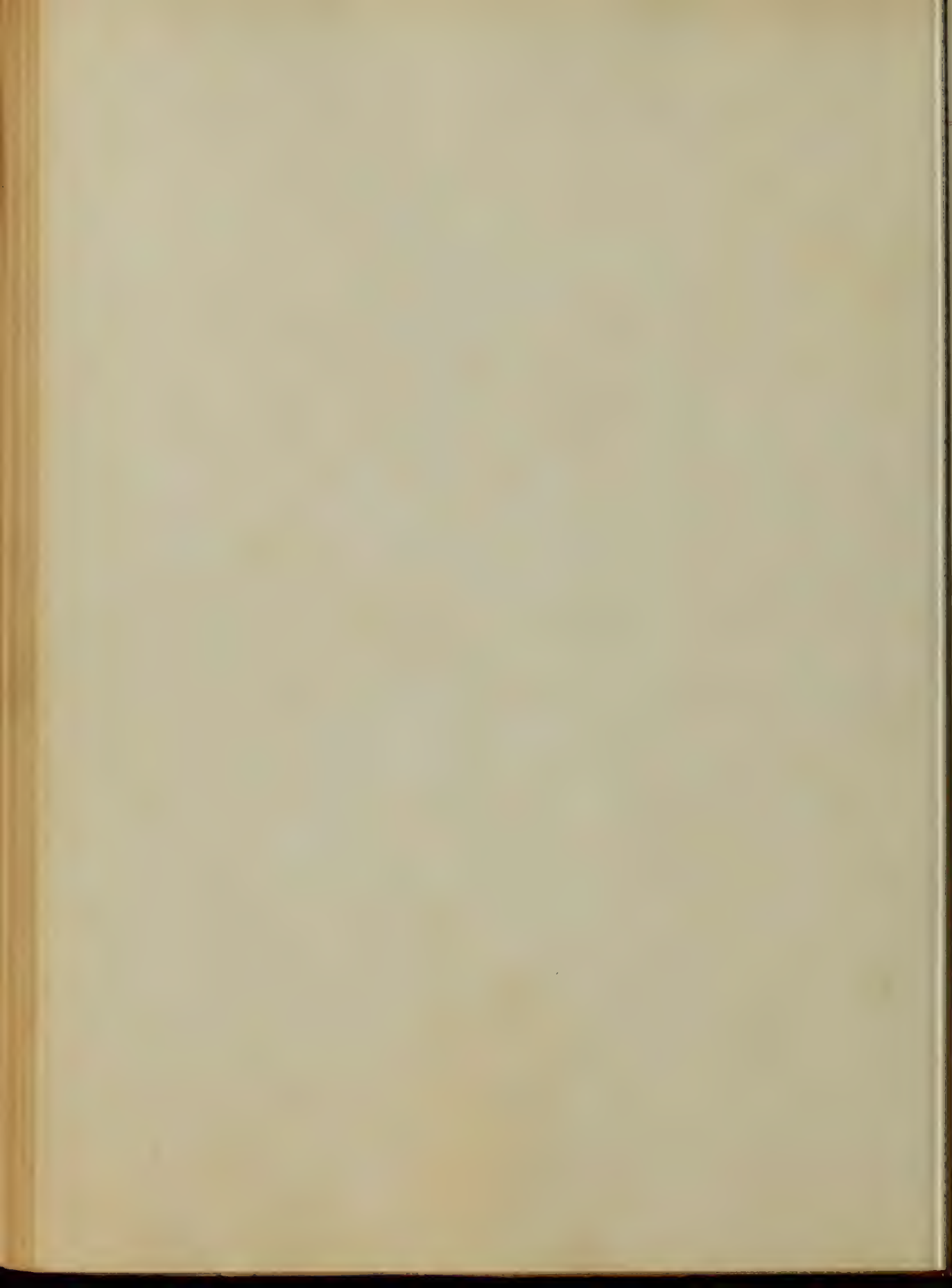
The patient is very weak
and has lost a great deal of
weight. He is unable to
take any food, and has
lost his appetite. He is
very nervous and restless,
and has a great deal of
trouble in sleeping.
oyster soup, and similar articles,
the most delicate and nourishing
nourishment as he can possibly
digest.

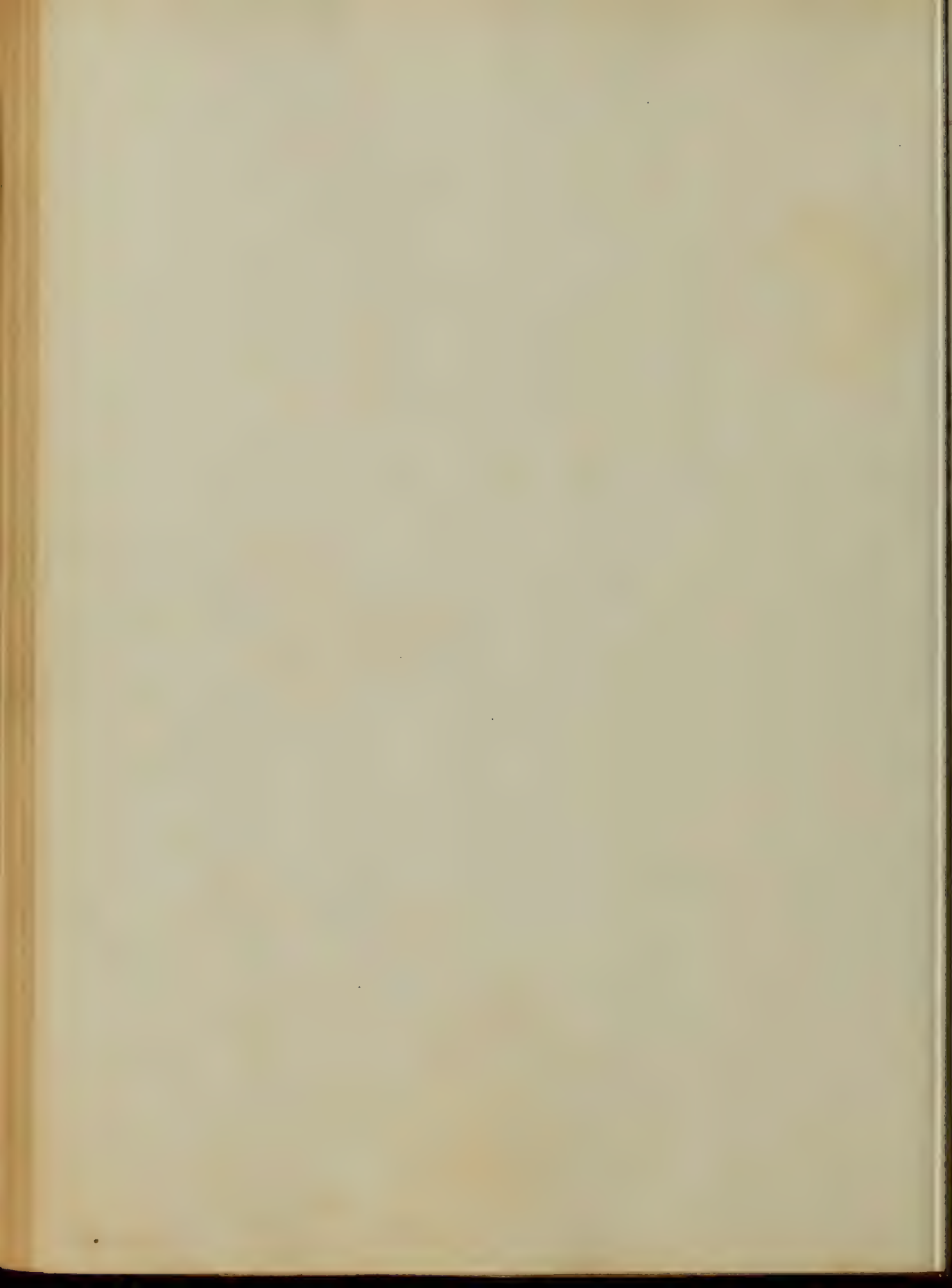
In almost every case, stimulants
are required. The same of food



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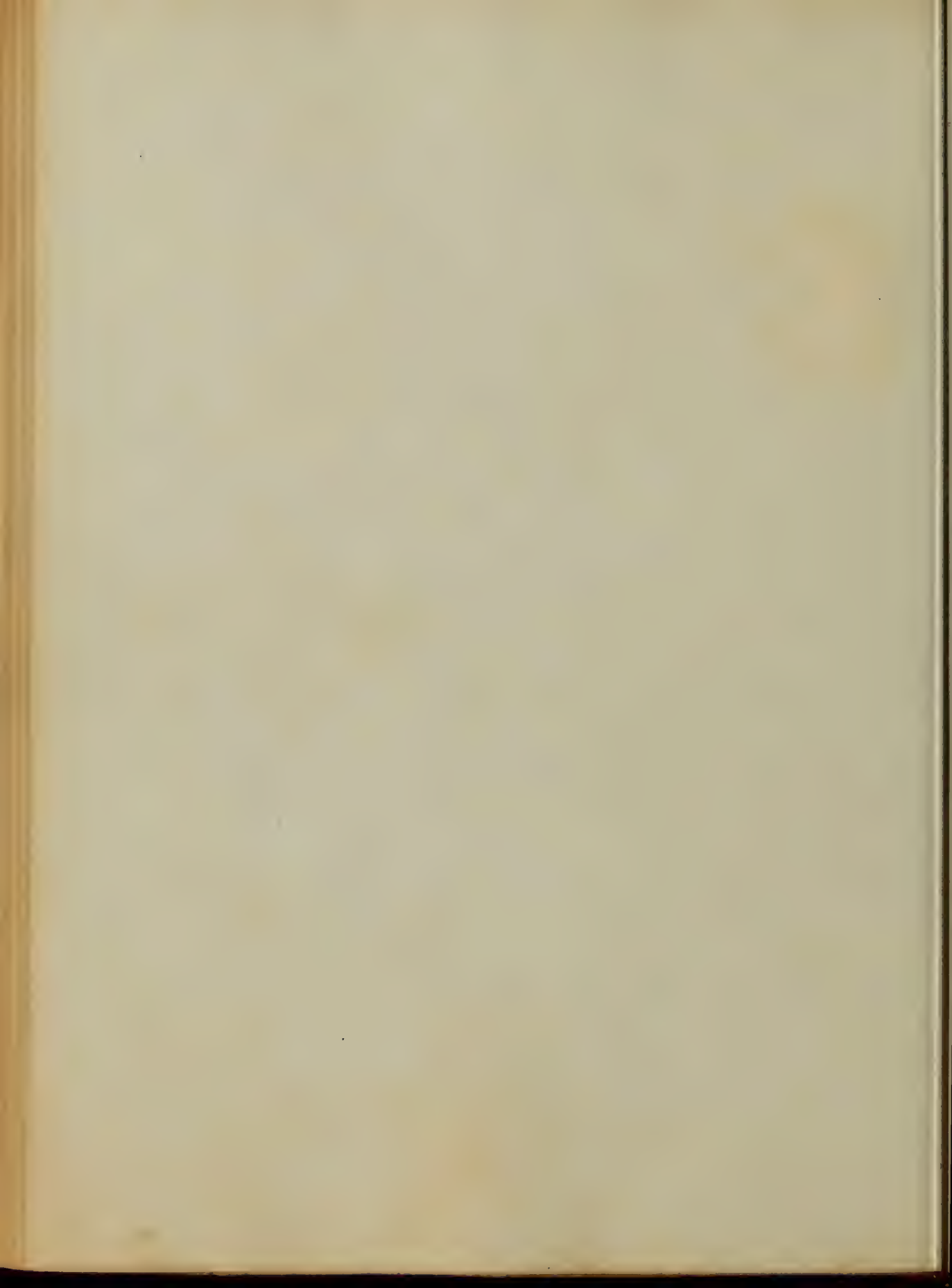
Rube facient and sinopimus,
appear in the ...
...
controlling the nausea and ...
... They may be, also, applied
over the regions of the kidneys,
with good effect, when these

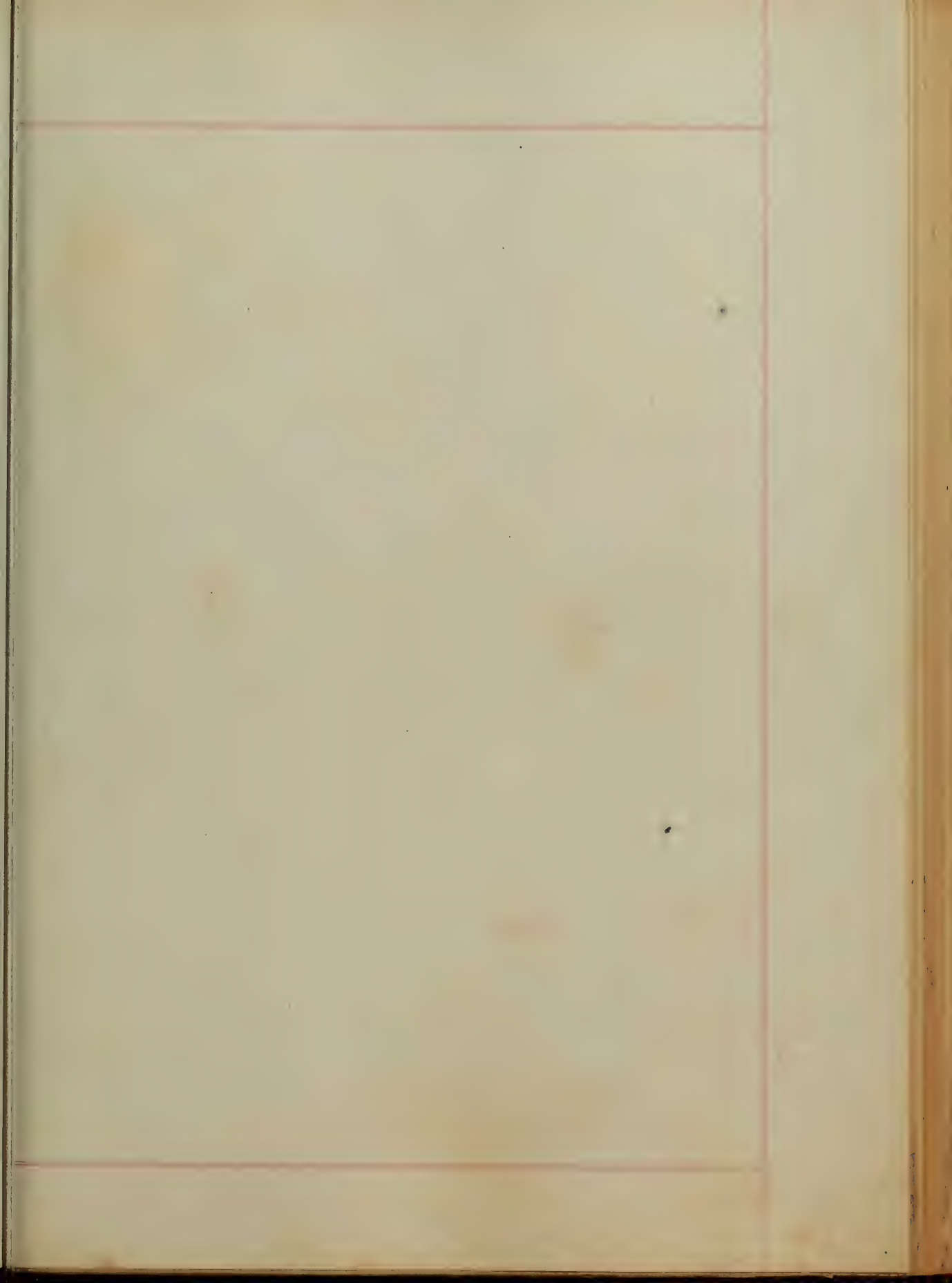




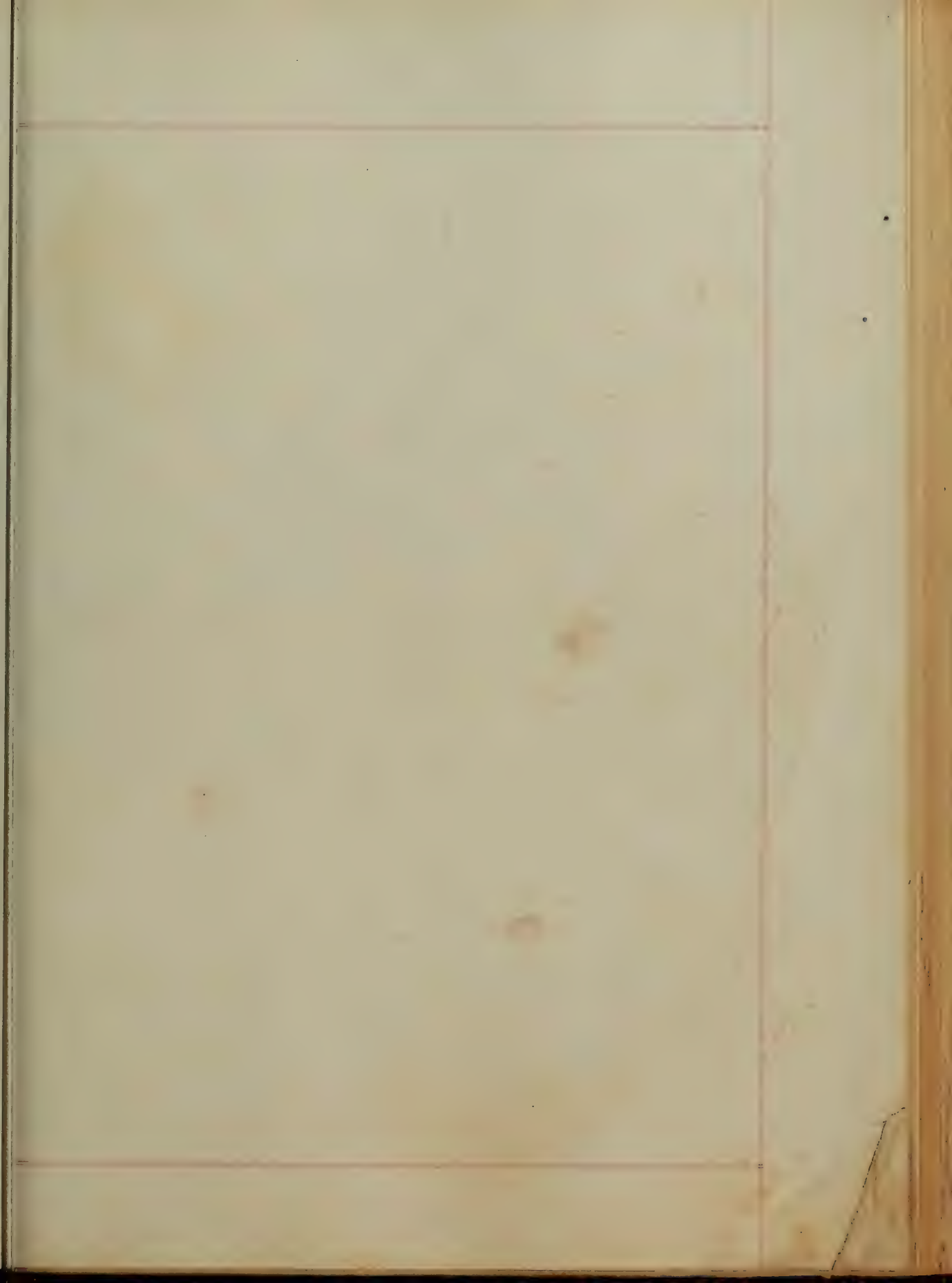
The patient has been very
weak with some of the
symptoms of the disease.
He says he is not
interested in anything else,
He says he is not
out overdressing the patient,
get into him more than enough
of the essentials to save him. I
will, however, see to it.
It is a matter of
The patient should take, for

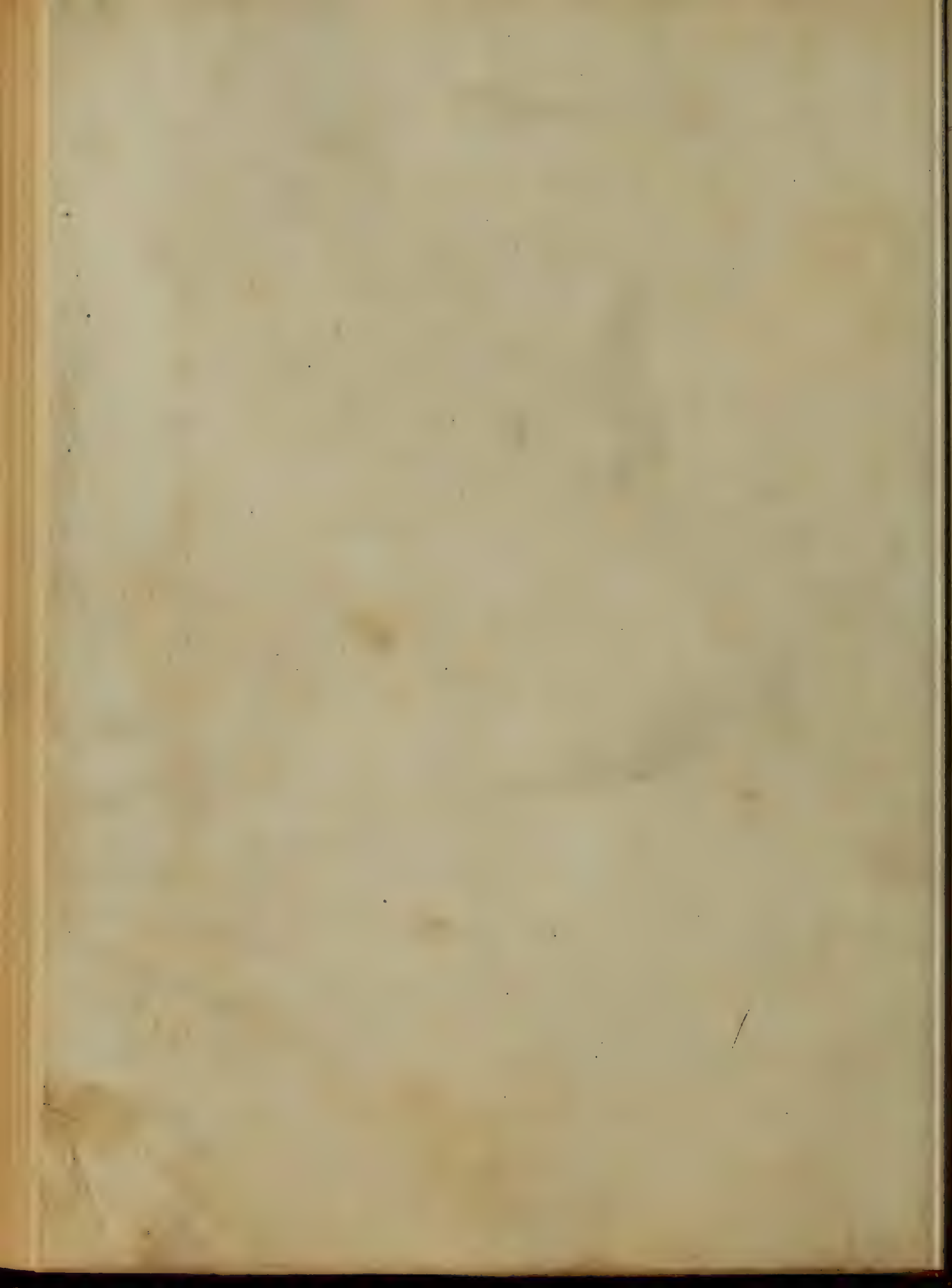
at least a month of
Lence, ^{has commenced} Quinine, Strychnine,
and Iron as a Tonic.





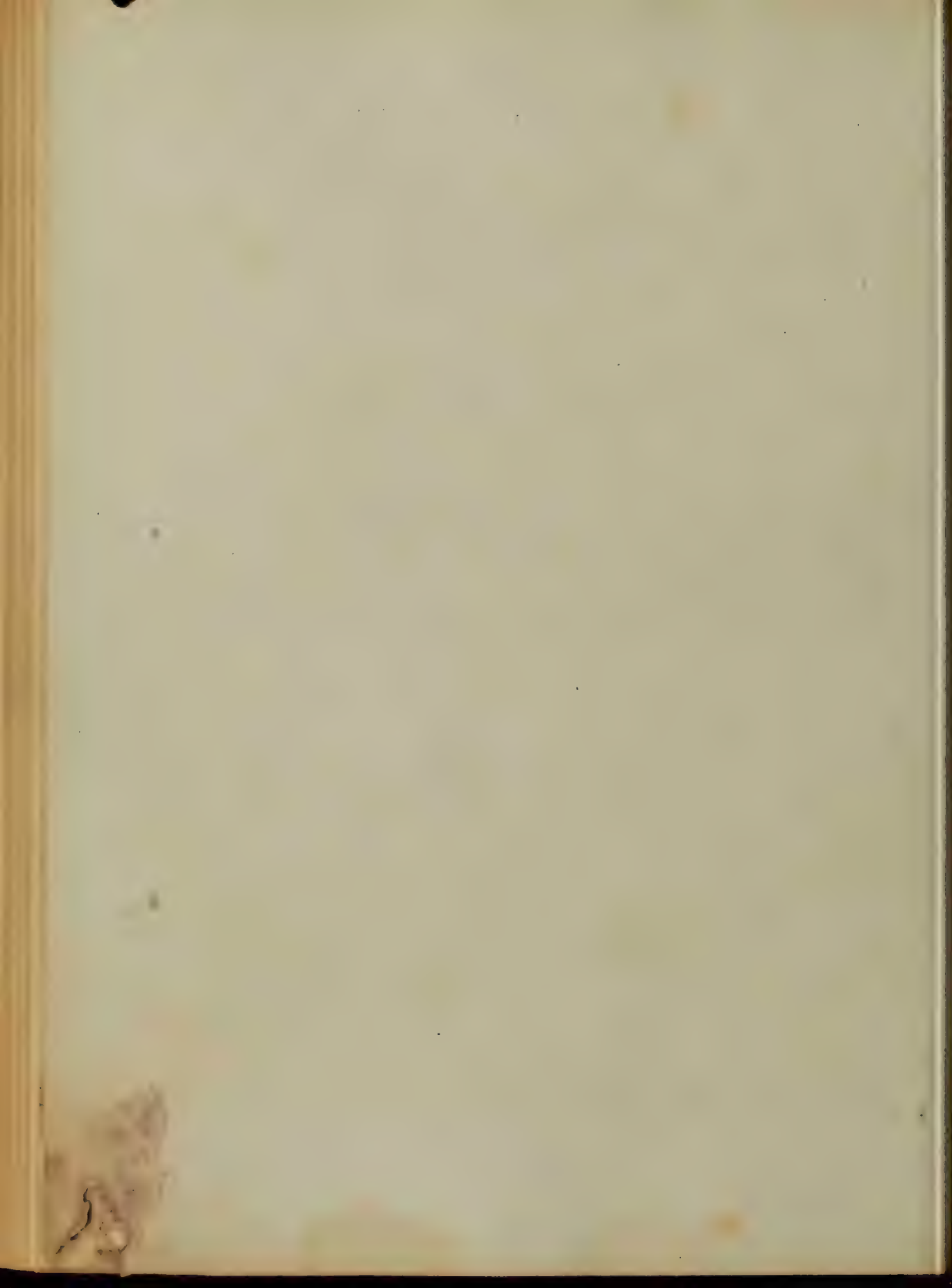






An
Inaugural Dissertation
On
Pneumonia
Respectfully Submitted for
Examination to the
Provost Regents and Faculty of
Physic of the
University of Maryland
for the
Degree of Doctor
of Medicine
By
Ezra S. Traylor
Fort Worth
Texas

January the 24, 1875.



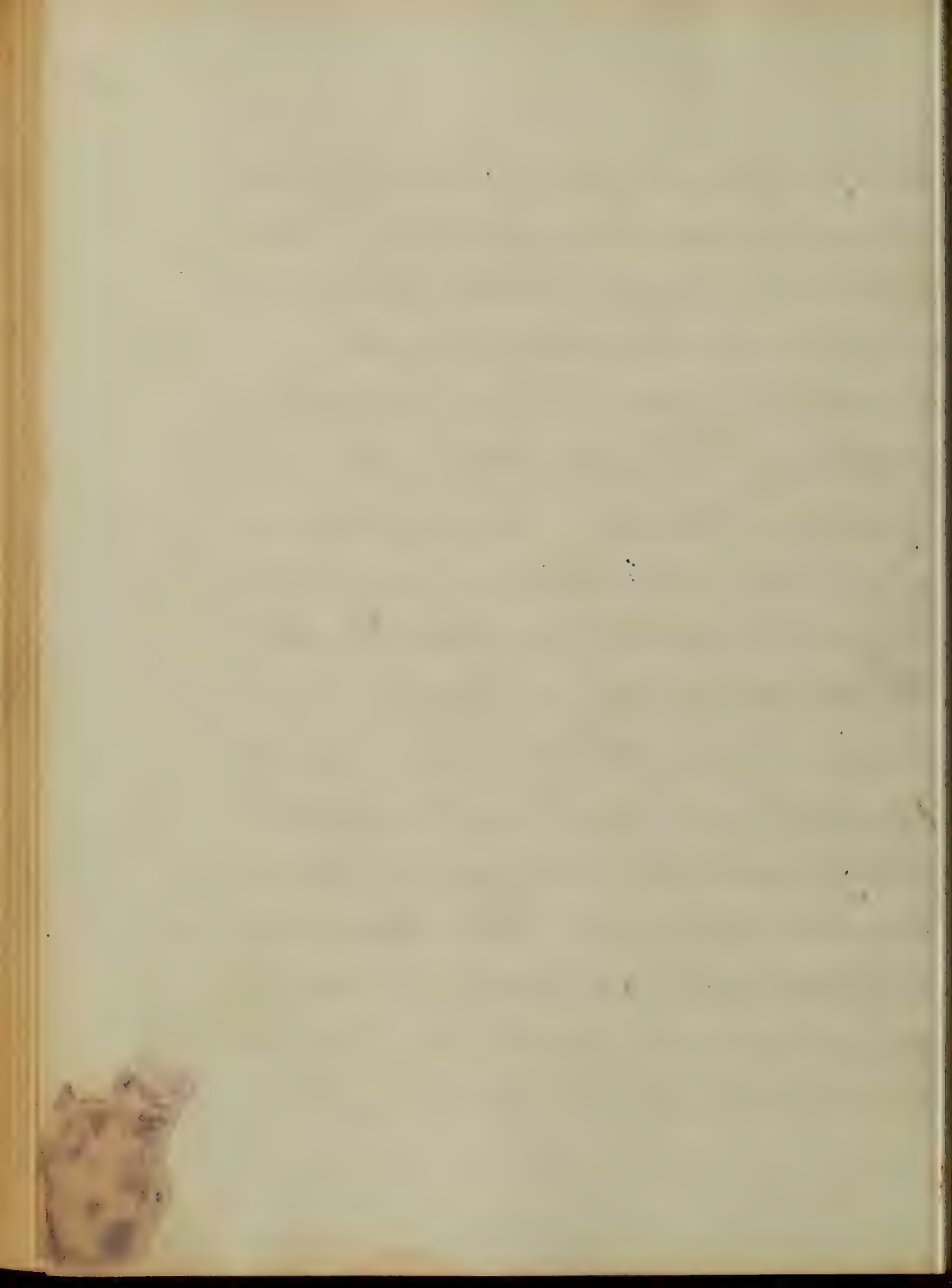
To the Professors of the University of Md.
It is with pleasure and respect I
submit the following. I claim no right
on the score of originality.

I have,
chosen for the subject of ^{my} thesis
one which is well understood and whose
nature and phenomena are agreed upon
by all authors of eminence.

Acute Idiopathic
inflammation occurring ^{in the} ~~in~~ ^{the} healthy
adult is what I propose to treat.
I make the distinction because there
are many circumstances which modify
materially the whole character of
phenomena and my intended essay
will not permit me to go minutely



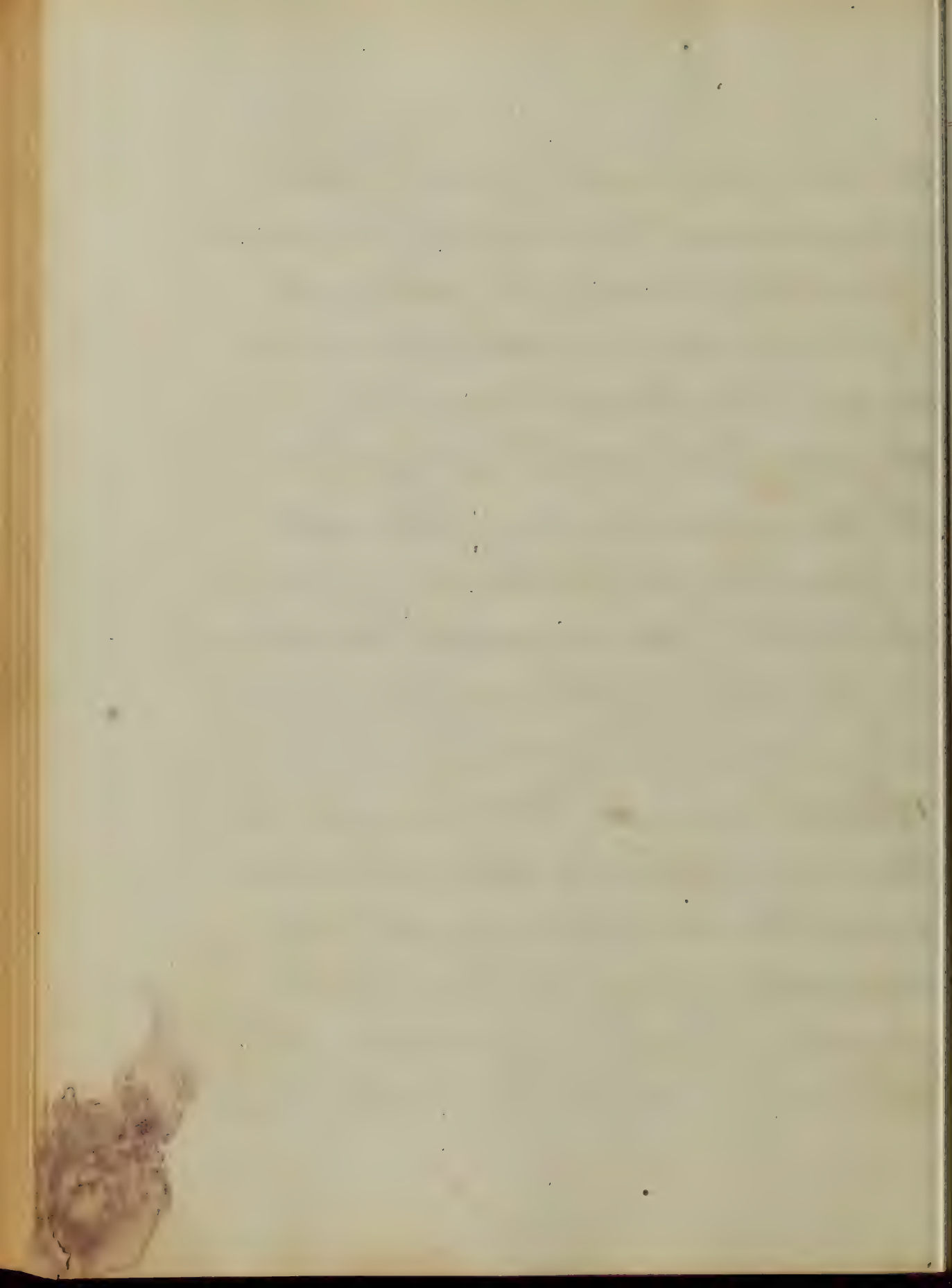
in the different forms & complications.
Pneumonia is characterized by Inflammation which affects the air cells, vesicles, and terminal bronchial branches constituting parenchyma or substance of the lung. These air cells, and terminal bronchial branches have membranes different from the mucous membrane which line the larger bronchial tubes. The air cells and terminal bronchial branches form the lobules connected together by the areolar tissue constitutes the lobes in which the two lungs are divided. When Pneumonia is not developed with other pulmonary disease, it usually affects an entire lobe, and this stage is called: Lobar



Pneumonia, When the inflammation is limited to a part of a lobe. it is distinguished as circumscribed pneumonia
Acute Lobar Pneumonia is characterized by an abnormal accumulation of blood, active congestion and engorgement constituting the first stage of pneumonia or the state of Engorgement of the lungs. In this stage the lung is reddened dense. but not consolidated, it floats upon water and there is a serous liquid exudis upon pressure air penetrates its vesicles also crepitates upon pressure this condition last only for a short time and passes in the second stage or state of hepatization or consolidation



this is characterized by ^a greater state
of ingorgement and congestion, exudation
speedily follows and there is a
lyuid escapes from the blood, enters
the air cells, where it becomes coagulated
the cells become extended by the fluid.
the air cells no longer contain air
or float on water the lung becomes
solidified. If the progress of the disease
be favorable the exuded fluid is
soon removed by absorption
After the removal of the exudation the
air cells return to there normal
condition and their function and
capacity is fully restored. If the
progress be not favorable the
third stage or state of suppuration

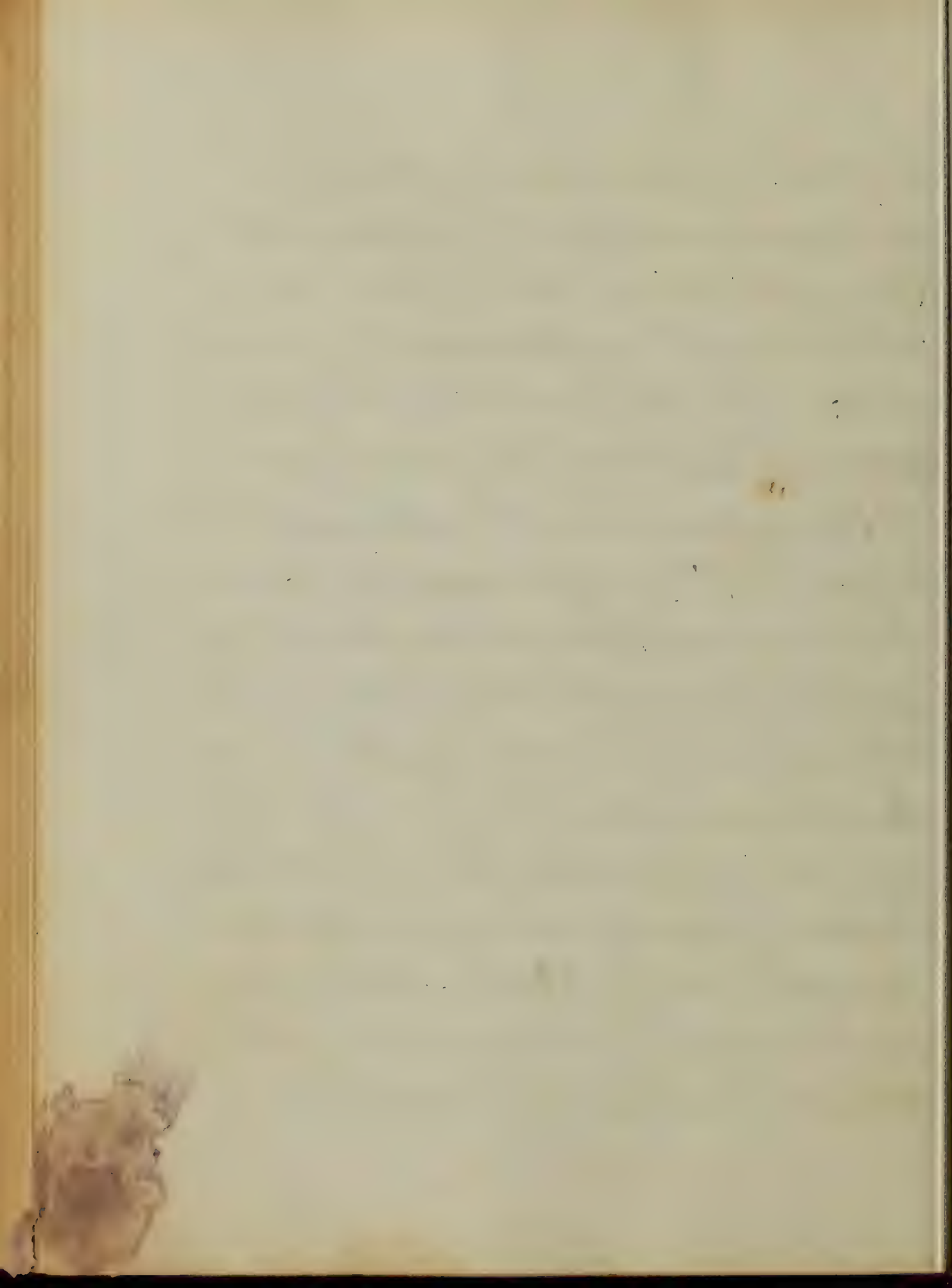


or that of purulent infiltration
sets in, characterized by a greyish
color of the lungs, absorption does
not take place of the morbid product
within the air cells and the lobes
are infiltrated with fibrin & pus.

If the suppuration be circumscribed
it constitutes a pulmonary abscess

Pneumonia attacks in the great ma-
jority of cases the lower lobe and
the lower lobe on the right side

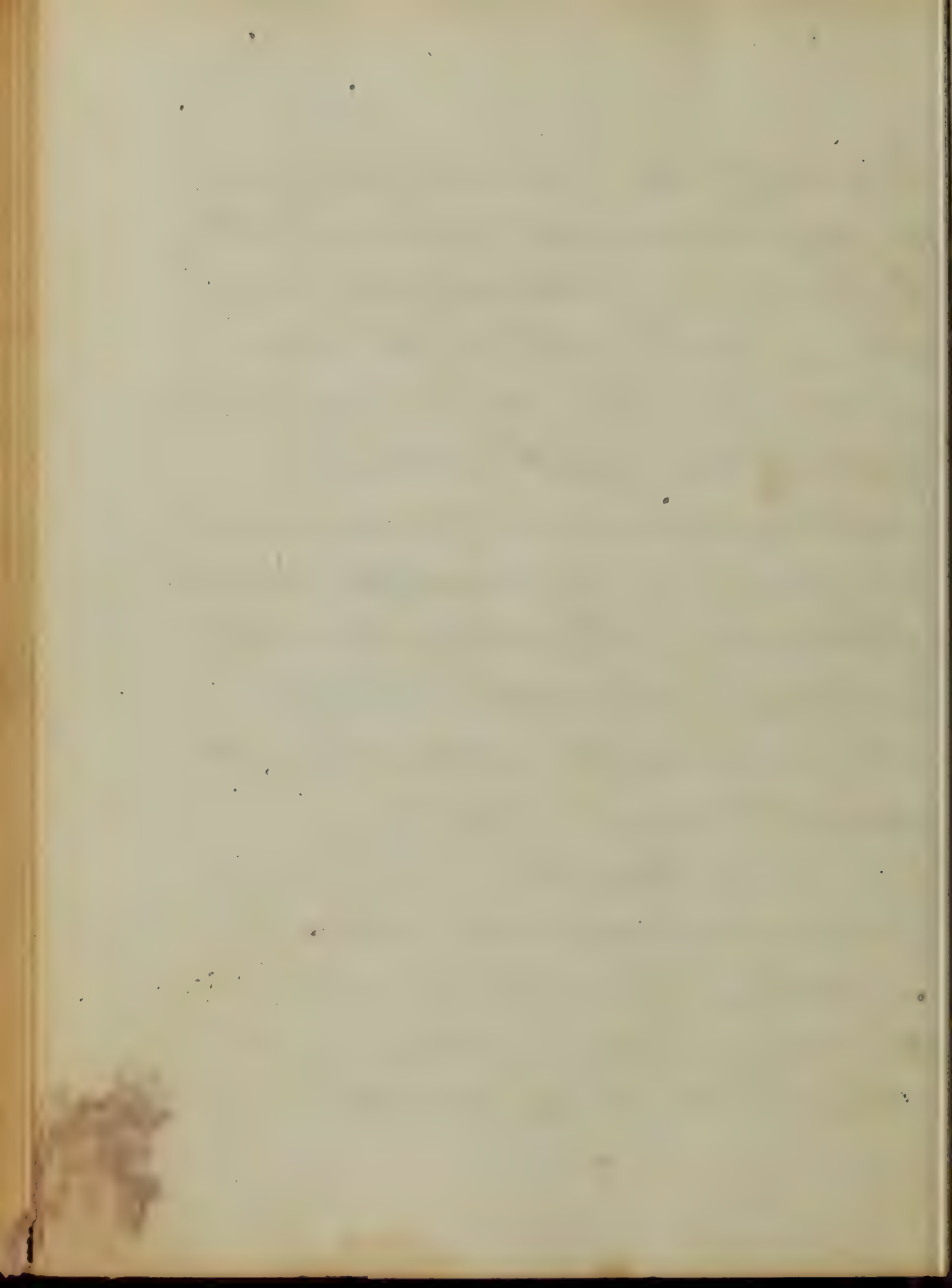
This disease, never, or very rarely ever
affects or attacks two or both lobes
simultaneously when ever two lobes
are attacked it is the seat of a
new invasion It may attack one
lobe and successively another lobe



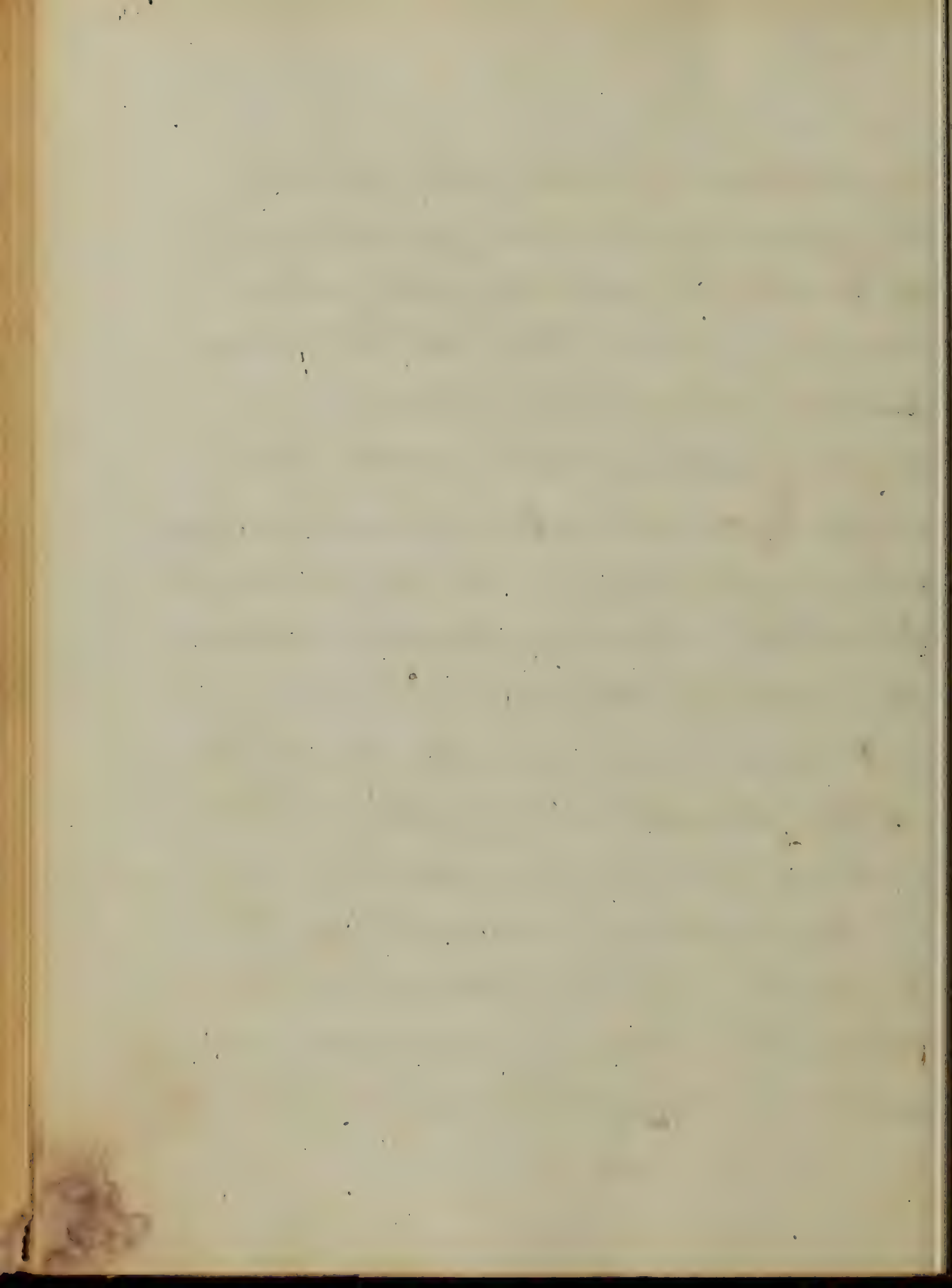
may be affected or there may be affected
a single lobe on either side, and ^{on the} entire
lung may be affected and a lobe on the
other side constituting double
pneumonia. When there is a distinct
spot or lobule affected it is termed
Lobular Pneumonia. Abscesses are
very common - it is usually the result
of Bronchitis, Capillary Bronchitis
is the name given to this variety of
disease, when pus is deposited in the
minute bronchial tubes.

Symptoms

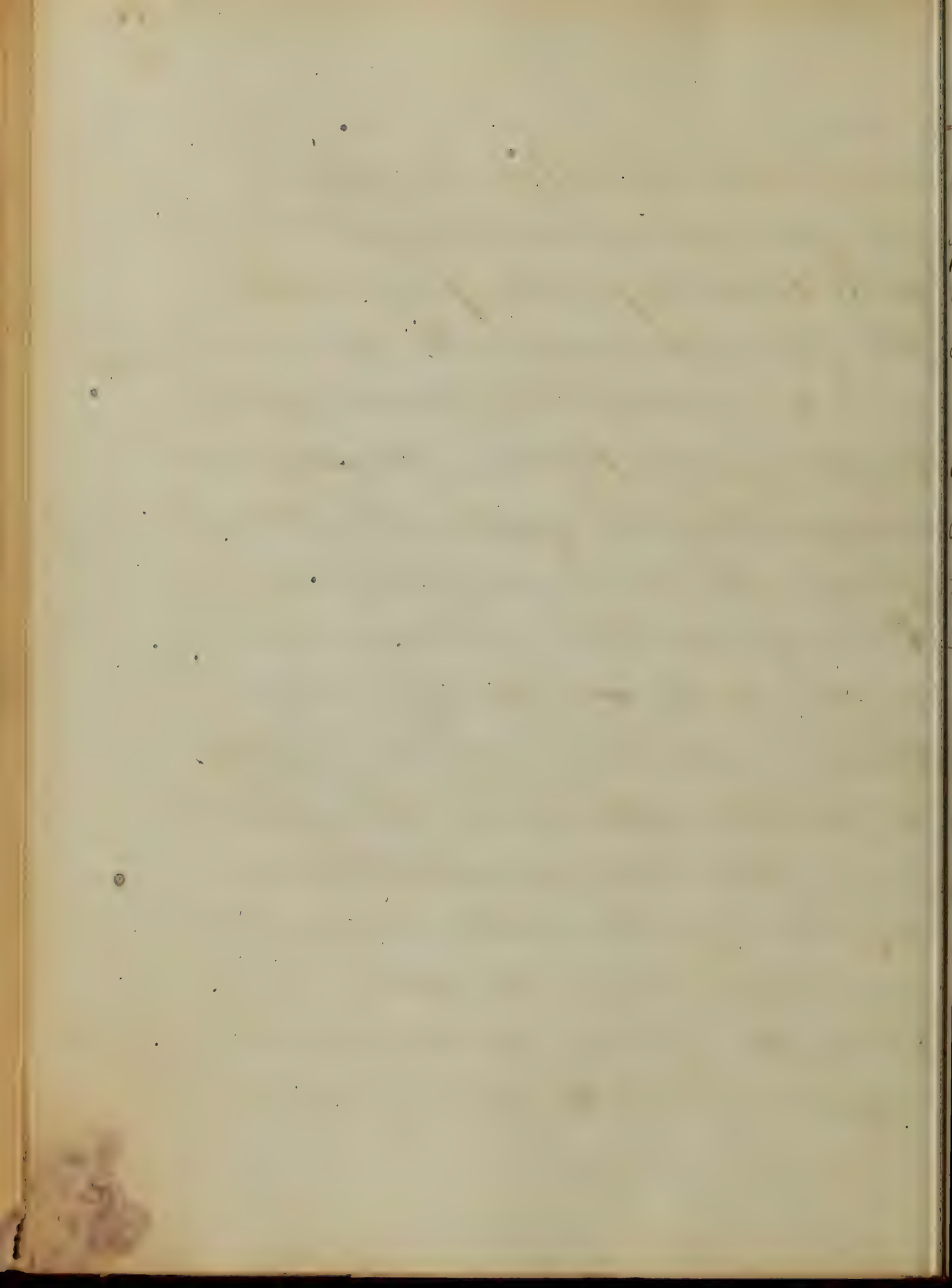
I shall give now a few of the most
important signs and indications
that may be presented in each
stage. In the 1st stage or that of



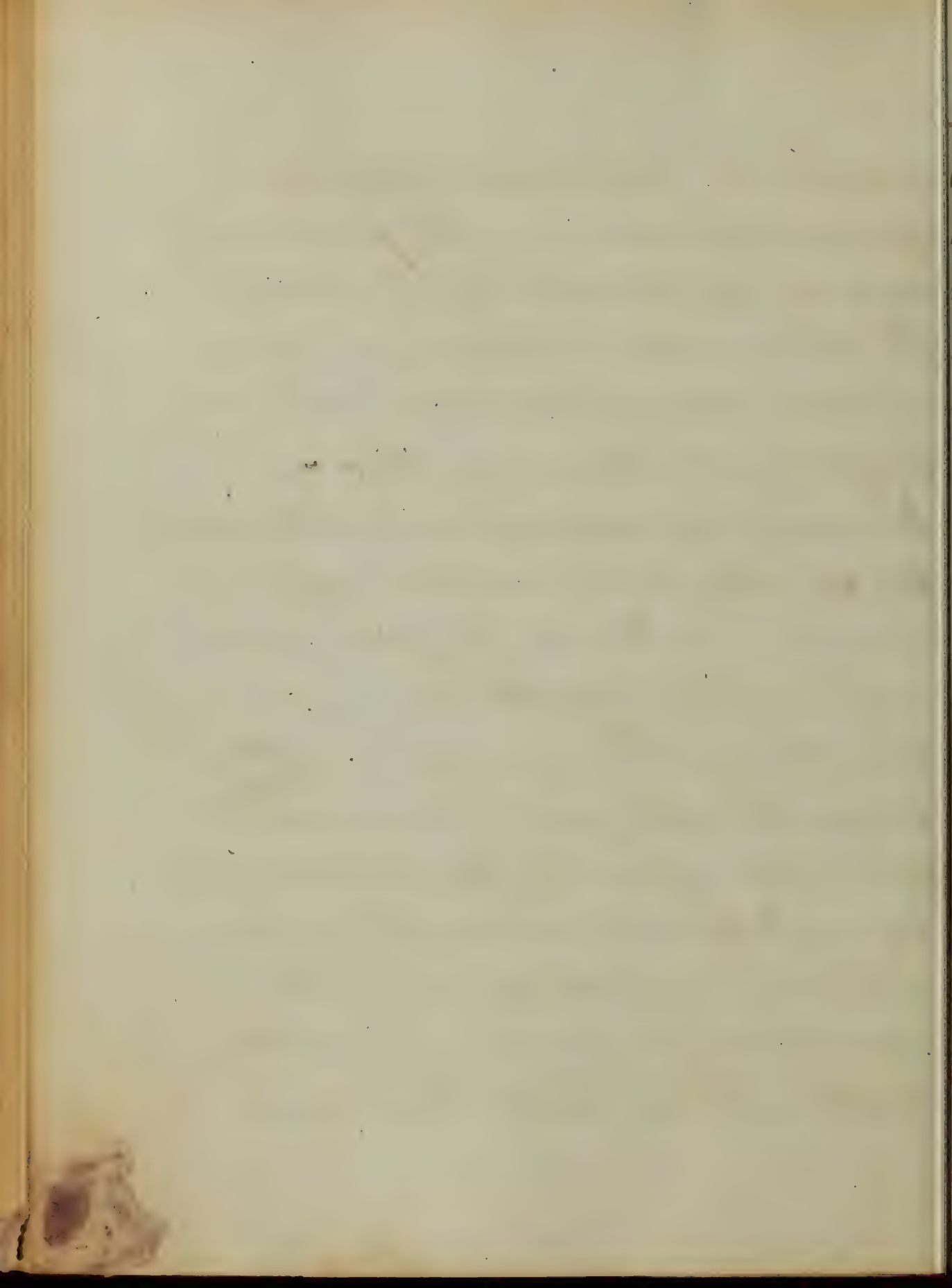
Engorgement or congestion duration
being very short it soon passes into
the 2^d stage or that of hepatization
or consolidation. When the lobes have
become solidified by ^{an} inflammatory
exudation it is said to be in the second
stage or consolidation; duration may
three or four days; the stage's crisis
Resolution begins in some cases of con-
solidation in twenty four hours
If the disease passes in the purulent
stage; death will be the result.
If the disease be favorable it will
be many days or weeks before the
lungs are returned to their natural
condition Pneumonia always commences
with a well marked chill associated with



rigors coincidently or soon after ^{falling}
by pain which may be seated at or
close to the nipple, this pain is due to
the pleuritic infusion, The thermometer
rises to an increased temperature of the
body, although coldness may be present,
being a subjected symptom Cough soon
follows after invasion, with more or
less expectoration which is viscid
and scanty and at certain stages
assumes a character which is highly
distinctive of the disease, the sputa
becomes semi-transparent, adhesive,
and has a red tint and is commonly
called Rusty Expectoration
When the blood is dark red colored
it gives rise to the prune juice



expectoration Febrile movements are present at the invasion The pulse varies according to the intensity of the disease The thermometer in mild cases stands at 98.6° , when it goes beyond this it denotes great severity of the disease There may be a sudden increase of temperature this denotes that a new lobe may be invaded. In the 2nd stage the febrile movements and symptoms undergo some what change. The febrile movements are diminished, the pulse becomes weak and small, especially if two lobes be affected owing to the obstruction of the pulmonary circulation, which diminishes the quantity of blood coming from the lungs by the right ventricle. Pain ceases

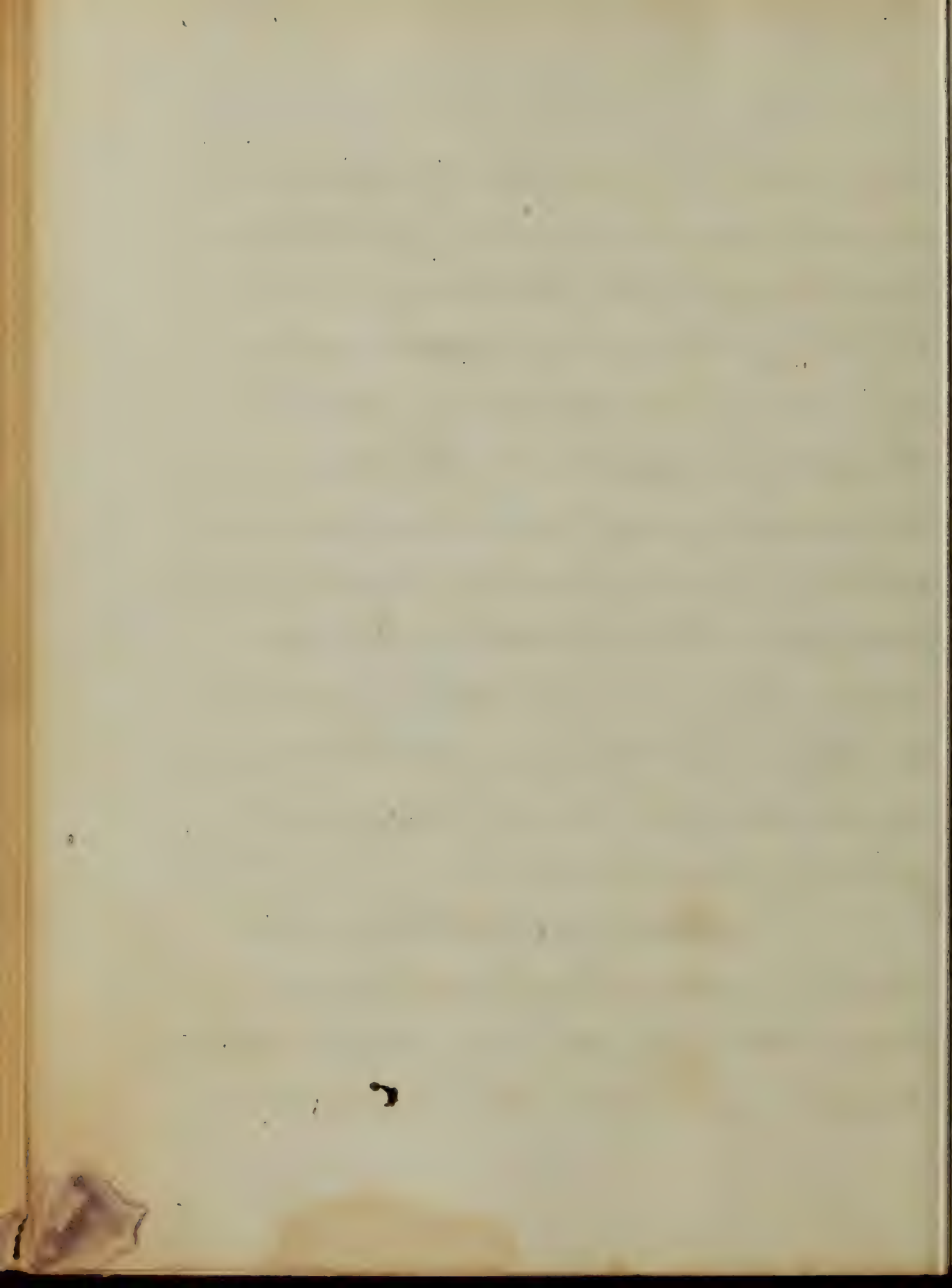


expectoration is more abundant it is now the expecto-
ration of Bronchitis it is furnished by the mucous
membrane of the bronchial tubes When resolution
sets in respiration decreases the pulse becomes
much slower the cough and expectoration gradually
lessen; finally disappears febrile movements
subside; however if it enters the Third stage
the disease generally pursues an unfavorable
course respiration increases pulse becomes ac-
celerated the patient grows weak and pale
and soon that cold and calm moribund comes
on and claims its own; in spite of all; and
takes ^{the} suffer home Delirium very often oc-
curs in pneumonia; it may be mild
owing to febrile movements sometimes
it may be quite active and the patient ^{becomes}
restless it may be of a low matter ^{ing} type

Such as occur in typhoid fever, it is always accompanied when the upper lobe is affected. There may be complicated with the disease symptoms characterized by a malarial poison, this complication is most important in regard to therapeutical application. This disease may tend to interrupt the periodical paroxysm and the latter may tend to obscure the symptoms of the pulmonary affection. There are certain prominent symptoms expressed as Typhoid Pneumonia the latter being the disease the former being only a primary complication.

Pathological Character

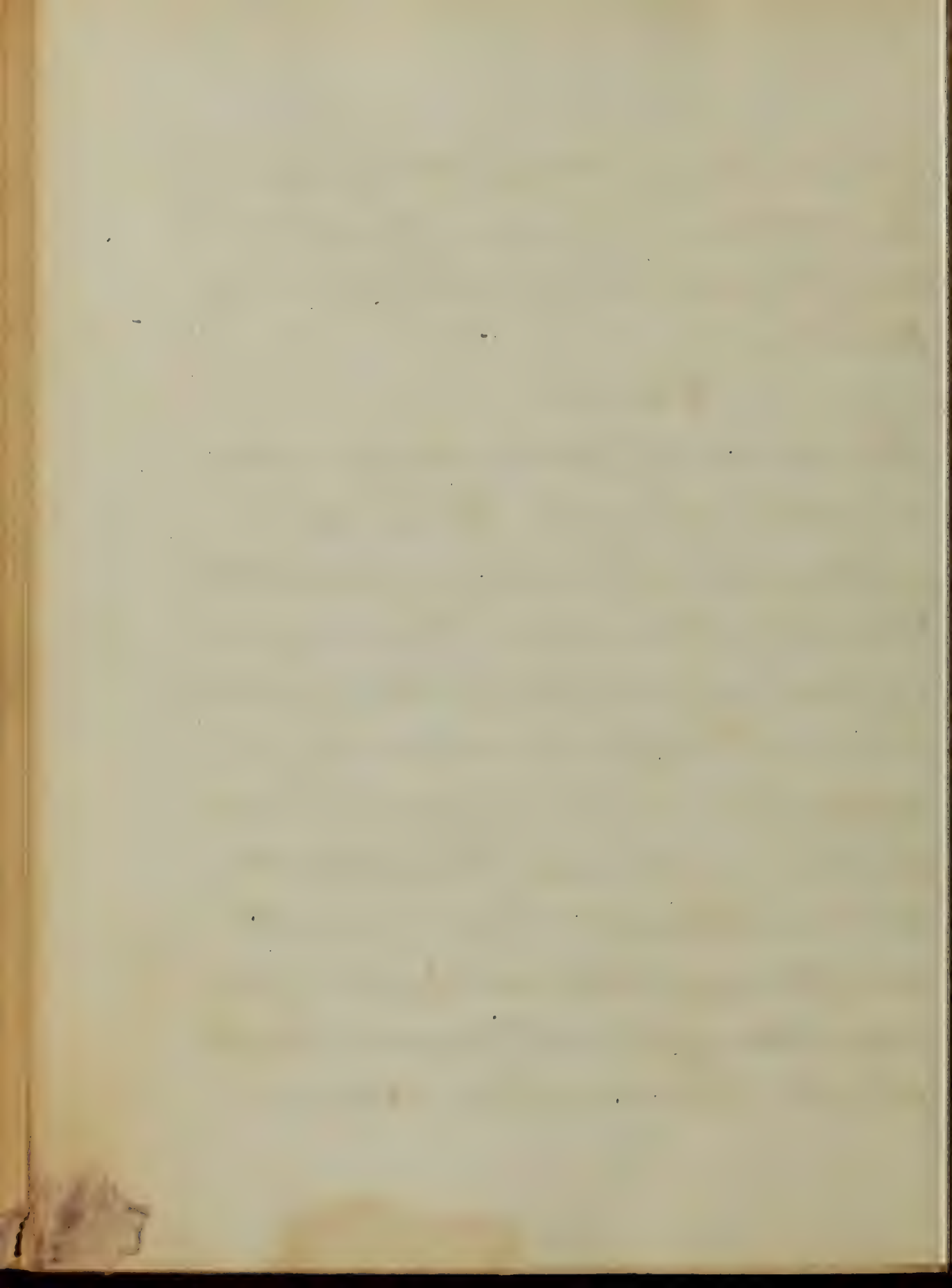
Pneumonia {acute} affects the mucous tissue of the lung, this tissue differs altogether from that which lines the bronchia & tubes



both in anatomical composition and function
Exudation rises in Pneumonia from the blood
circulating in the branches of the pulmonary
Arteries,

Cause

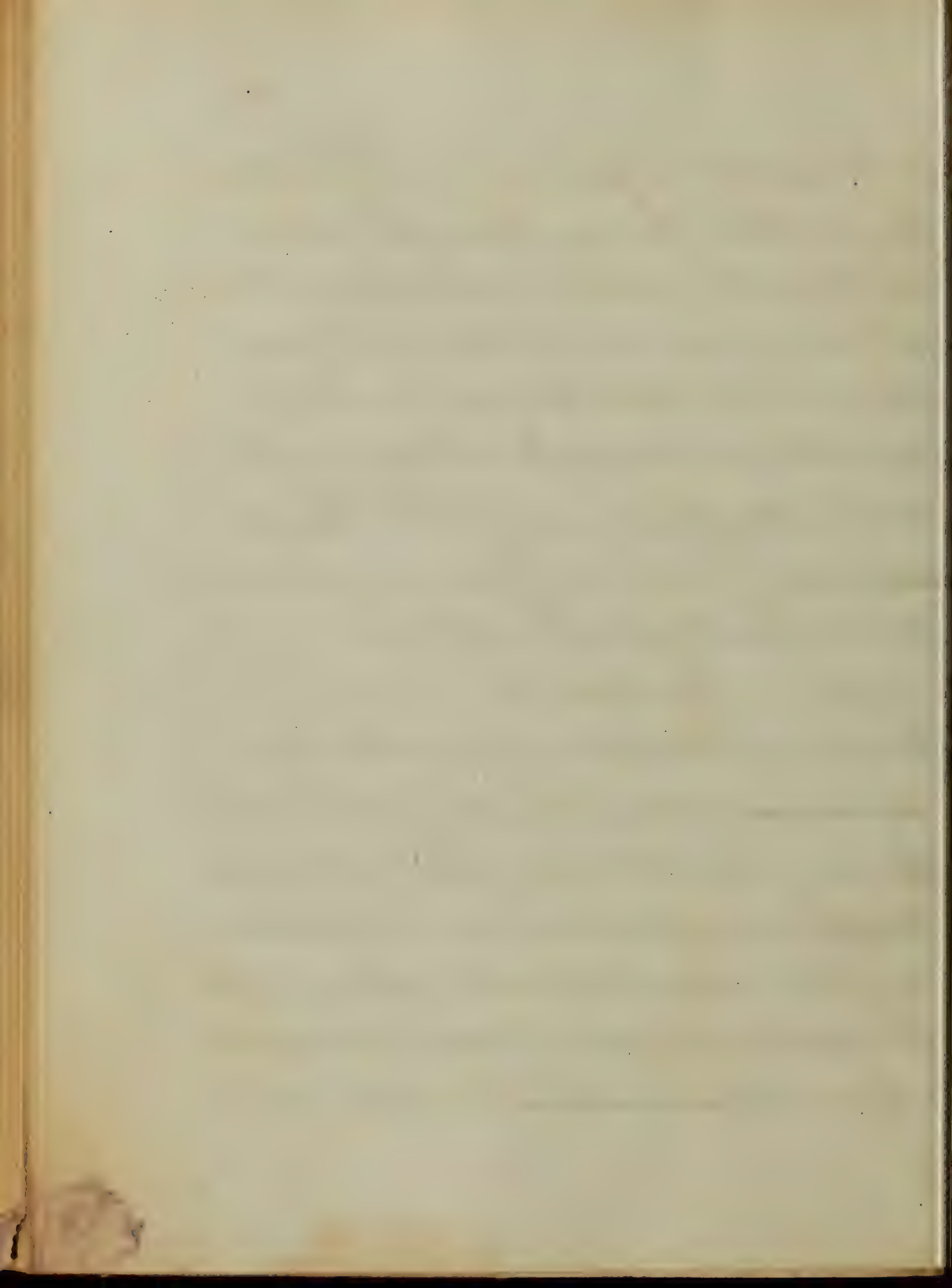
This is due (strictly speaking) to exposure; and
vicissitudes of weather. There is no period
in life which may ^{be} exempted from a notable
proximity of this disease. There is no path-
ological connection between these affections
Pneumonia and periodical fever so far
as causative influence pertaining to other
pulmonary diseases. Bronchitis does
not tend to evacuate Pneumonia neither
does Pleurisy. Typhus and Typhoid fever
may be among the most frequent comp-
lication Pneumonia is more common



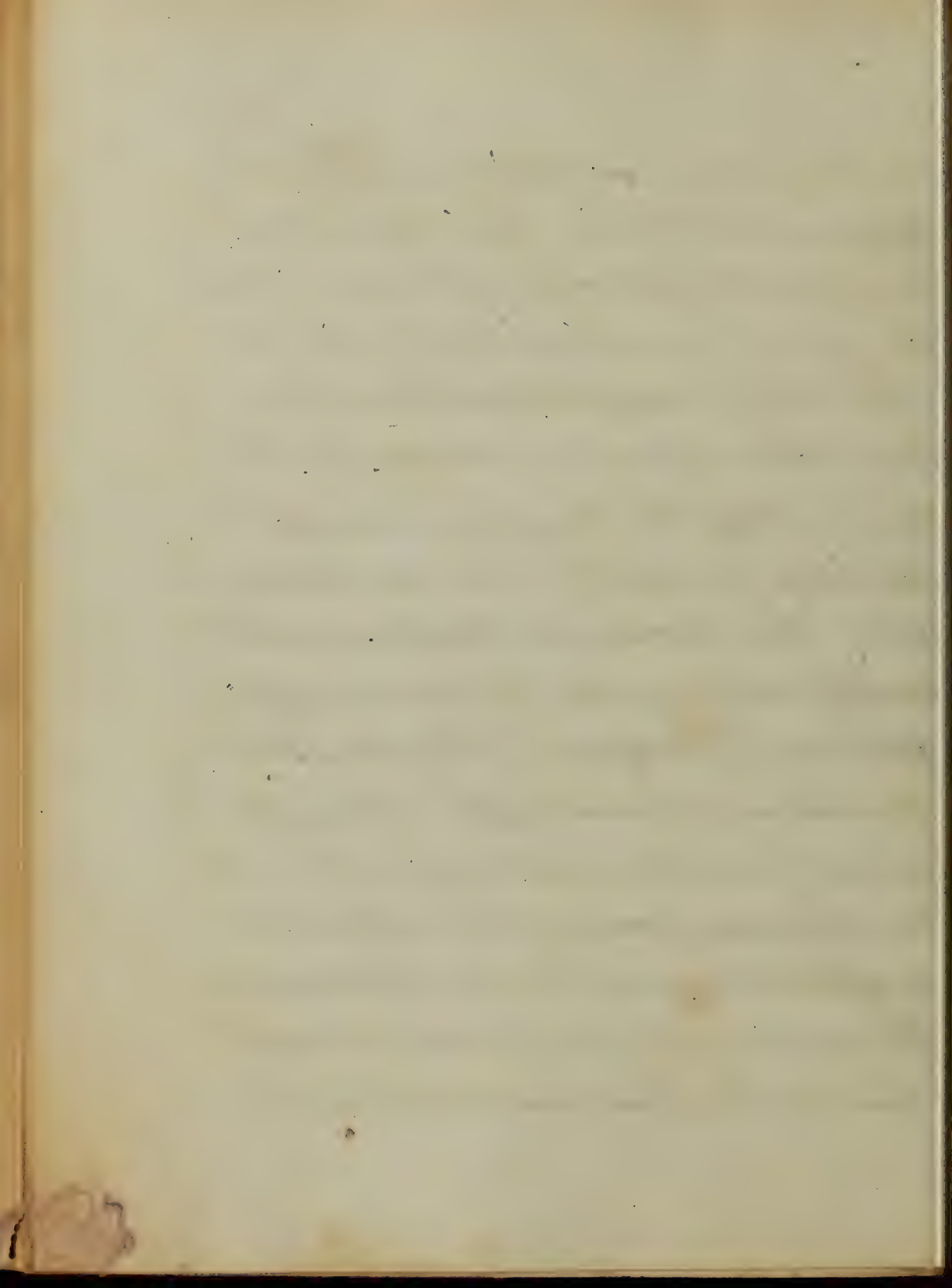
In the Southern States, it is emphatically
the prevalent disease during the winter
months in these States and may be con-
sidered at times an endemic. It is more
severe at the South than at the North
where it has a tendency to attack more than
one lobe and often proves fatal. The internal
cause and source of Pneumonia we are not
able to understand. Hint

Diagnosis

There is symptoms in Pneumonia at certain
stages which are highly distinctive with
the aid of Physical signs. The first signs of
diagnosis is slight dullness on percussion
and the crepitant rale especially if there
is a rusty sputum. It may be only abs-
ent on deep inspiration. It resembles that



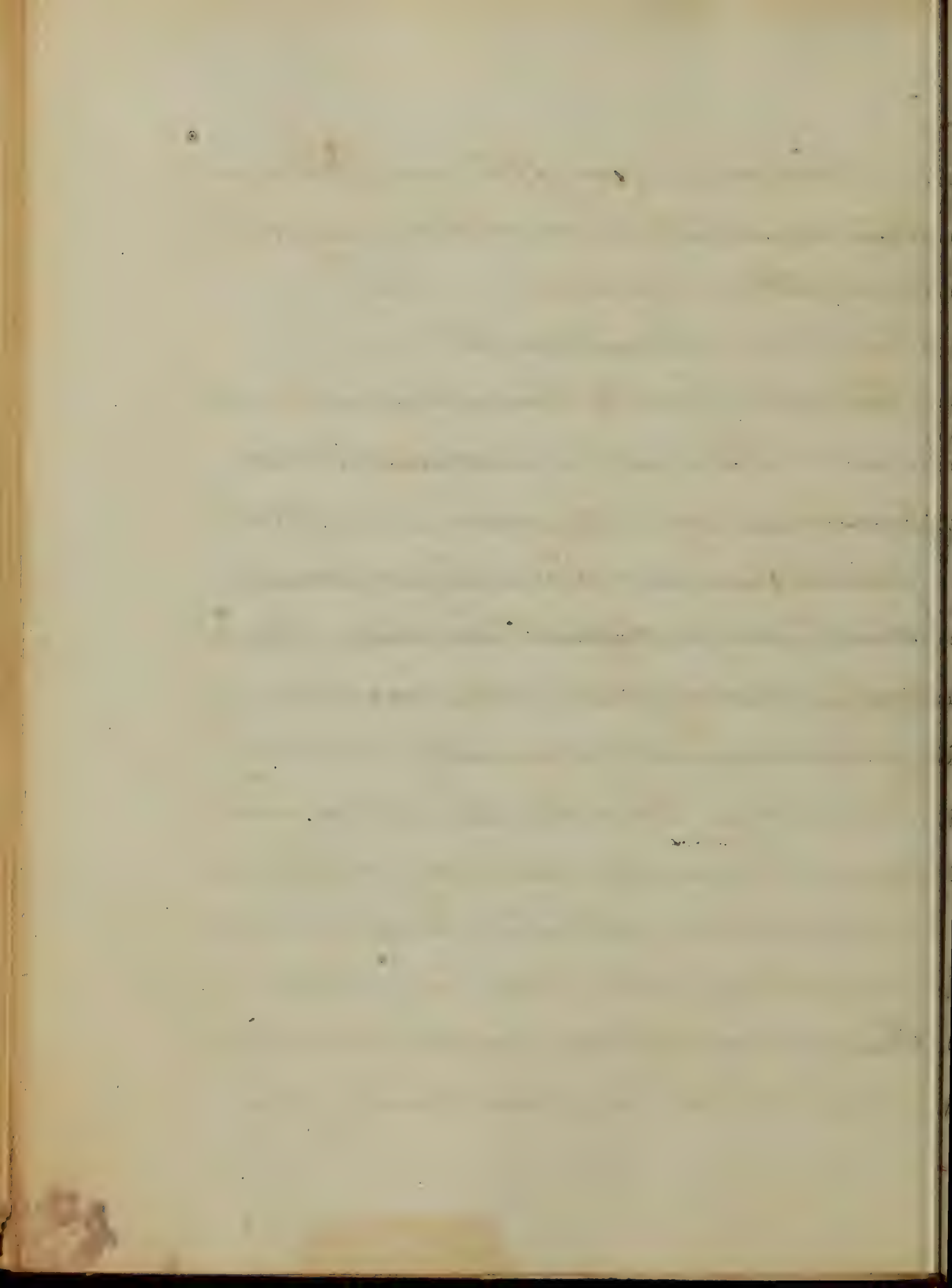
noise by rubbing a lock of hair between the
fingers close to the ear. This rale indicates
Engorgement whilst it exist it denotes that
the disease has not passed out of the first
stage The Sub-crepital is the moist rale
heard both in Expiration and Inspiration In
the 2^d stage the diagnosis is rendered clear
and easy by solidification and Subcrepitant
rale Then the disease continues in the
3^d stage dulness and flatness are still
present (Prognosis) Prognosis in this
disease will depend on the extent of lung ^{involved}
and its connections and complications It
hardly ever proves fatal unless it is
complicated or more than one lobe involved
The unfavorable symptoms are febleness
hurried respiration profuse expectoration



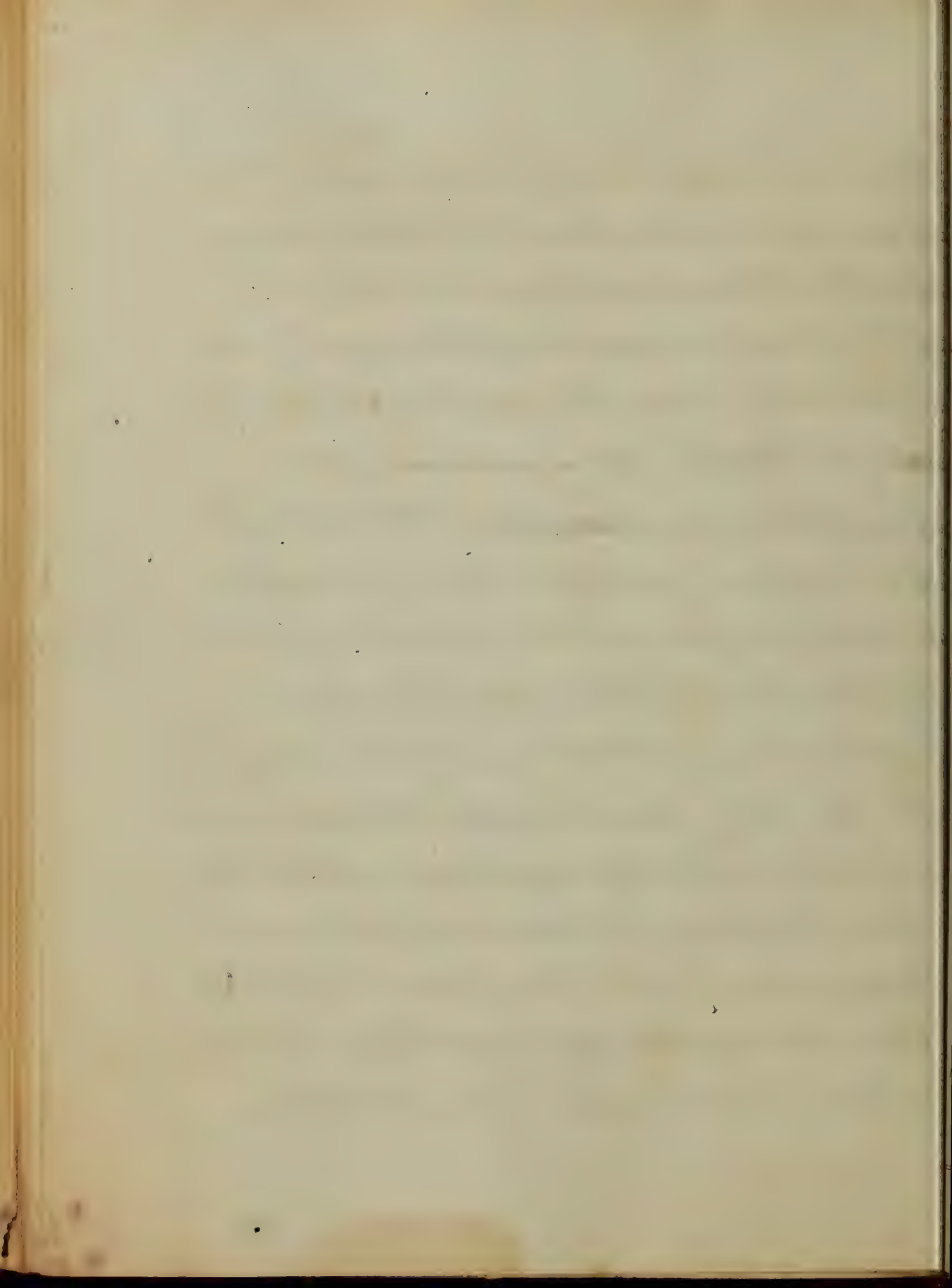
Active and violent delirium. The tendency to pass into the chronic form is slight There is no tendency to relapse.

Treatment

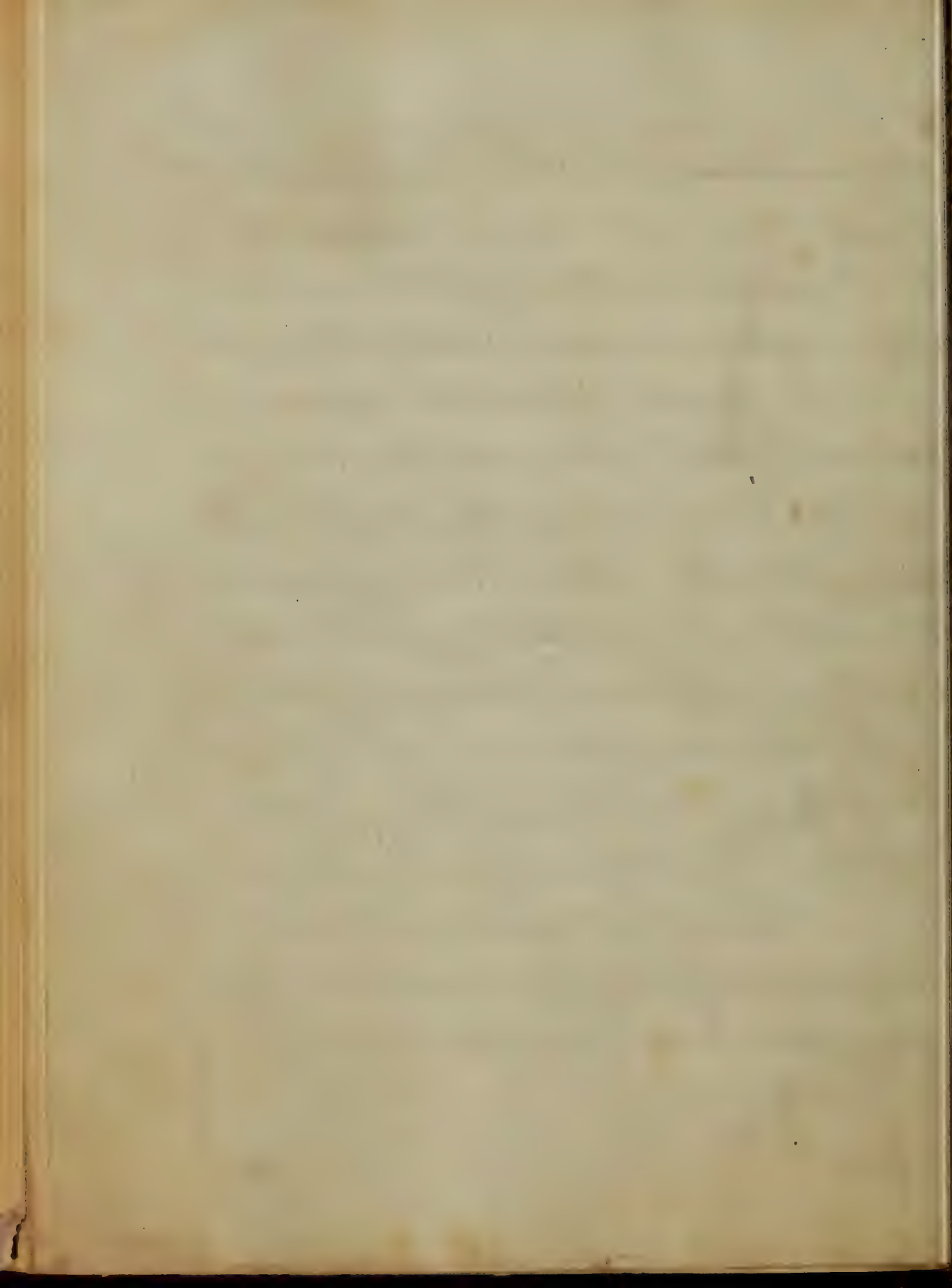
The first object of treatment, in Pneumonia is to diminish the intensity of the disease to relieve symptoms and to place the system in a condition to tolerate the disease. Each stage of Pneumonia must have a different therapeutic applic ation and indication and each stage is to be considered separately and treated accordingly. Bloodletting is admissible in some cases where there is high febrile movements as a palliative. The condition of the patient should be always be investigated. The most warranted circumstances in which it is to be employed is a pulse denoting power.



of the heart's action and febrile movements. It
often relieves embarrassments of breathing acme-
diately. Opium may be given in the first
stage to relieve pain and to tranquilize the
system. Also. Aconite may be given as a sed-
ative. Blesters are injudicious ~~in~~ on.
Lomentation may be applied to the seat of
pain. Opium given after a saline purgative
at intervals often meets the indications of the 1st
stage. Treatment of the 2^d stage has reference
to promoting resolution and supporting
the system. Mercury and the Antimonials
are not ^{shown as} ~~to be~~ ^{used} ~~in~~ ^{as} they have
any tendency to diminish inflammation.
Iodine may be used as a Counter Irritant.
Opium is a valuable agent in this stage. It does
no harm if it does no good. It does not delay



the commencement or retard the progress of the disease Aconite Tartar Emetic's Ferat. rum. Viridi may be given in this stage for febrile movements Supporting measures must adopted if there is failure of the vital powers such as tonics and Stimulents and nutritive diet Drugs do harm when used injudicious as much so as they do good when used judiciously. Alimentation is an essential part of the supporting treatment. If the disease proceed to the suppurative stage supporting measures sometimes successfully can be employed. Having embodied all the prominent points of Pneumonia in my Thesis I will now bring it to a close and will respectfully submit it to you for your kind consideration



Thesis
on
Syphilis.
By
James Brown.
175



Syphilis.

Introduction.

Syphilis belongs to the class of diseases termed infectious - which has the following characteristics: - 1. It possesses a morbid poison, which is capable of transmitting the disease from one individual to another. 2. The immunity which one attack generally affords against a second. 3. A period of "incubation" during which the virus remains latent in the system giving no evidence of its

1845

Received of the
Honble the Secretary
of the Treasury
the sum of \$1000
for the year 1845

Done at the City of New York
this 1st day of January 1845

1845

1845

existence & the somewhat regular order in the evolution of the symptoms. We will now consider each of them in the order named above.

1st Syphilitic Virus. — The existence of this poison was once questioned, but experience has proved that it does ^{exist} beyond a doubt. It is true that our senses cannot detect it, we only are made cognizant of its existence by its effects.

2^d One attack affords immunity against a second. — Syphilis resembles other diseases which are both contagious and con-

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stitutional in this respect, that
a person is indisposed to
contract it a second time
It was once thought, and is
still by some, that it differed
from the above mentioned
maladies in the following: that
it observed the law of unicity;
but Ricord & Siday have
shown this to be untrue, for
whilst a person having had
a chancre may never have
another, but still it is possi-
ble. Siday has collected twenty
cases to prove the above. He
draws the following conclusions
from a consideration of this



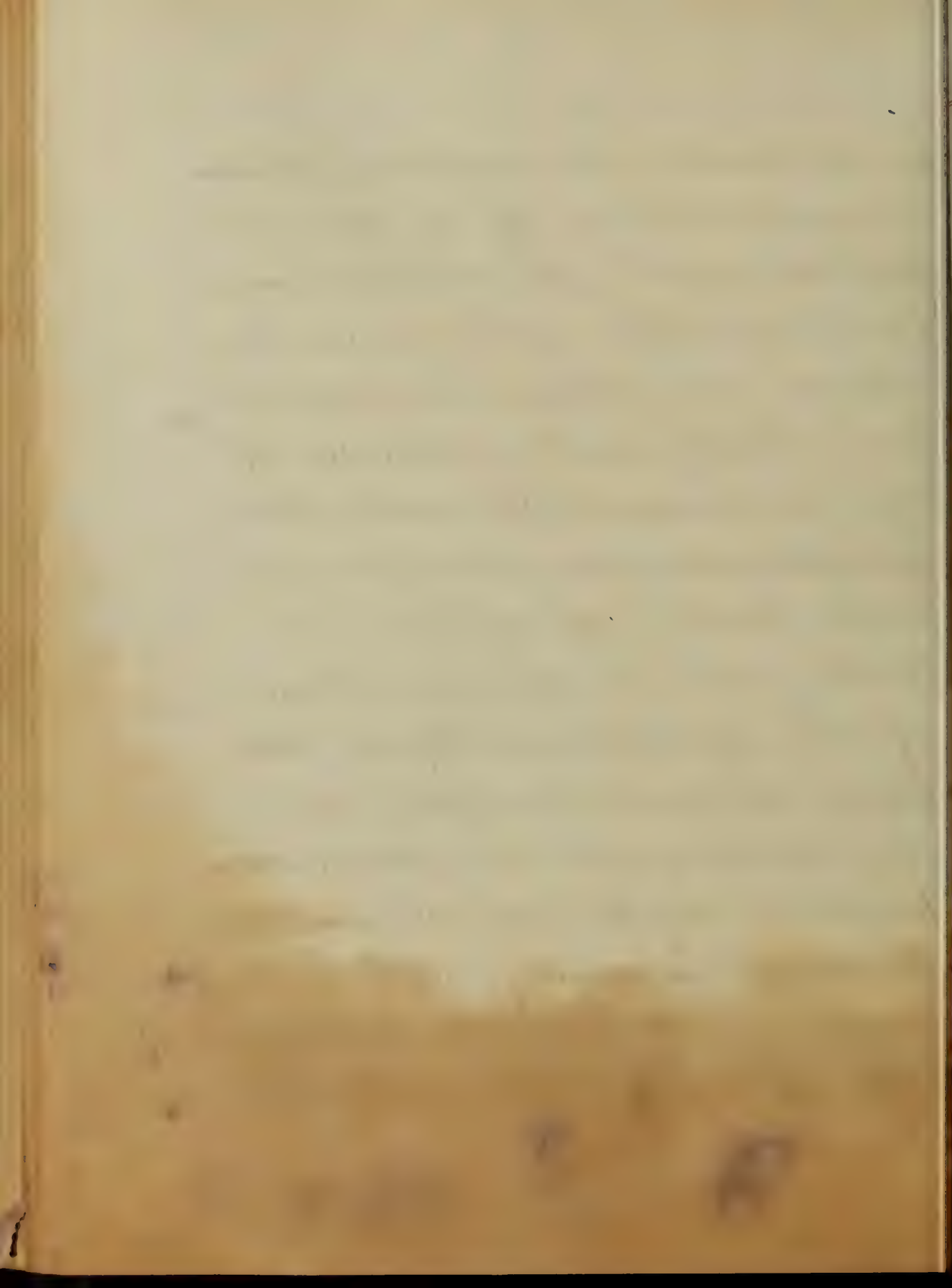
subject. 1st The reinfection of a man who has had syphilis proves that he was cured of it at the time of the second infection. 2^d The possibility of the reinfection proves that syphilis can be radically cured. Finally in any case of reinfection of syphilis the surgeon should wait for general symptoms to make their appearance before giving mercury, as the production of a chancre is generally the only result, and specific treatment is not required.

3^d Syphilis has a period of incubation. — This is a term used

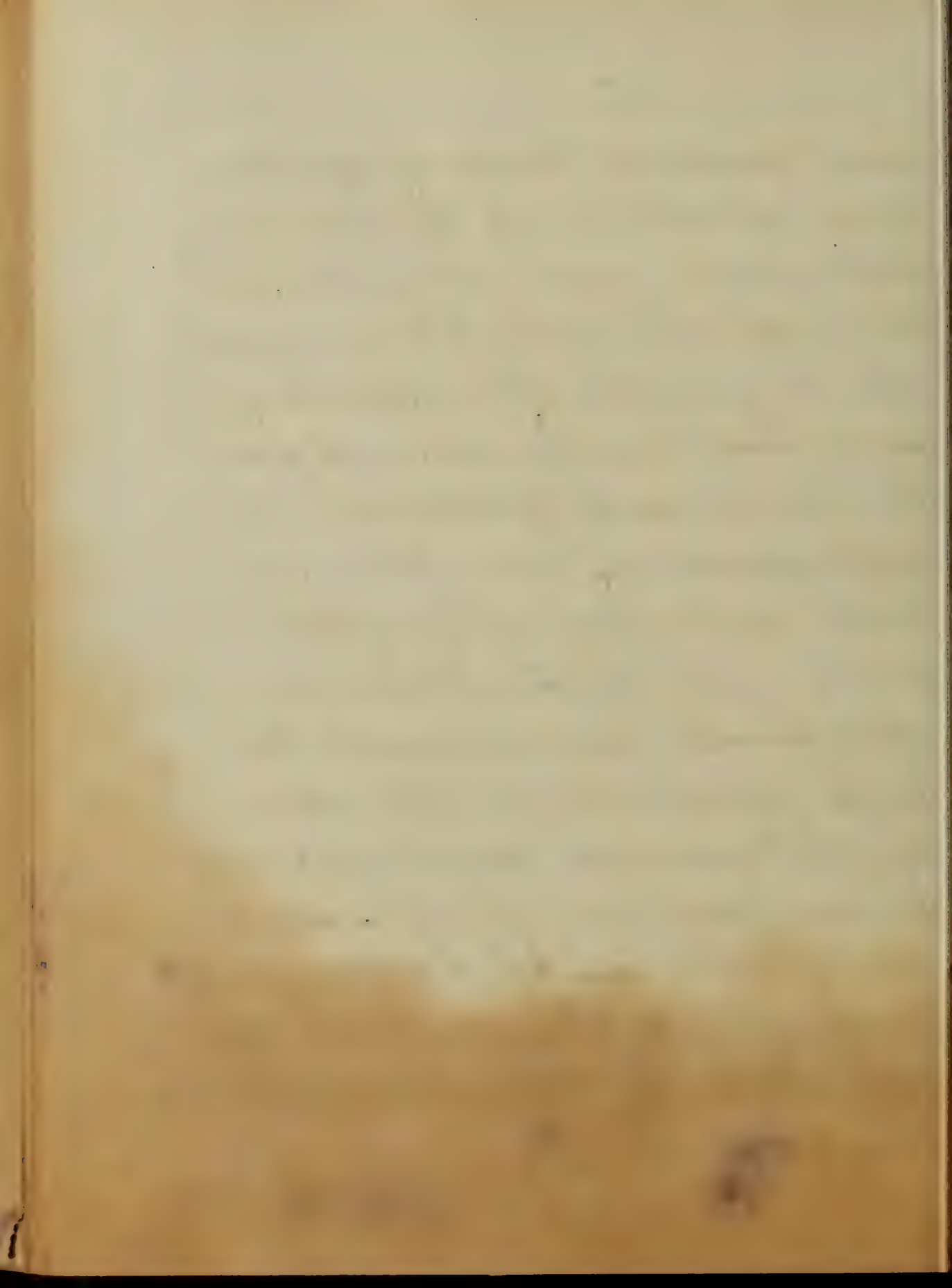
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to designate the interval between the introduction of a morbid poison and its earliest manifestation. This will again be referred to when we come to treat of the initial lesion of syphilis. (Chancere). The constitutional manifestations are also preceded by a period of repose.

4th The order in the evolution of the symptoms. Upon this Hunter & Gmel founded their classification; but has since been perfected by Ricord. It embraces "primary," "secondary," and "tertiary" symptoms. It has the advantage of being both natural

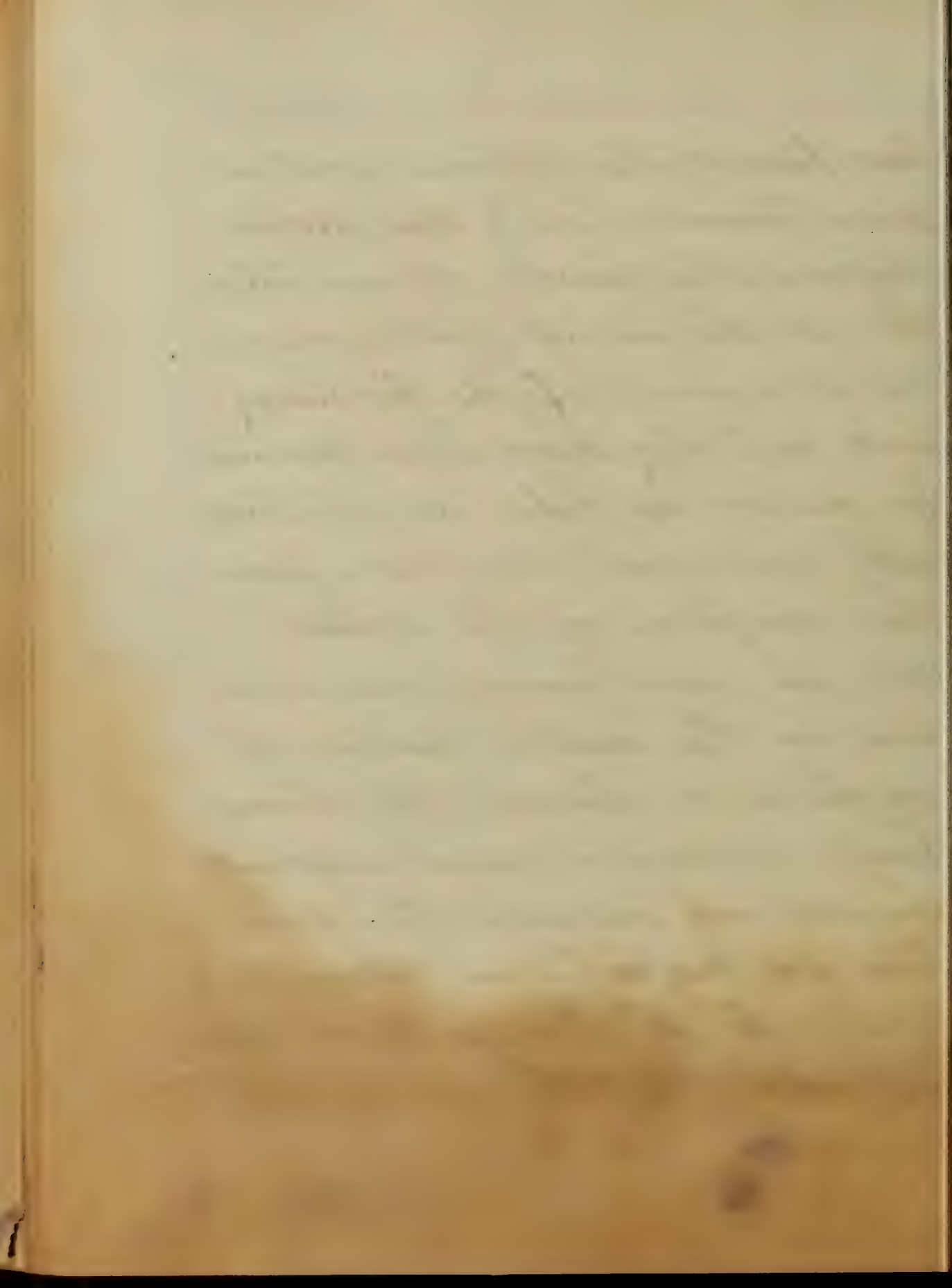


and practical. Primary symptoms should include the initial lesion, and the induration of the neighboring lymphatic ganglia. The secondary symptoms rarely occur before the third week following the appearance of the primary, and not generally after the sixth month. To secondary symptoms are referred certain affections of the skin, of the mucous membrane, certain affections of the iris, also of the lymphatic ganglia. Tertiary symptoms affect the subcutaneous, sub-mucous, cellular

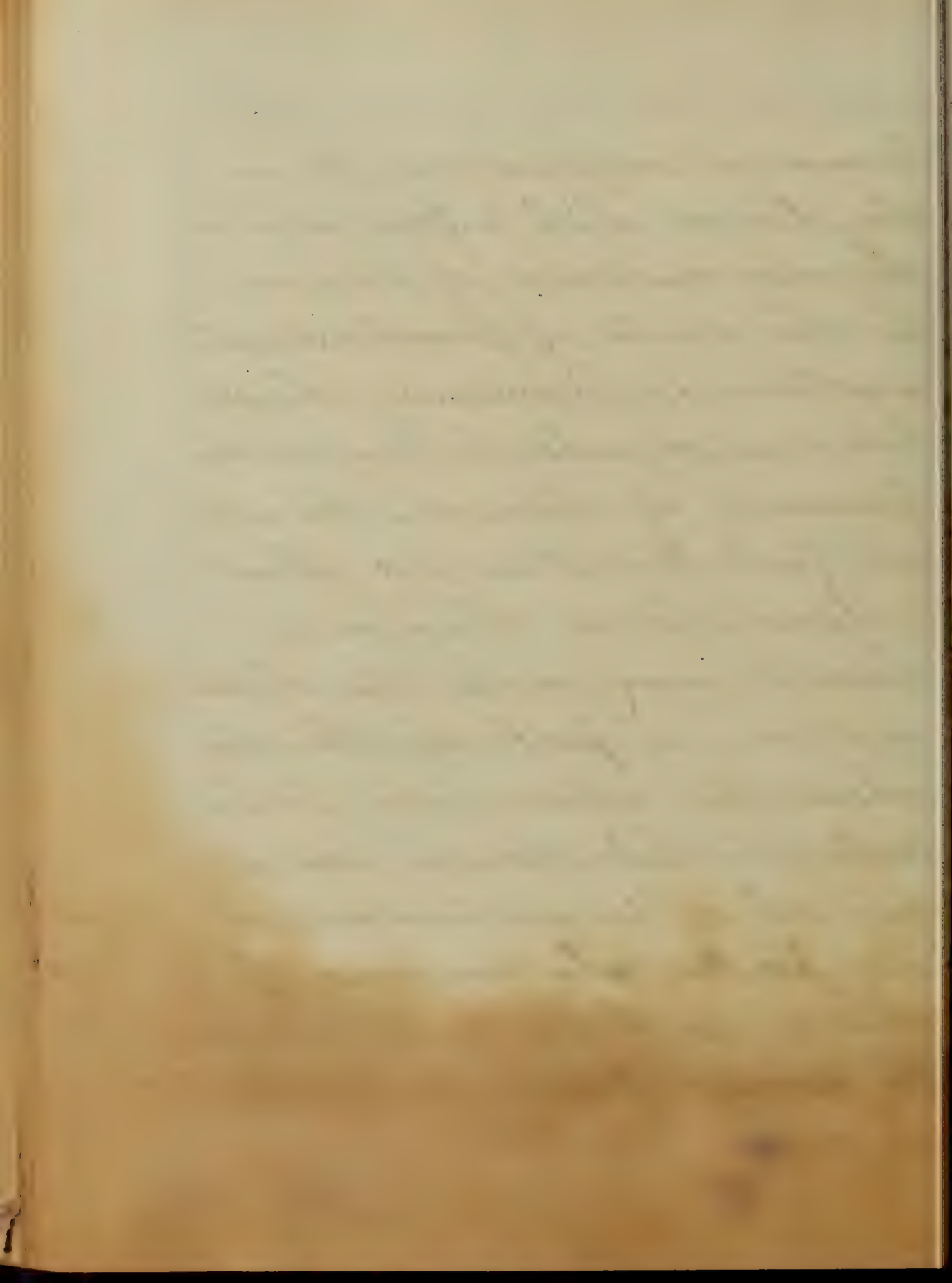


lar tissue, the fibrous and osseous tissues and the deeper organs. They rarely occur before the sixth month following the appearance of the primary sore, and they have been known to occur as late as the twentieth year, and even later, from the reception of the virus.

Let us now turn our attention to the initial lesion of syphilis or "chancre". The terms "hard", "indurated", and "infecting chancre" are incorrect. The first two are superfluous, because a chancre is always hard and indurated. The latter is incorrect.



because it implies that it is
the chancre which infects, whereas
the very existence of the sore
is the result of constitutional
infection. In examining the sta-
tistics, as regards the comparative
frequency of chancre & chancroids,
we find that there are about
4 chancroids to 1 chancre. A
chancre may make its appear-
ance on any part of the body
where the virus may be in-
troduced. That chancre has a
period of incubation accord-
ing to the observations of
others is beyond a doubt.
It averages 14 to 21 days



sometimes extending to 5 or even
11 weeks.

Symptoms of chancre. - Induration is a very prominent - symptom of chancre. It is a peculiar hardness of the tissues, around and beneath the sore. It is readily distinguishable from the hardness caused by inflammation by the following characteristics. It is circumscribed whereas the hardness of inflammation fades off into the surrounding - healthy structures. This deposit occurs in the absence of the symptoms of inflamma

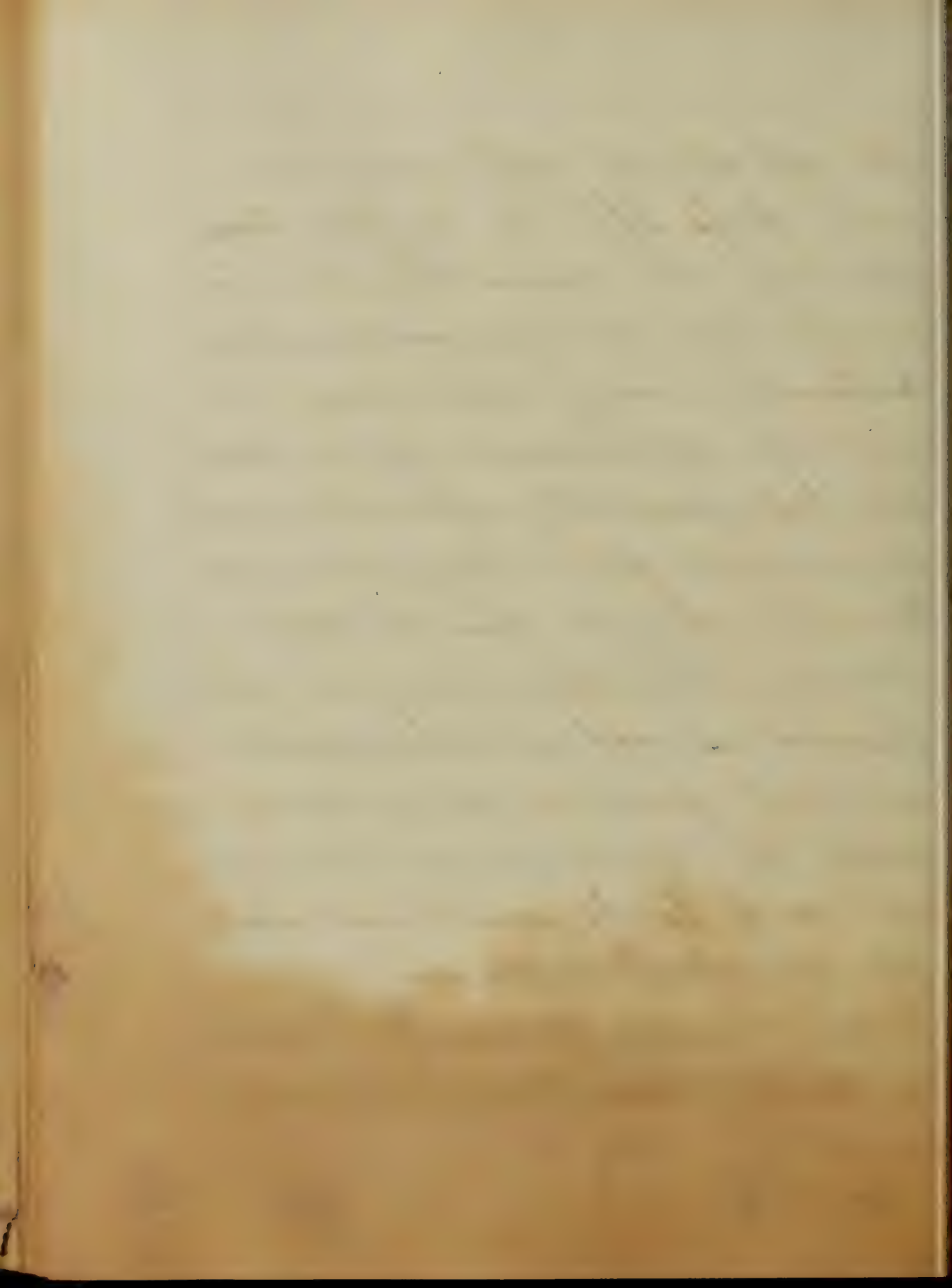
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tion. So insidiously it takes place, that the patient is often ignorant of its presence. The chancreal induration is freely movable upon the underlying tissues, whilst that of inflammation is adherent. The difference in the sensations they impart to the fingers is still greater, specific induration is so firm, hard, and circumscribed that it has been compared to a "split pea"; inflammatory induration is soft and doughy. A difficulty in diagnosis often arises when these two conditions exist together. but

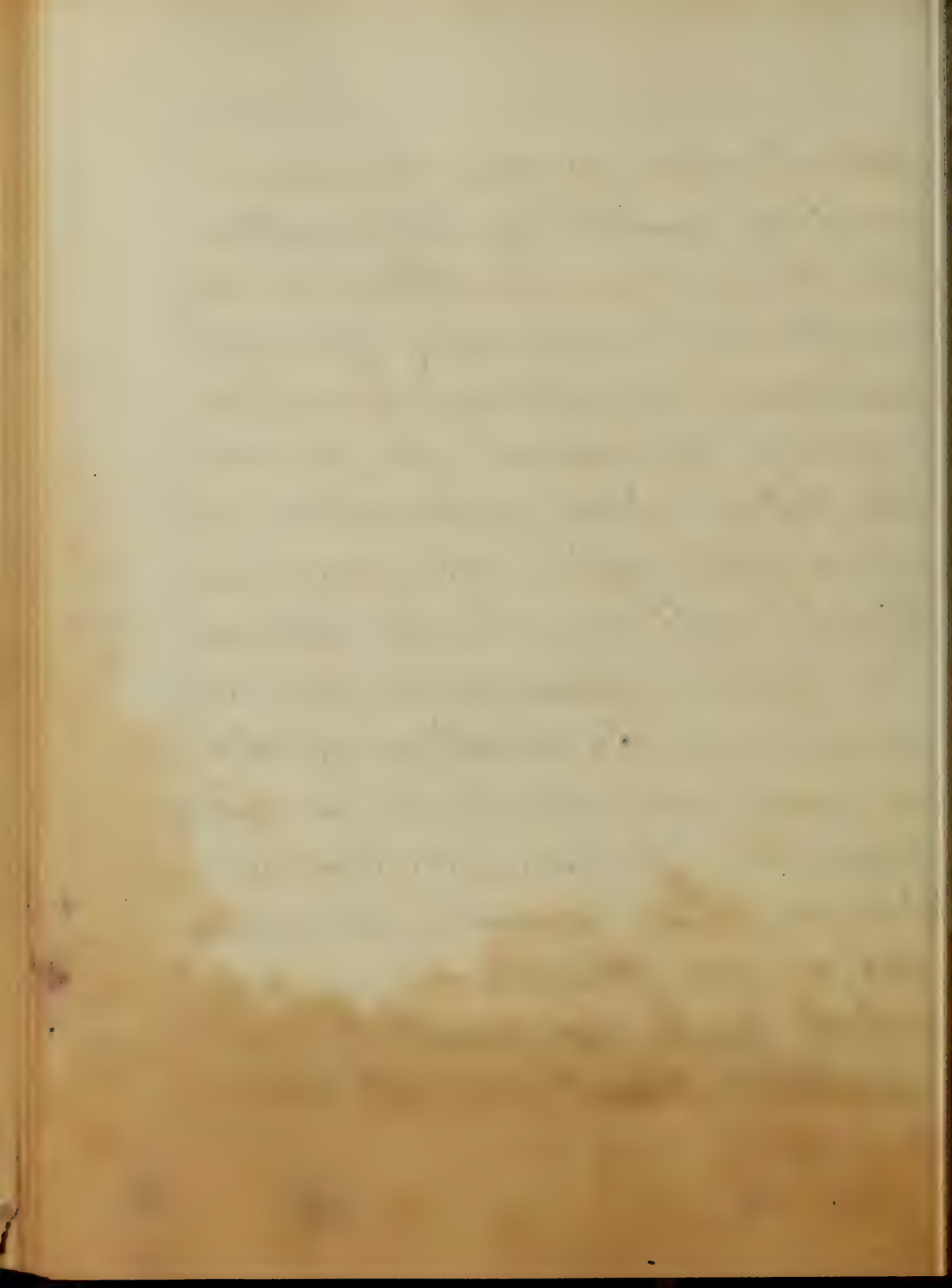


The effects of inflammation will pass off in a few days leaving the characteristic circumscribed specific induration. Induration may take place before the appearance of a chancre, but generally after. It usually remains for a long time after the chancre has healed.

Secretion. The secretion from a chancre is not so abundant as that from a chancreoid, and is chiefly serous. Chancre is said to be auto-inoculable in about 2 per cent. Duration. Chancre generally remains a shorter time than chancreoid.



2
but it often exists after the secondary symptoms have appeared. Germination.—As chancre is unattended with any loss of substance it seldom leaves a cicatrix to mark its position. As before stated induration is often left after the sore has healed, and sometimes ulceration takes place, and produces a sore, the secretion of which is just as infectious as that from the former, and sometimes this second ulceration takes on phagedenic action, which tends to great loss of substance. Ricord noticed that a



chancres, during the reparative period, may be transformed into a mucous patch, thus converting a primary into a secondary lesion. Number of chancres. There is generally but one, if more it commonly proceeds from the fact that the virus entered the system by two different portals at the same time. Phagedaena. - It generally spares the chancre, but sometimes it takes place. Condition of the neighboring ganglia. - They become enlarged and indurated without inflammatory action, and the

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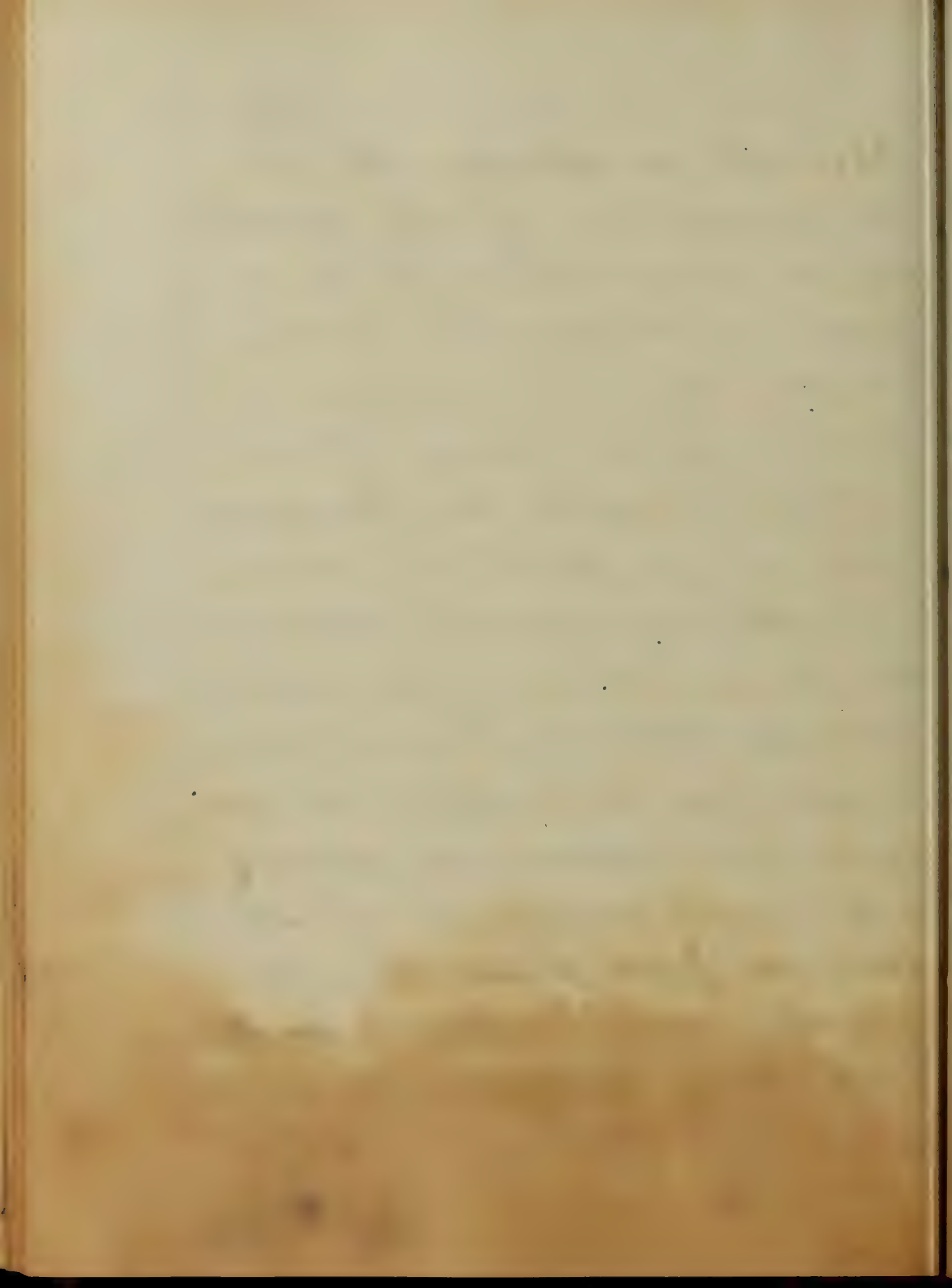
sensation imparted to the fingers is very often compared to that transmitted by chestnuts in the folds of a handkerchief.

Diagnosis of chancre.-The most valuable diagnostic signs of chancre are its period of incubation, induration of its base, and of the neighboring lymphatic ganglia; the peculiarities of which have been described above.

Differential diagnosis of chancre and chancroid. A chancre is always due to the inoculation of syphilitic virus.



Chancroid is always due to the inoculation of the secretion of a chancroid, or the pus from a chancroidal tubo. In chancre there is always a period of incubation from two to three weeks. In chancroid there is no period of incubation. Chancre generally commences as a papule which usually becomes ulcerated. Chancroid commences as a pustule, or as an open ulcer. Chancres are usually single, rarely multiple, if at all from the first. Chancroids are generally multiple either from the first or by successive inoculation.



A chancre is generally a superficial erosion, scooped out, rarely deep, cup-shaped, sloping towards the centre. A chancreoid perforates the whole thickness of the skin or mucous membrane, "punched out" excavated. The edges of a chancre are rounded, flat, sloping, and adherent to the tissue beneath. The edges of a chancreoid are abrupt, eroded, and undermined. The floor of a chancre is red, livid, more or less level sometimes covered by a false membrane. That of a chancreoid is whitish, pulbaceous, and vomit. Secretion of a chancre



serous, and scanty, auto-inoculable
with great difficulty. That of a
chancre is copious and puru-
lent, readily auto-inoculable. In-
duration of a chancre is hard,
and circumscribed generally per-
sisting for weeks or months.
In chancroid there is no indur-
ation of the base, although there
may be engorgement as a result
of the application of a caustic,
&c. in which case it is not cir-
cumscripted, and is of short du-
ration. The sensibility of a chan-
cre is slight. That of a chan-
croid is great. Phagedaena in
chancre is very rare, and



it does take place, it is generally limited. Phagedaena in chancreoid is frequent and spreads rapidly causing great destruction of tissue. One person rarely has more than one chancre in his life time. Chancreoid may affect the same person an indefinite number of times. In chancre - the neighboring superficial lymphatic ganglia on one or both sides are indurated, painless, and freely movable, suppuration rare, but never auto-inoculable. In chancreoid ganglionic reaction absent in the majority of the cases, when present



There is generally but one ganglion affected or inflamed, suppuration frequent, pus often auto-inoculable. A chancre is an expression of a constitutional disease; general symptoms usually occur in about six weeks from the appearance of the sore. Chancroid is a local affection never affecting the constitution.

Treatment of chancre. — The abortive treatment has long been abolished; as it has been shown to be of ^{no} avail; for it is not the chancre which infects the system but as it were the chan-



ore only gives evidence that the system has become infected with the syphilitic virus. According to the opinion now held by most authors on this subject, healing a chancre has no effect upon secondary symptoms. Under the use of mercury reparative action is speedily induced.

As before stated the neighboring lymphatic ganglia, that is, those which are in direct anatomical relation with the chancre are generally indurated on one or both sides, in the former case they are generally on the same side as the chancre.



It may generally be discovered by palpation; there are no symptoms of acute inflammation; indolency is one of their chief characteristics. They generally require no treatment.

General syphilis.—The chancre together with the indurated-ganglia in its immediate vicinity are the first signs of constitutional infection.

After which there is an interval during which the virus remains dormant in the system. Following this period of latency the poison resumes its activity.



and gives rise to symptoms distant or near the initial lesion. The period of incubation of general syphilis, or the interval between the appearance of the initial lesion to the occurrence of constitutional symptoms, is from three weeks to six months. Secondary symptoms are contagious. The medical literature is full of cases, which go to prove the same. The initial lesion of syphilis, whether derived from a primary, secondary, or tertiary lesion is a chancre. Tertiary symptoms do not occur before the sixth -



month.

Prognosis.— It is thought by some that syphilis is incurable; but there are others on the contrary who think that it has a tendency to self-limitation. But the question is if a man shows signs of syphilis thirty years after the reception of the virus, being in the enjoyment of perfect health during the interval, when can we say to a patient who has had syphilis, that he is perfectly free from this formidable malady.

Treatment.— Let us first glance



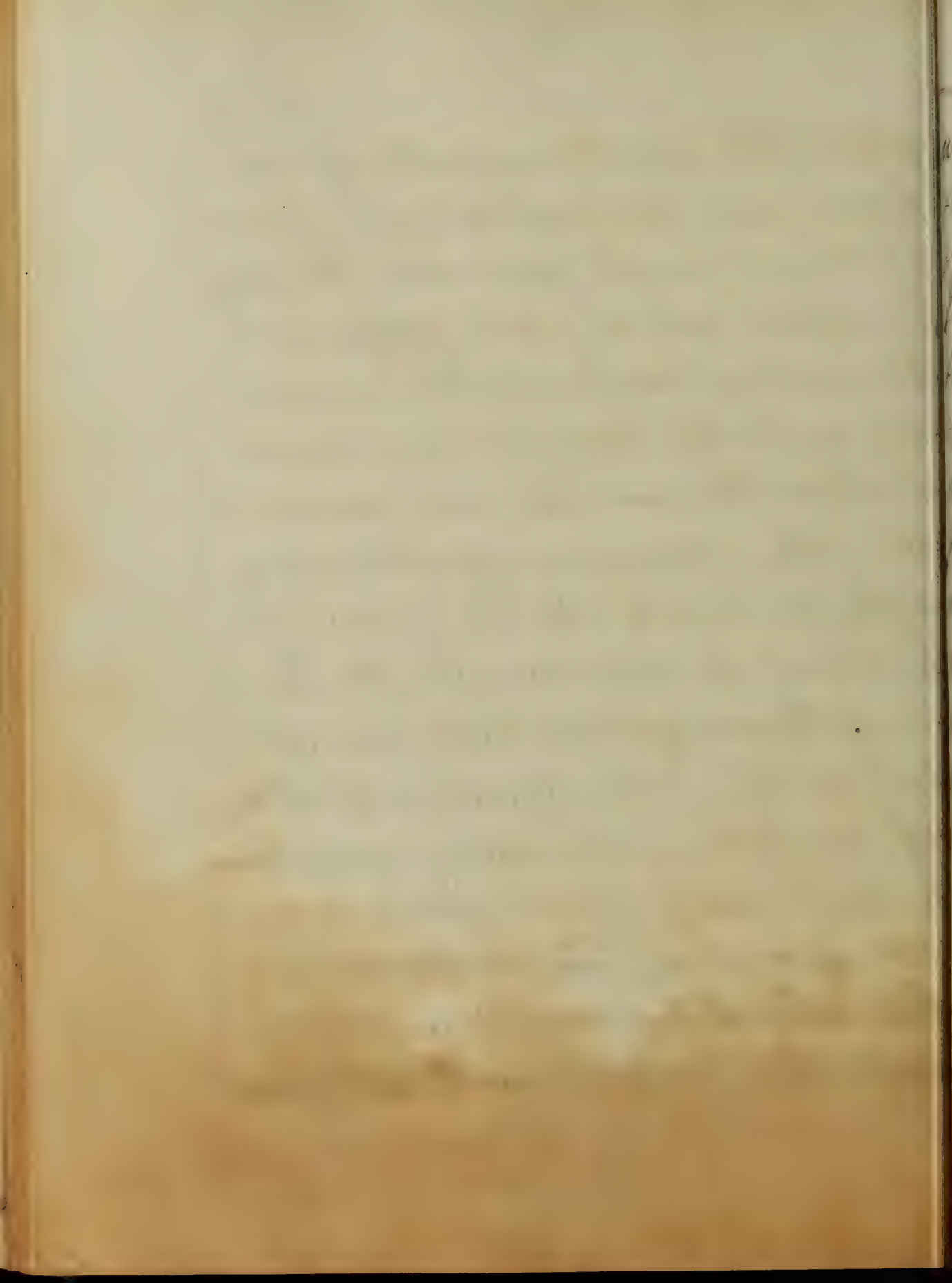
at the potency of hygiene and tonics in the treatment of this disease. The patient should lead a regular life, he should abstain from the use of stimulants and tobacco. The functions of the bowels and skin should be attended to. He should eat, sleep, and exercise at regular hours. A cheerful disposition is of great importance in the treatment of this disease. The diet should be plain and nutritious; so that digestion will not be overtaxed, and nature sustained in the work it has to do.



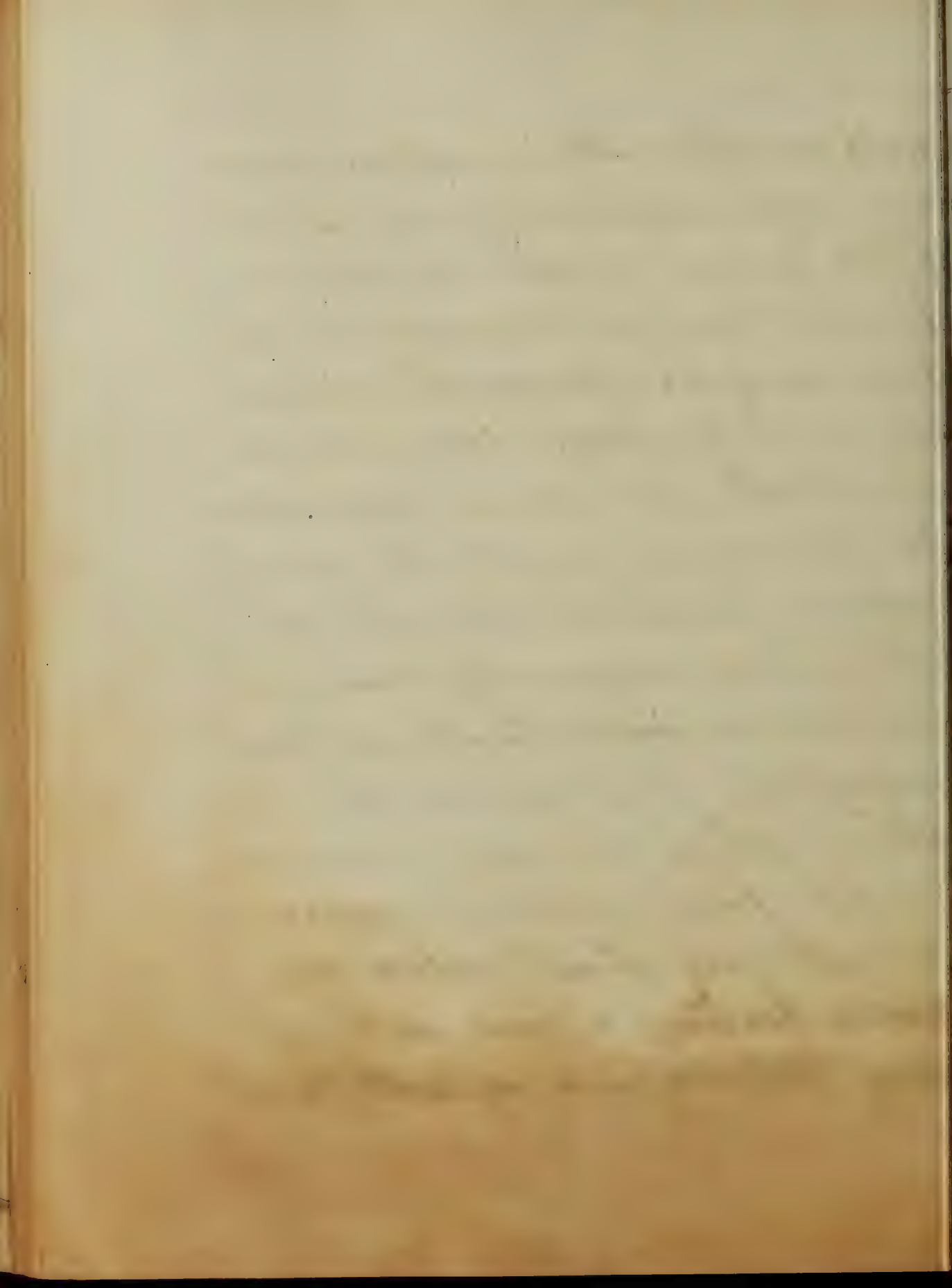
compleat. The secretion of the skin should be promoted by such agents, as exercise, warm baths &c. The bowels should be opened at least once a day. Tobacco, being a sedative, depresses the vital powers, and is moreover objectionable on account of irritating the mucous membrane of the mouth and fauces. The serum of the blood in syphilis is increased, whilst the corpuscles are decreased. What does this condition call for? The use of tonics and other means, either directly or indirectly.

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state. The most valuable of all tonics are the preparations of iron, cinchona, and gentian. The chief remedies which are supposed to act directly in the cure of syphilis are mercury and iodine. Mercurials are used in the secondary symptoms of syphilis. Iodine in the form of iodide of potassium in the tertiary. Mercury has been proved to be the only agent capable of combating secondary symptoms. In employing this agent no one form of it can be used exclusively. A preparation which suits one person will not suit

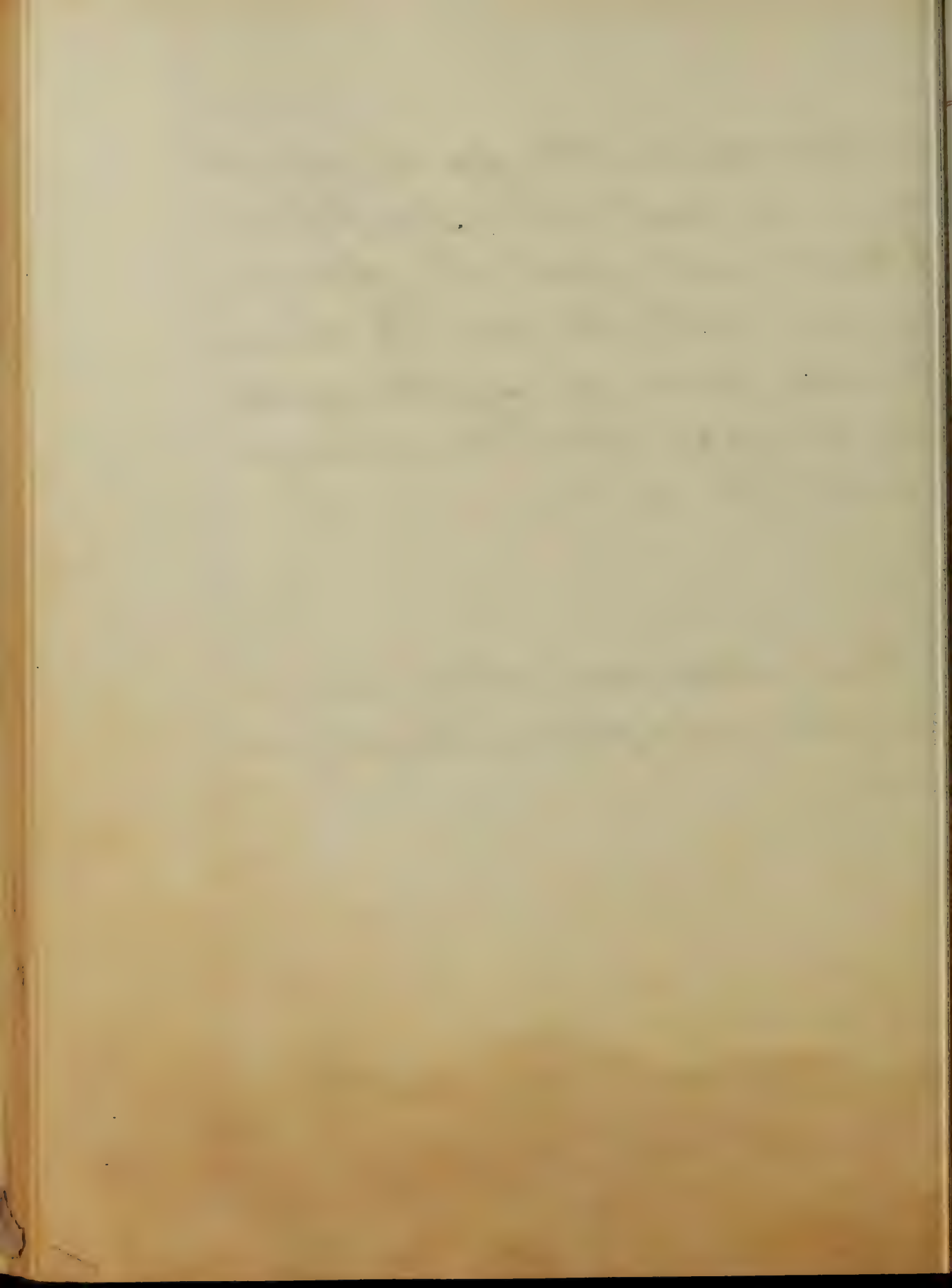


with another. It is often necessary after employing one form of it for a long time to change to another, in this way its action may be increased without resorting to large doses which are liable to cause diarrhoea. In commencing with the use of mercury, it should be exhibited with some degree of caution, since some individuals are more susceptible to its action than others which can not be known without trial in every given case. Mercury should never be given too long a time without any intermission, regardless of



the patient's health; for it is al-
ways a bad thing to kill the
patient and cure the disease
if such could be the case. As the se-
condary forms of syphilis gradu-
ally merge into the tertiary, so
should the treatment.

Time does not allow me to
do justice to such a lengthy sub-
ject.







Yellow Fever.

A.

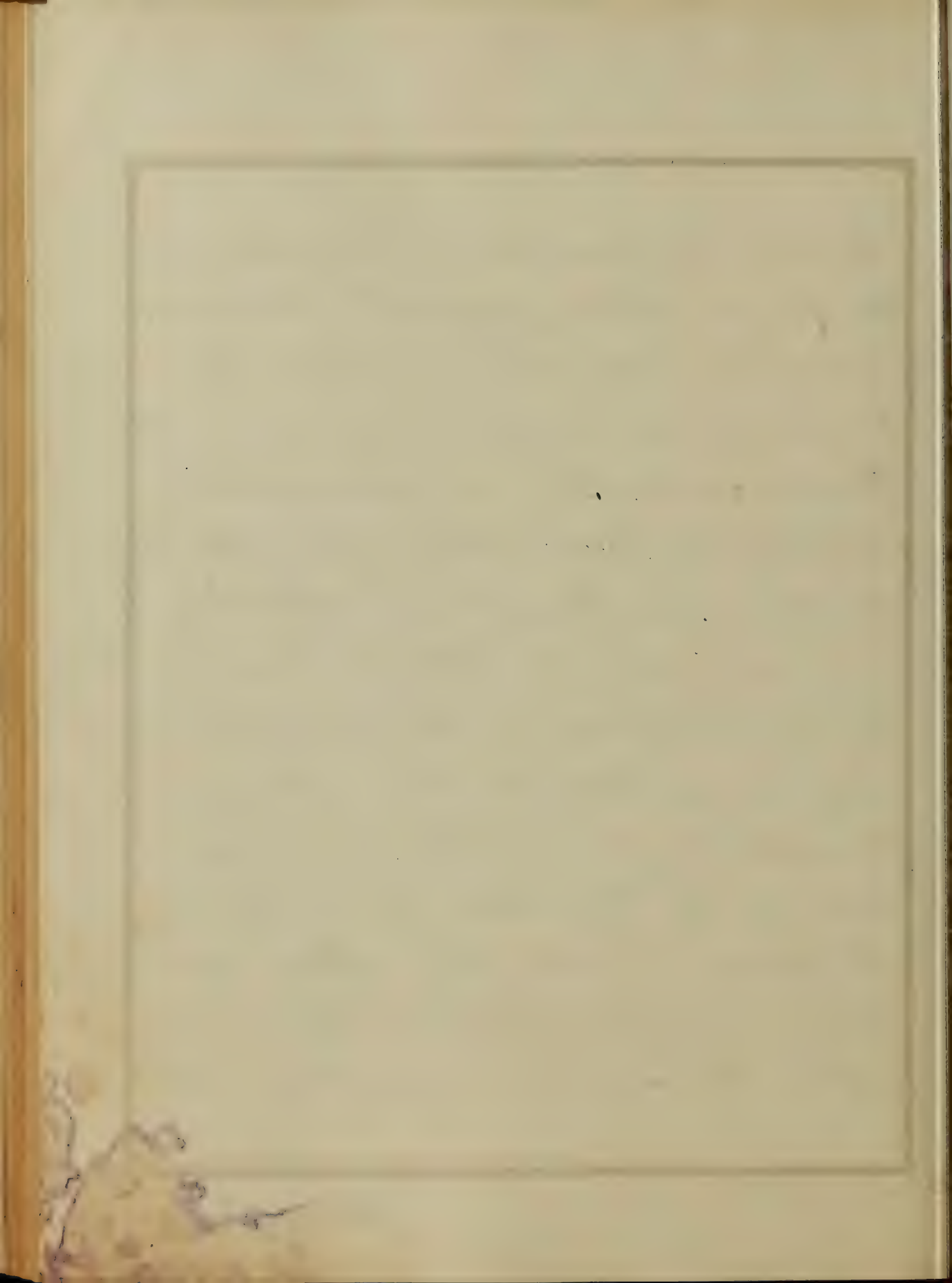
Dissertation, respectfully submitted
to the Provost, Trustees & Medical
Faculty of the University of
Maryland. For the Degree of
Doctor of Medicine.

By
Mason J. Whitehurst.
of
Florida.

February - 1875.



It would be presumptuous in the extreme, in the present state of medical enlightenment; For any one, especially a student whose limited experience and field of investigation has necessarily been so circumscribed as scarcely to deserve attention, to attempt to offer any thing novel or attracting on a subject upon which so much has already been written, and which has commanded the talents and research, and enlisted the names of some of the brightest lights of our Profession. I need but allude to the labors of Rush, La Roche, Stone, and others, too numerous to mention, to be



almost induced to shrink from offering
to the indulgence of an intelligent and
most learned faculty, the little that
may be contained in the following disser-
-tation. But as I shall endeavor to give
my own observations, with regard to the
treatment and pathological anatomy
of this disease, I hope at least to
make it interesting.

Yellow fever from the days of Du Tertre
to our own times, has received a great
variety of names: each writer giving
it the title best suited to his own
views of its history, origin, and charac-
-ter. Labat speaks of it as the



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"Mal du Cham," from its supposed origin in that place. Early English writers called it the "Barbadoes distemper" Pym styles it the "Bulam fever." From its supposed origin on an obscure island by that name, at the mouth of an African river. The French West Indians speak of it as "la Fievre jaune." - "Fievre matelotte;" the Spanish Americans call it from a striking symptom "vomito negro," vomito prieto. The large majority of English and American writers of to day, generally recognized it as "Yellow Fever," "Yellow Jack," names based upon the icteroid hue of the surface



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11
12

13

by which the disease is usually attended in some one of its stages.

The earlier historians of the West Indies ascribe the origin of Yellow fever to the East. An insurrection having broken out in Senegal, the French colonists at Bannock were driven from the country, and embarked on the ship "Griffonne" and two other vessels, in the latter part of the year 1699, and sailed for Martinique. The "Griffonne" touched at "Brazil", where yellow fever had been prevailing for seven or eight years, and soon after the disease broke out on board, and by the 5th of January



36
12
13

1691, over one hundred deaths had occurred on board of the vessel. The disease spread to the shore, and was carried by other vessels to many of the adjacent islands. Moreau de Jonnés, in his work on yellow fever, argues, however that the disease had existed in St. Domingo for many years previous to that time, and had prevailed in the first settlements formed by the immediate followers of Columbus. However this may be, it is certain that the disease was known for many years as "Mal du Diam", and the fact of its prevalence on board the "Oriflamme", received general credence with the



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medical writers of the eighteenth century. Another account ascribes its introduction to slave-ships from Africa in 1699, in which year a fatal epidemic prevailed in St. Domingo. Its first appearance in the United States was in 1693, at Boston, Mass. An English fleet, under command of Sir Francis Wheeler, which had been sent the previous year 1692, to effect the reduction of Martinique, and had spent a month at Barbadoes, returned to Boston with yellow fever on board. The mortality had been so great among the troops and sailors, that over one half of the whole number



in the fleet had died, and the disease is stated to have been introduced into Boston, where it prevailed with great severity. Such is a brief synopsis of its early history and appearance in this country. To follow its history through subsequent years, would necessitate more space than is possible for me to give.

The meteorological condition most favorable for the generation of yellow fever, is a long spell of hot weather terminated by frequent and copious showers, which fall during the day, but seldom or never at night. During such weather or whenever vegetation, putrefaction and



temperatures acquire a certain development, a peculiar miasmata is generated, which impregnates the surrounding atmosphere rendering it impure and poisonous. This poison the nature of which is not known, produces its effects upon the system by effecting the blood ^{and} other fluids of the body. In certain localities this miasma is permanent and always active; in others, it exhibits only an occasional activity, by which alone its presence can be inferred. In Vera Cruz, Havana, Kingston, it is perennially endemic; it is occasionally so in New Orleans, Mobile, Savannah



and Charleston; which last city seems to be placed upon its extreme northern limit of spontaneous production.

Its relation to temperature is evident; but with regard to season we are in doubt. It is certain that yellow fever will only become epidemic during the hot months of summer and autumn, yet the causes which produce it, exist always in places indigenous to this disease. In Havana the cause always exists, and strangers are in as much danger during the months of December and January as they would be during an epidemic in June. Its contagiousness and trans-



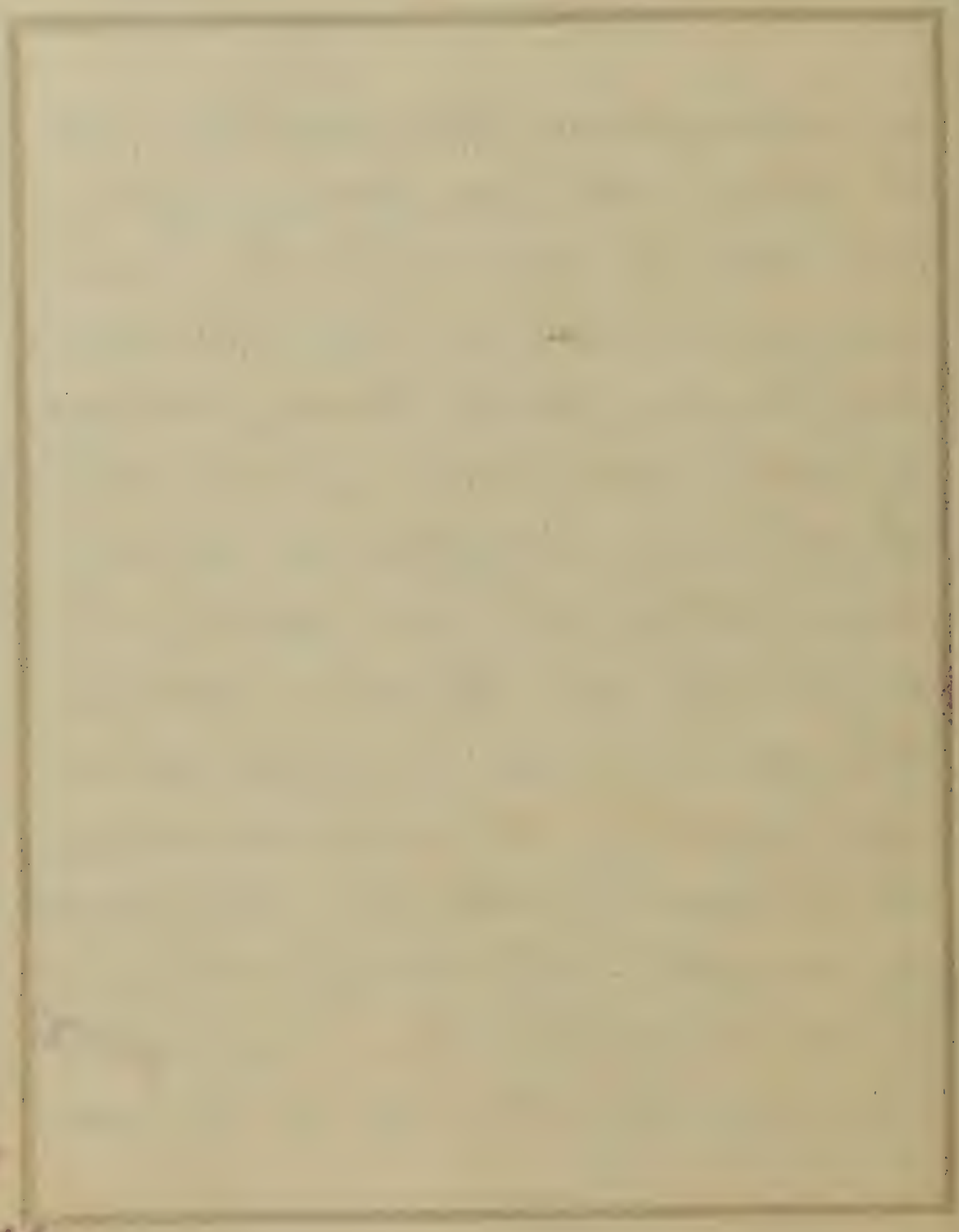
-missibility are articles of faith, or rather axioms which require no proof, they are truths which are without doubt in the minds of all intelligent medical men of to-day. The immunity which old residents and natives have from this disease is no doubt due to the fact that constantly living in an atmosphere so impure their systems are better able to withstand its effects.

Reasoning from analogy, we might compare it to an attack of syphilis, the victim being so naturalized that it is impossible for him to get another. Negroes are exempt in a remarkable degree from the



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miasmatic influences which serve to generate this disease. Why I know not, we might infer, from the same reason that grants immunity to natives and old residents - but change of climate, becoming acclimated in northern latitudes, and again breathing this poisonous atmosphere, are all the same to him, he is not afraid of it; in fact they court the disease, offering themselves as nurses during epidemics and fulfilling their missions nobely. The paroxysm of yellow fever often commences abruptly in the midst of ordinary health: the patient being seized without warning, with a languor and a sense



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12

of debility, which sometimes supervenes while he is walking in the street or attending to his usual avocations. It often commences for the most part, with a degree of chilliness although there is not a formed rigor. To this, soon succeeds intense heat and dryness of skin, with uneasiness at stomach ^{and} pains in the head, back and limbs. Sometimes it is preceded for several days by anorexia; the patient complaining of general uneasiness, loss of appetite, flatulence, heat in the stomach, giddiness, pain in the head, combined with dull, watery, or brilliant-red eyes, low spirits &c. The stomach, which Rush truthfully calls "the throne of



The disease is almost always initiated, and
erupting comes on spontaneously, and is easily
quitted by any thin layer. The eruption
is sometimes hurried, and irregular;
at other times it is slow, with long
and heavy nights, and great oppression
about the face and throat. When the
eruption has been fully developed, the
pulse is quick and tense, and strong
respiration. I have counted from
ninety to one hundred and twenty in
a minute. There is also violent
throbbing and beating of the temples,
and heat of the face. The eyes are
red and dry, the face bright, the hair



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the eye red, sometimes as though blood-shot. hot and more or less painful, it is at the same time brilliant and watery, presenting the appearance of one weeping.

The tongue is at first soft, swollen and covered with a thick yellowish white fur, but soon becomes very red at the point and edges. The bowels are torpid, responding slowly to the most active cathartics; stools, when procured, are often from the first dark colored, and acid.

Some authors mention cases which commenced with diarrhoea, I have never seen any. The countenance in yellow fever is sufficiently peculiar, to denote at



once the character of the attack, The aspect is distressed, gloomy & impatient; the face flushed & turgid; the eye red & watery; and withal a singular wildness and fierceness resembling somewhat that of intoxication, combined with sadness & terror. These symptoms constitute the first stage of the disease, following the division commonly recognized by writers into three periods. Its average duration being probably not far from thirty-six to forty-eight hours.

The second stage or stage of remission commences with an abatement of many of the preceding symptoms. The headache

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is now relieved; the skin is moister, cooler and more pliable; the pains in the back and limbs subside or entirely disappear; the pulse is more natural; the respiration is easier; the burning and pains in the stomach lessened; little or no vomiting; the face is less flushed, the eye not so red and less suffused, and on the adnata a yellow tinge is substituted. The well known yellow or orange hue now overspreads the surface; which, according to writers upon that subject, is probably owing to a depraved state of the blood itself, and to a weak and morbid condition of the capillary



1875

circulation. The duration of this second stage lasts but a few hours; from twenty-four to thirty-six, - usually about from twelve to eighteen; 'tis at this junction that the disease, if not subdued or controlled, develops a violence and rapidity of progress which the enfeebled powers of the constitution is unable to resist. Of this last stage or collapse, the most prominent feature is the extreme prostration of the patient. The skin, especially the hands and face grow dark, and assume a brown or mahogany color. The tongue oftentimes continues the same as during the first stage - in many cases it will present a

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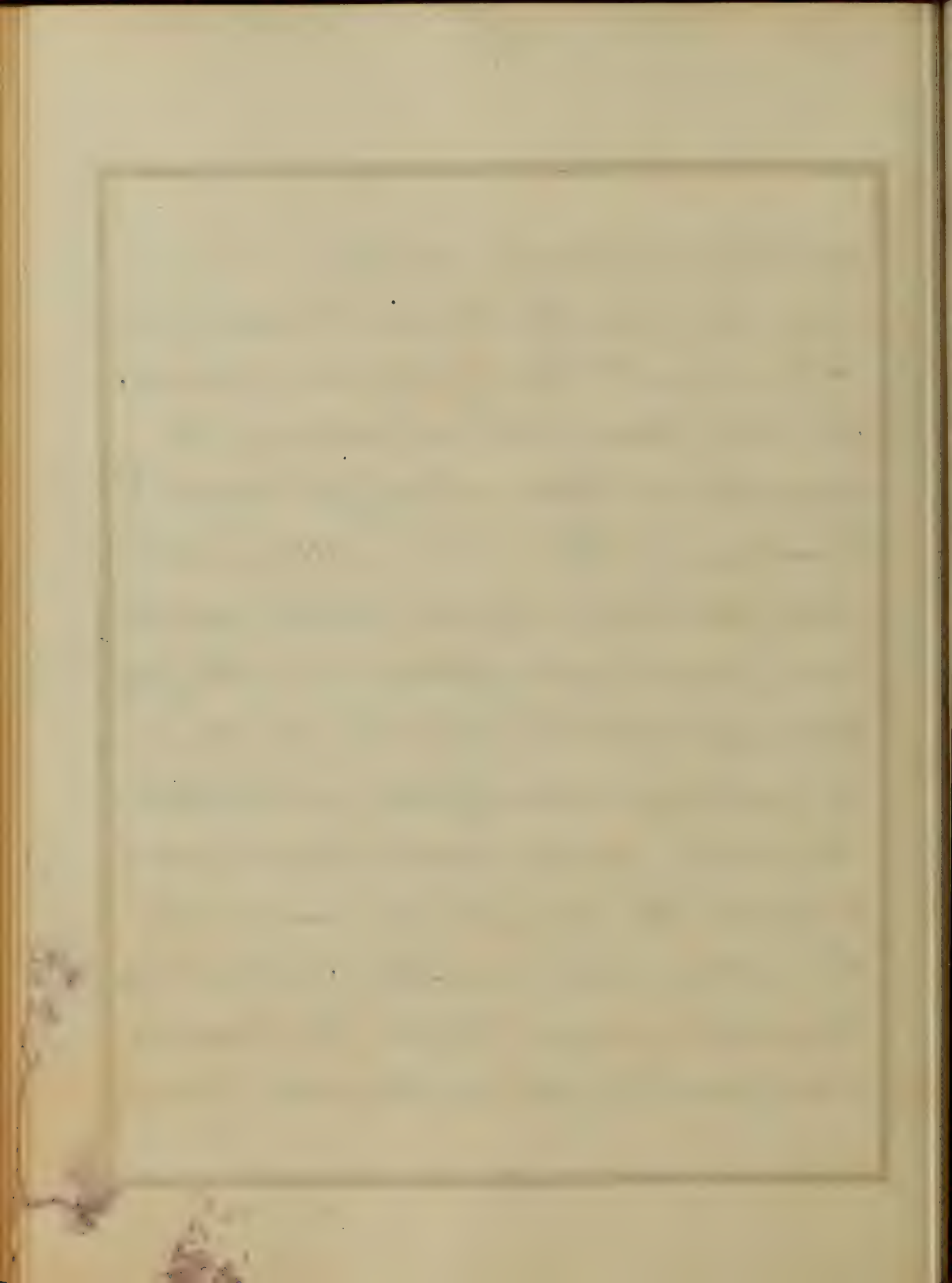
1887

dark brown, dry streak in the center; in the more malignant cases, it becomes perfectly dry and fiery red, oftentimes oozing from its fissures blood. The lining membrane of the mouth presents the same fiery red appearance. The stomach becomes now so irritable that it is unable to retain anything - It is here that the justly dreaded symptom, black vomit makes its appearance; it sometimes escapes during the action of hiccuping, more frequently it spouts from the mouth like a huge black snake involuntarily. The alvine discharges from the bowels become frequent and abundant, consisting often of a fluid



resembling black vomit. All hope is now gone, life rapidly declines; breathing is laborious, with deep sighing and moaning; The skin becomes cold and clammy; the eyes dim and hollow; the tongue black ^{and} tremulous; and there is low muttering delirium, probably a farewell to those around, or a prayer of contrition to an Almighty God; and death finally closes the scene of sufferings dreadful to contemplate.

It would be useless to attempt in so short a space, the many forms assumed by this "yellow robed monster," I shall therefore endeavor to give the Treatment which came under my observation during



several epidemics in cities situated
along the (Gulf of Mexico) coast.

In the Treatment of yellow fever, the
first and principal indication is the
reduction of vascular excitement.
To accomplish this indication the
profession resorted to the lanceet, but
with the ordinary zeal to do good,
venesection was carried to its extreme.
Rush, 'tis said abstracted from one-
hundred to two hundred ounces of
blood; - As he speaks of it - as the
great sine qua non. There is no doubt
but what such treatment was not
only uncalled for, but attended with

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bad results; - Yet we should not
condemn the remedy because it has
been misapplied & carried to its
extreme - rather condemn the Surgeon
who thus applies the remedy -

Such has been the fatal results
from this misapplication and extreme
use of venesection, that the medical
mind has gone over to the other
extreme & rejected its use altogether
The probable truth lies between these
two extremes & they who condemn its
use in every case, should weigh well
their success as non venesectionist
& present the wonderful specific to

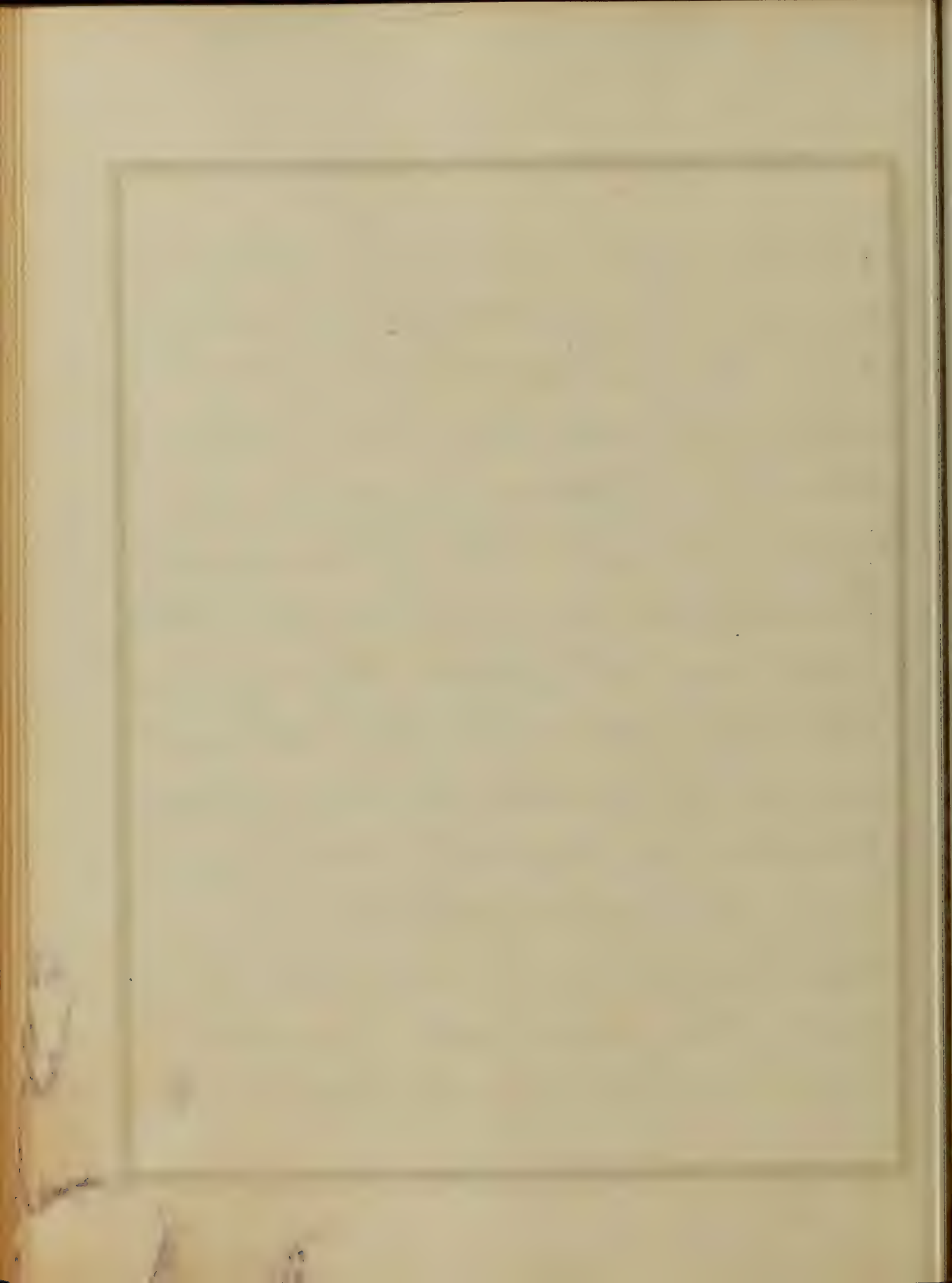


1870

1870

1870

a grateful world, and receive the reward
of immortality - gratitude has its store for
them. If the patient be well - bleed him,
but not out of good health - bleed him,
Bleed him, because no other known
remedy will serve to reduce vascular
excitement in such a case, if on the
other hand, the patient be weak or
stimulents should be used, stimulents
are used principally in the colic case,
but where the prostration has been so
great at the onset of the disease
stimulents should be commenced at
once. This remark is true, but it is
not false in many the same is the only



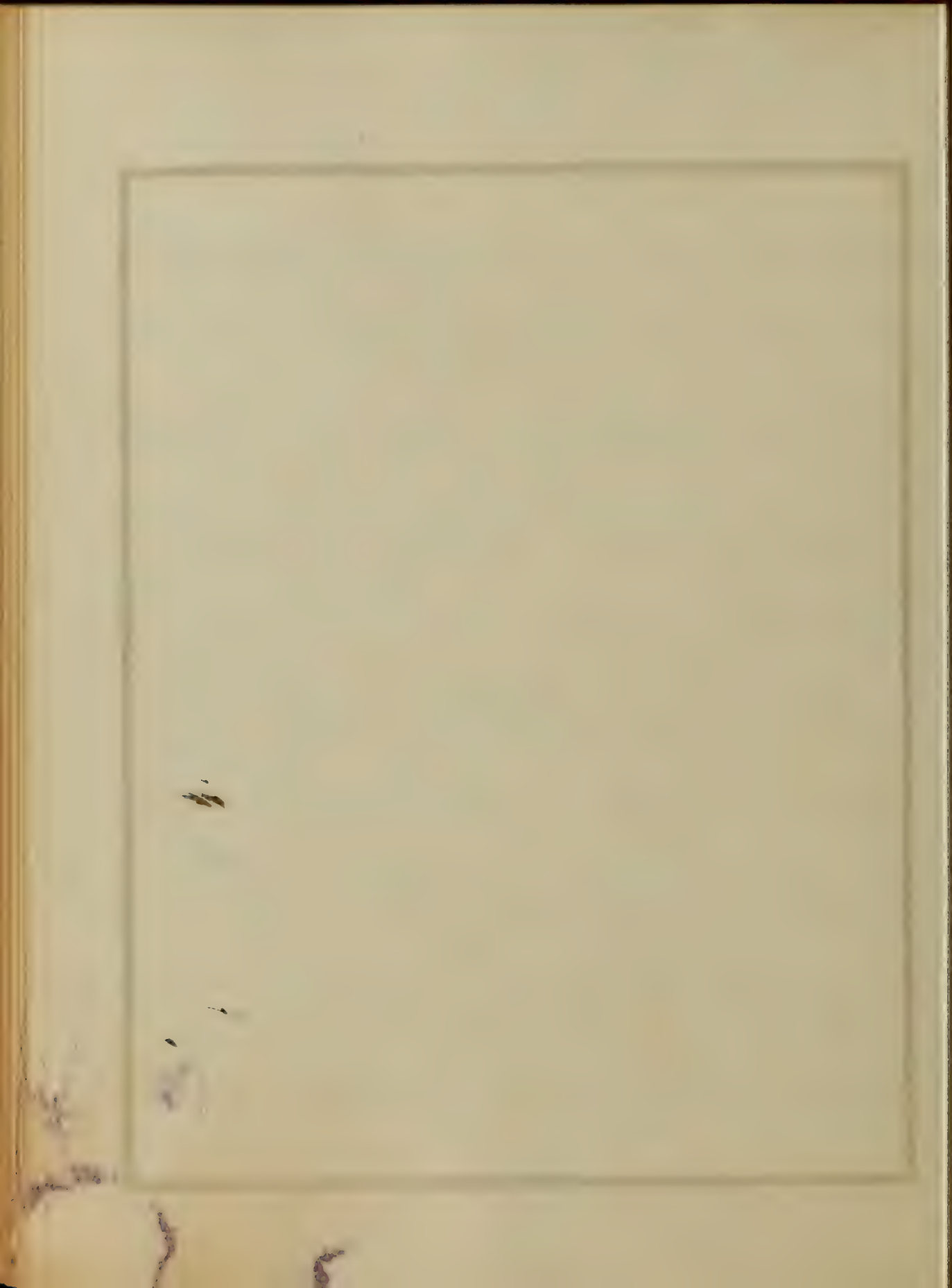
which can be relied upon in yellow
Fever— Early in the disease, before
there is much irritability of the
stomach, an emetic is of great service
particularly if the stomach be loaded.
Cold affusion is highly recommended
Mercury is declared to be of great service
As I may state here, that mercury like
blood-letting has been and is carried
to its extreme— I have seen six ty-
phoid doses given to patients
during an epidemic at Tortugas
Island in 17— And no doubt
but what Calomel, the preparation
employed in such large doses, will

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the bloodletting will be rejected altogether.
The exact treatment in the one case
adopted by Southern Physicians but
I believe the Professor generally, therefore
it would be useless for me to cover
largely upon a point, in regard to which
so little is known.

The morbid anatomy of yellow fever is
of very little importance, as there are
no anatomical lesions peculiar to it,
sometimes there will be congestion of the
stomach, but often not even this.
There is no mark in the external condition
of the liver, it may be light brown or
yellow, just as a raised surface blemish



yellow from effused serum, a state which
is rare. The brain is sometimes found
to be congested, the spleen is little
altered; the kidneys are very often
congested. In fact the Post-Mortem
teaches us nothing by which we can
positively rely upon as an anatomical
lesion peculiar to the disease.

In conclusion I pray Him, the God
of Nature, that he may soon yield
to us the antidote to this most
fearful malady. ⁴⁵ Free us from
one of the most terrible scourges
that the imagination can conceive.

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Thesis
on
Synovitis of Knee-joint
By
E. W. Theobald
1875



A synovial membrane is a
fluid of tubo, into the center of
which the articular surfaces of
the joint are inserted, it covers
the various ligaments of the joint
and is finally attached to the
cartilages. It consists of a
membrane, lined by a layer of
epithelium. On the inner
side a fine avascular tissue, it
secretes a thick, viscid fluid.

In the knee-joint the arrangement
of the synovial membrane is more
complex than in the other joints &
it is more subject to inflammatory conditions.



Synovitis of the Knee-joint may depend for its cause upon certain diatheses, as the Rheumatic, Syphilitic & Scrofulous; or it may be induced by various local causes, such as, blows, sprains, dislocation and fractures.

The primary symptoms and signs, in certain forms of the disease especially, the strumous, are so slight that, often, its real nature is not suspected. But the symptoms, usually present are stiffness, pain upon



1848

1848

1848

motion, swelling and fluctuation, and more or less heat within the joint.

These symptoms vary in degree, in different cases. When the disease progresses slowly, we have, at first, but little pain, upon motion, and slight swelling; and weeks and even months, sometimes, elapse before the disease becomes fully developed.

In Rheumatic Synovitis, the symptoms are, usually, well marked, from the joint. The synovial fluid is secreted in large quantities; and, if the inflammation cannot

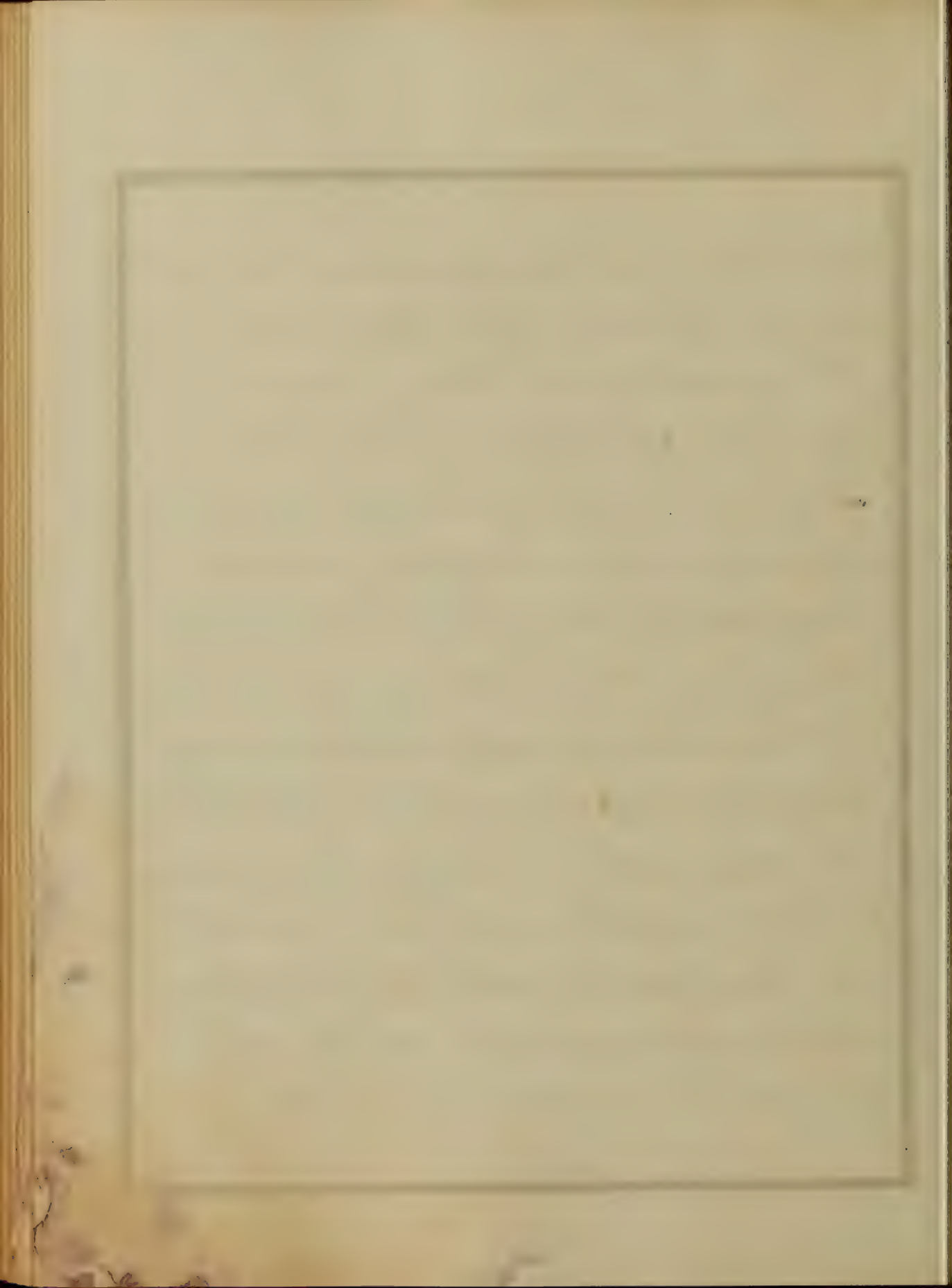


1872

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be arrested, suppurative is apt
to occur. When this takes place,
it is announced by rigors, fever
&c. In Syphilitic synovitis, we
have considerable swelling, and
excessive pain, which is always
~~more~~ worse at night. Suppuration
is rare in these cases.

Chronic synovitis (sometimes called
White swelling) usually occurs in
children under ten years of age.
Necrosis of the cartilage is not
an uncommon result of the inflam-
mation; the synovial fluid that
is effused is less in quantity than



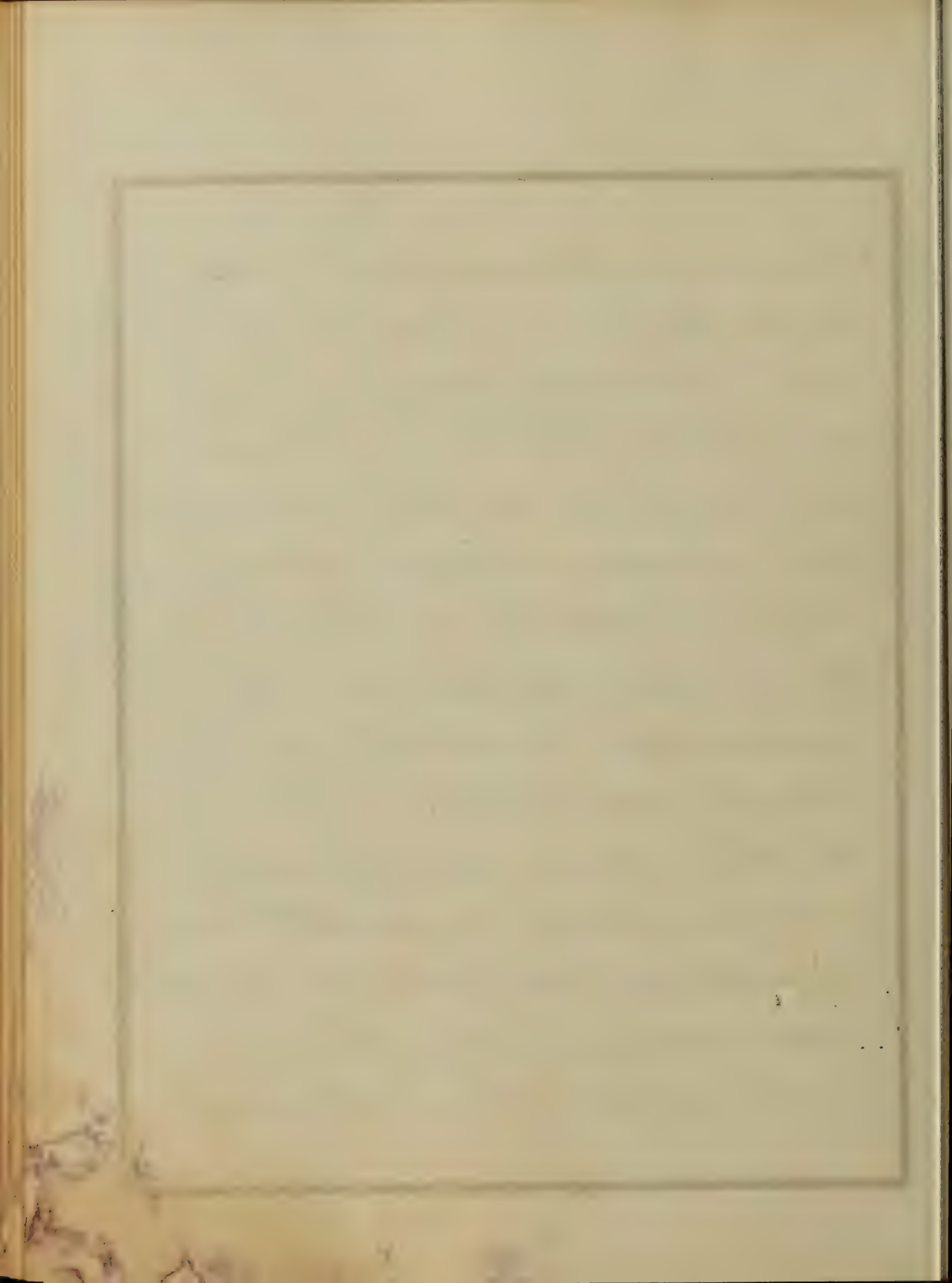
in other forms of the
and there is greater tendency
to suppuration. The pus causes
great constitutional disturbance.
A hectic condition is induced;
and sweat and fever accompany
its formation.

When we have Traumatic abscess
we have the symptoms very acute,
though the constitution does not
usually suffer very much. Suppuration
is rare, and, unless the joint
has been opened, and the surface
exposed to the air, we find it
the most amenable of all to treatment.

The treatment varies with the cause. If it is traumatic, the limb should be placed in some apparatus that will ensure quietude and comfort, and prevent the articular surfaces from playing upon each other.

The very best splints for this purpose are Bristow, Payson & Smith apparatus: starch & leather splint are also used.

If the patient is healthy and robust, you may resort to antiphlogistic measures. When the cause of the inflammation is Rheumatism,

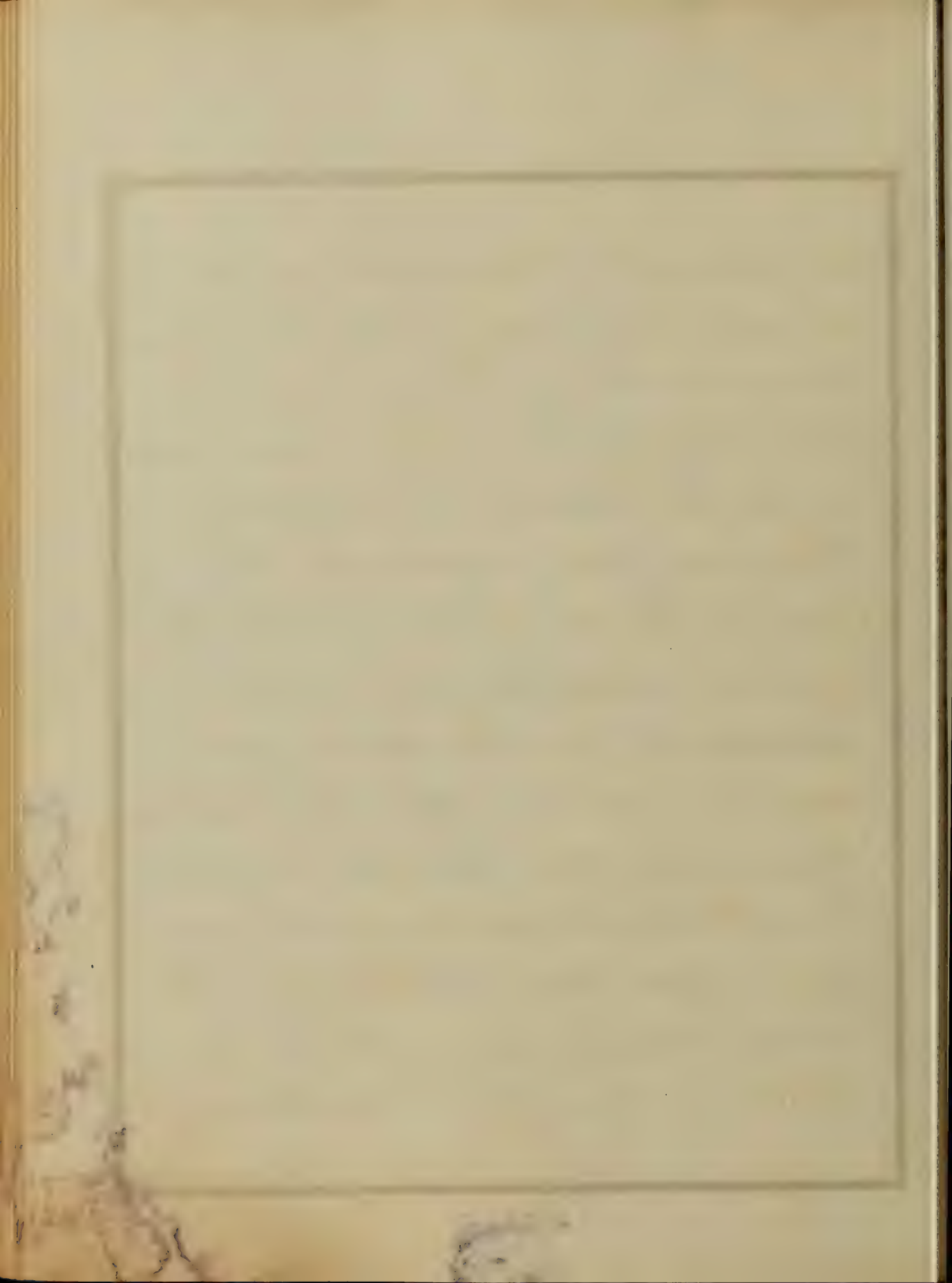


acids, Potassium, Colchicum and
the alkalis should be adminis-
tered. When Syphilis occurs
in a straggling constitution,
Iron, Quin and Cod-liver-oil are
most useful. Urticaria lesions are
proper in the acute stage. After
the eruption passed, blisters, near the
part, with Iodine, are
recommended by some. Purgatives
Oxide of Mercury, with $\frac{j}{ss}$ of
Morphia to the \mathfrak{z} ; added.

~~Case I.~~ I appended the reports of two cases
I treated
Case. Colored man, about twenty five
years of age. He had been

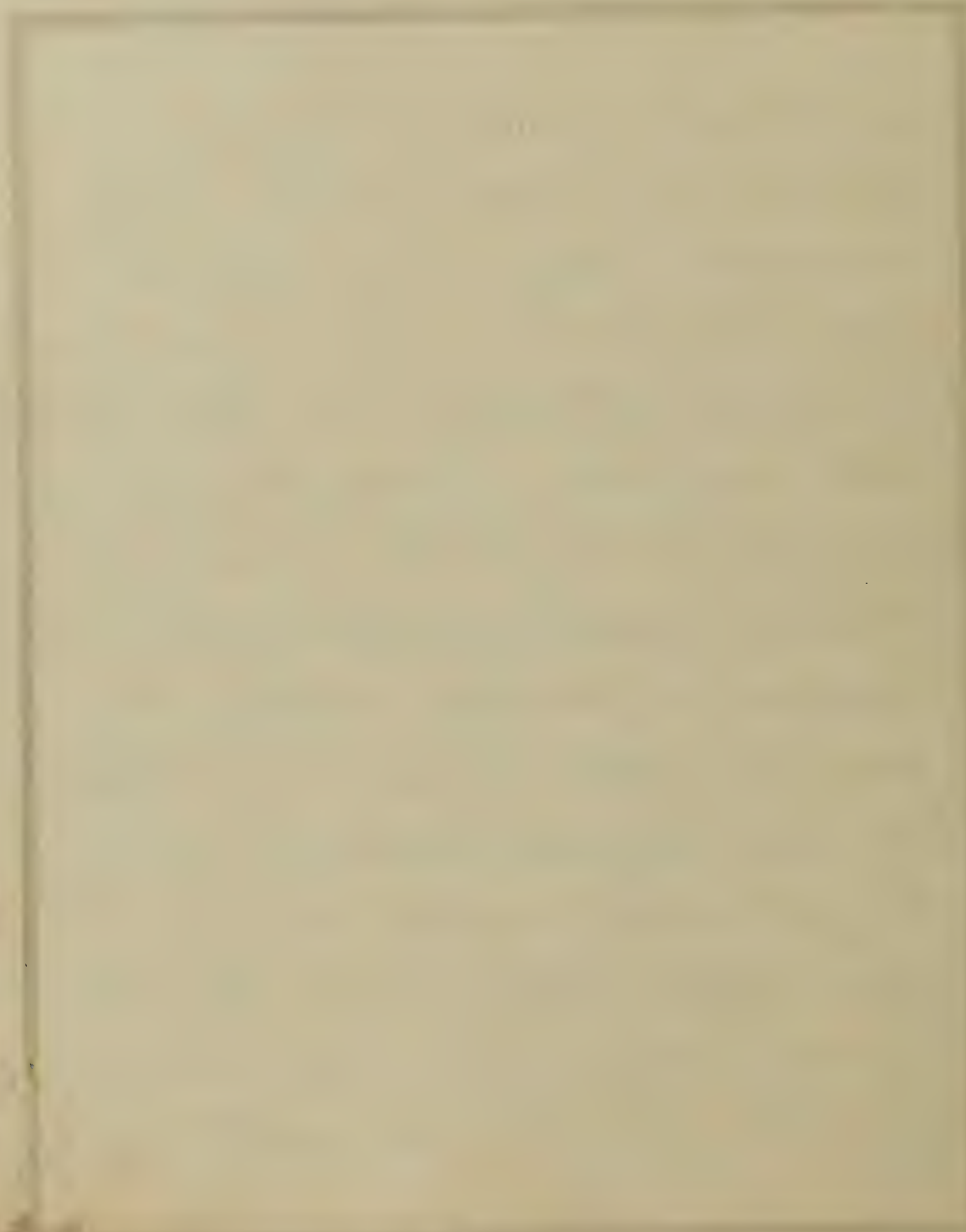


employed as servant on a
sleeping car on the P. & O. R. R.,
While on one of his trips, the
train collided with a burden
train, the force of the collision
throwing him against the
side of the car & bruising his knee
quite badly. He was able, however,
to attend to his duties for a
considerable time after the injury,
but finally his knee became very
much swollen and painful, and
his nights rest was considerably
disturbed. It was at the time
that he consulted my Grandfather.



Prof. Smith. In the evening
it a case of inflammation of the
knee joint, dependent upon the
blood vessels. Some pus had formed;
+ slight fluctuation was apparent.

The day after he consulted
Prof. Smith, I put his leg in the
Anterior suspensory apparatus,
applied a poultice, + ordered
for him opium; with instruction,
however, to take it only in case
he should be unable to obtain
sleep. Upon visiting him, the next
morning, I found him very much
refreshed by a good night's rest;



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and he informed me he had
suffered so far since his leg
had been in the splint it contained
the practice for several days; &
I then used the separator, drawing
off a considerable amount of fluid,
which looked quite healthy. I
then applied a bandage around
the joint. Some three weeks after
I commenced trusting him, &
had the satisfaction of seeing
my patient going about, certainly
relieved.

Case # 2

It was sometime during



Figure 2
1000

The month of June 1871 that
Prof. Smith requested me to see
a Mrs. Smith. She lived on
Saratoga Street, quite near the
Lexington Market, some of the
hucksters having stands in
front of her house. I have
thus carefully located her
place of residence, as it had
a great modifying influence
on the course of the disease.

I called upon Mrs. Smith
and found her suffering with
a subacute inflammation of
the knee joint, following an

attacks of phlebotomy, which she
had suffered from at the birth
of her last child. She had
been under treatment for some time
before I saw her; but, notwithstanding
the careful attention she had
received, her sufferings increased.
I prescribed *Syr. Turbidol*, in
gt. xx doses, three times a day;
and ordered, as a local
application, a saturated solution
of Opium. To prevent allusion
in the joint, I placed it in
a leather splint. I continued
the course of treatment for about



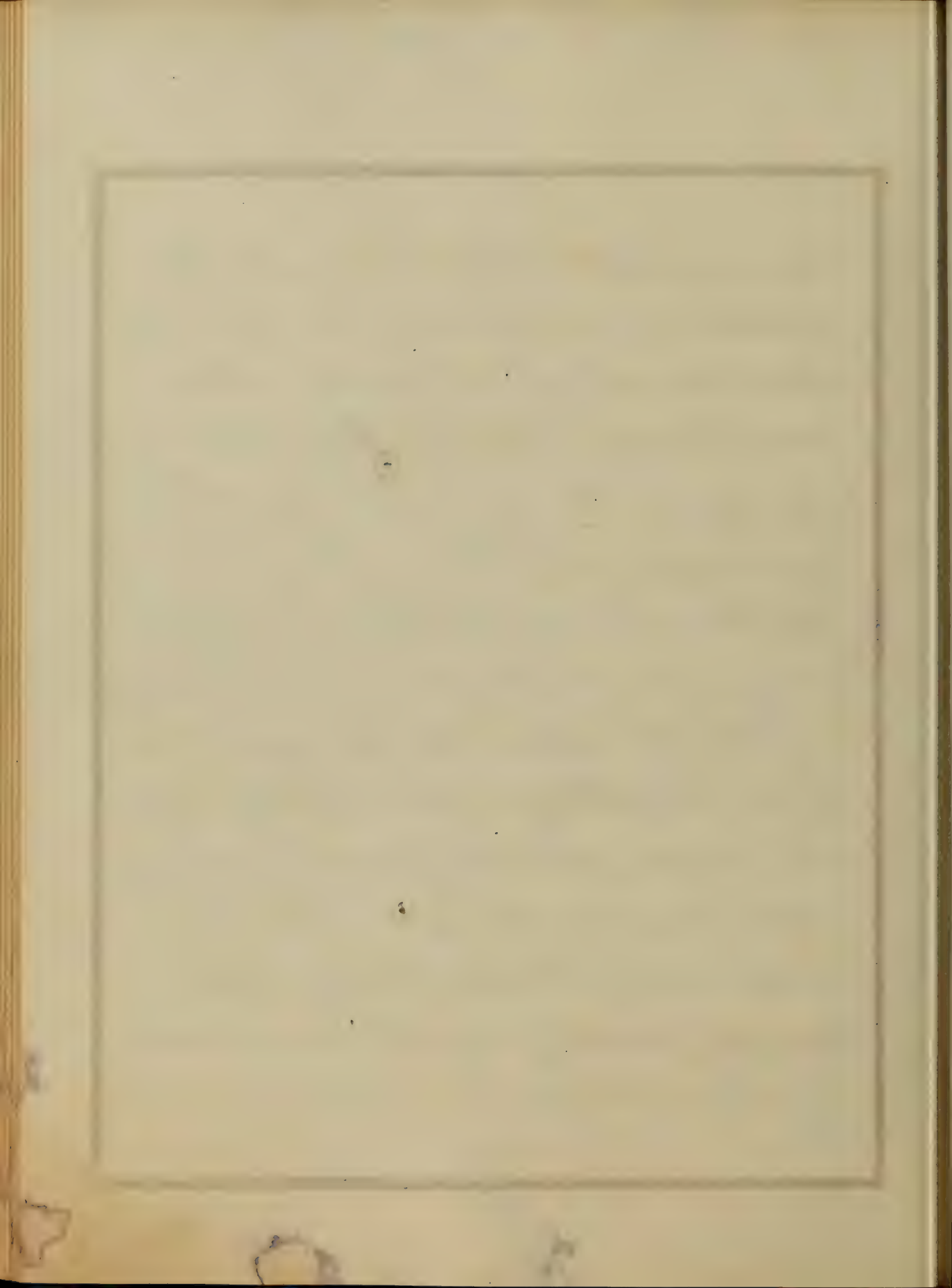
a month, with, however, but
slight benefit. The swelling was,
so, somewhat, diminished, but a
sharp pain, intermittent in
character, continued, & she had
become quite discouraged at
my want of success. About
this time, my patient was
attacked with by intermittent
fever, which, after a time, it was
able to control with quinine.
Still, she seemed to be growing
~~worse~~ weaker, and was evidently
worse than when I took charge
of her case. This was not



very satisfactory. I soon
removed the leather spirit,
and placed her leg in Smith's
Suspensory Apparatus. The
support given to the limb
by this apparatus seemed
to relieve her knee entirely.
When I first took charge
of the case, it was very anxious
she should be removed to
a more elevated and healthy
part of the city, & if possible
to so arrange matters that
she should have Sun light
in her room. I now felt



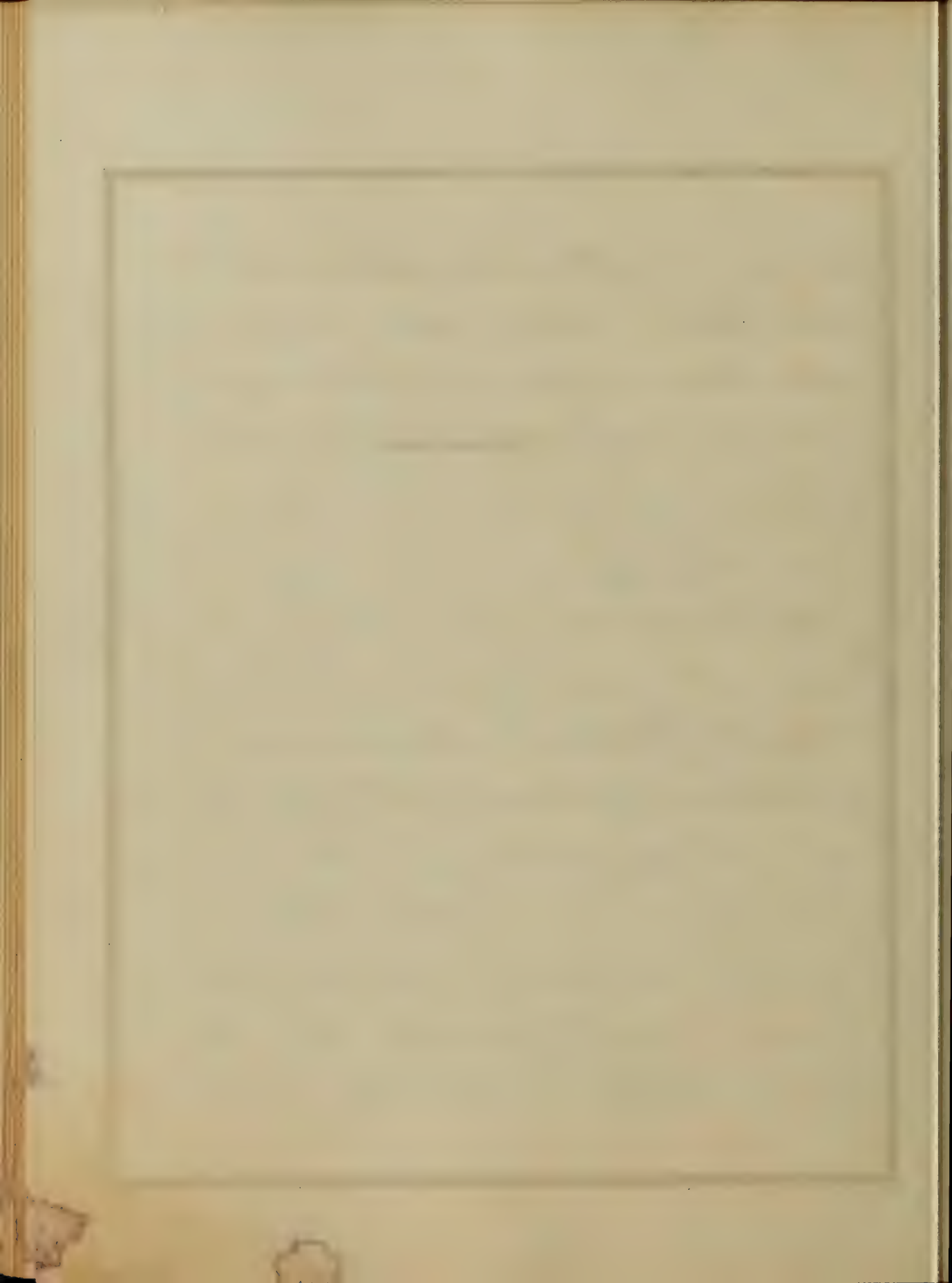
convinced that the underlying
locality, in which she resided,
had much to do with her
condition, and I thought, as
long as her general health
remained in that state, it
would be impossible to relieve
any local disorder. I, therefore,
insisted upon her being removed
to a ^{more} healthy part of the city.
She managed to procure rooms
in a very pleasant situation,
and she obtained, by her
change, plenty of Simulip, one
of the greatest of all remedies.



but one so often forgotten &
neglected. It was now joining cream
and Quinine and making use,
as a local application, of

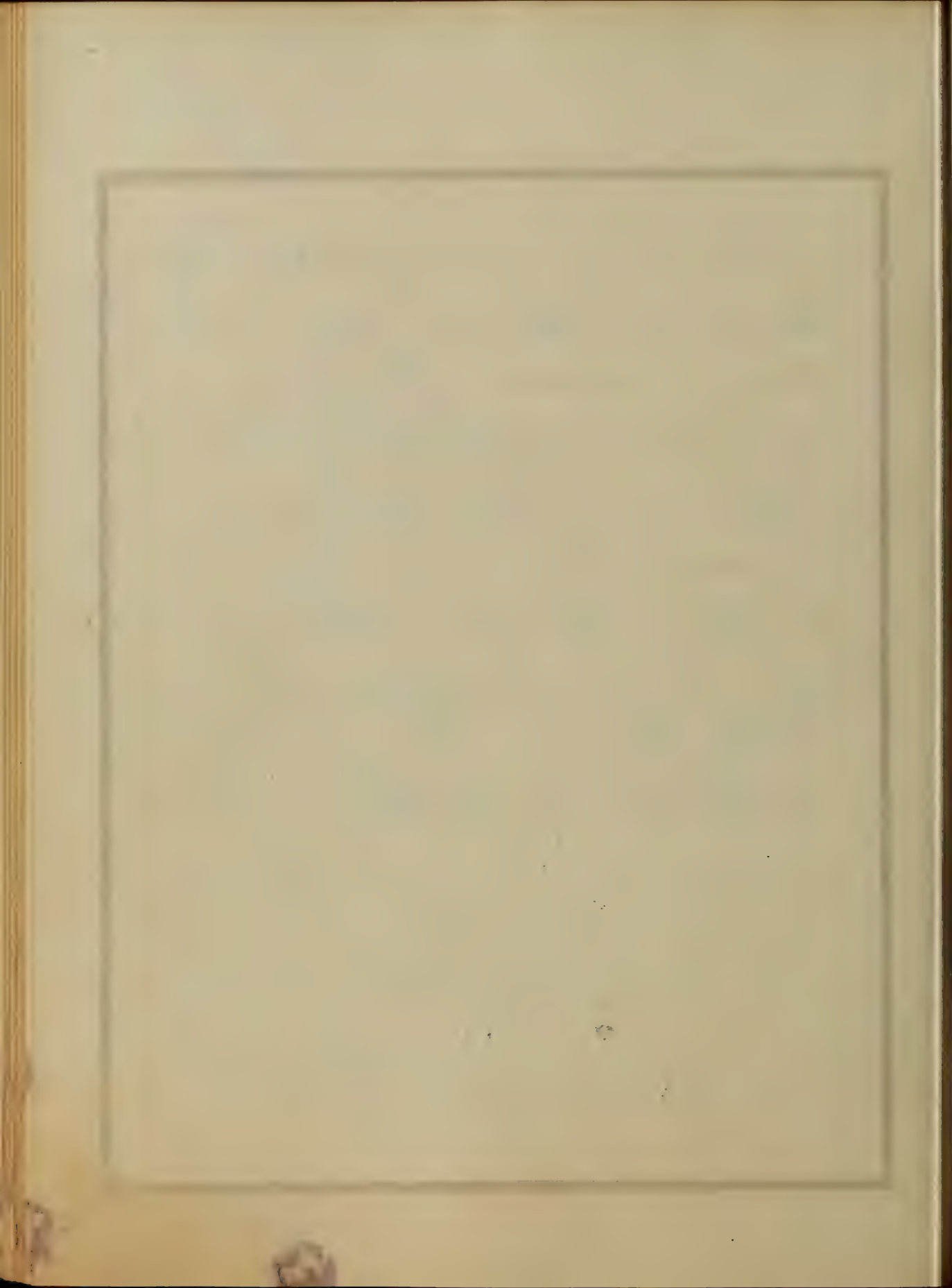
R
℞ Ol. Camphora ʒi
Lini. Chloroformi ʒii
Ol. Orisani ʒi

From this time, she commenced to
improve. The color returned to
her cheeks, & she gained in
strength and weight. After a
time, I removed the anterior
Splint and placed her knee
in a leather splint, it acting



merely as a sort of brace to
the joint. She was now able
to walk across the room.

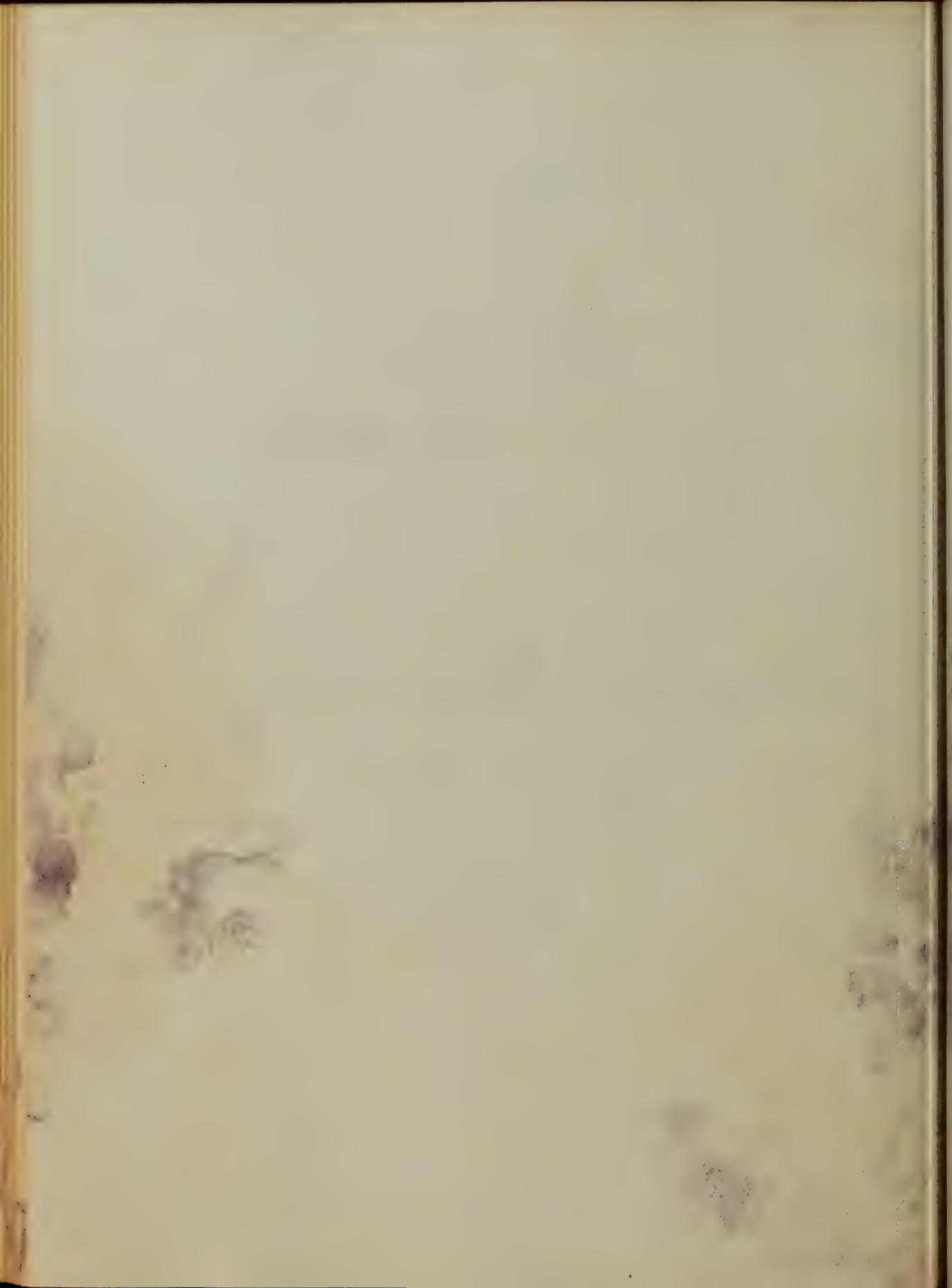
There was, of course, more or less
stiffness in the joint, but
no pain. The improvement
went on rapidly, and I
had the great pleasure, at
last of seeing her entirely
restored to health.



An
Inaugural Dissertation
on
Sporadic Dysentery

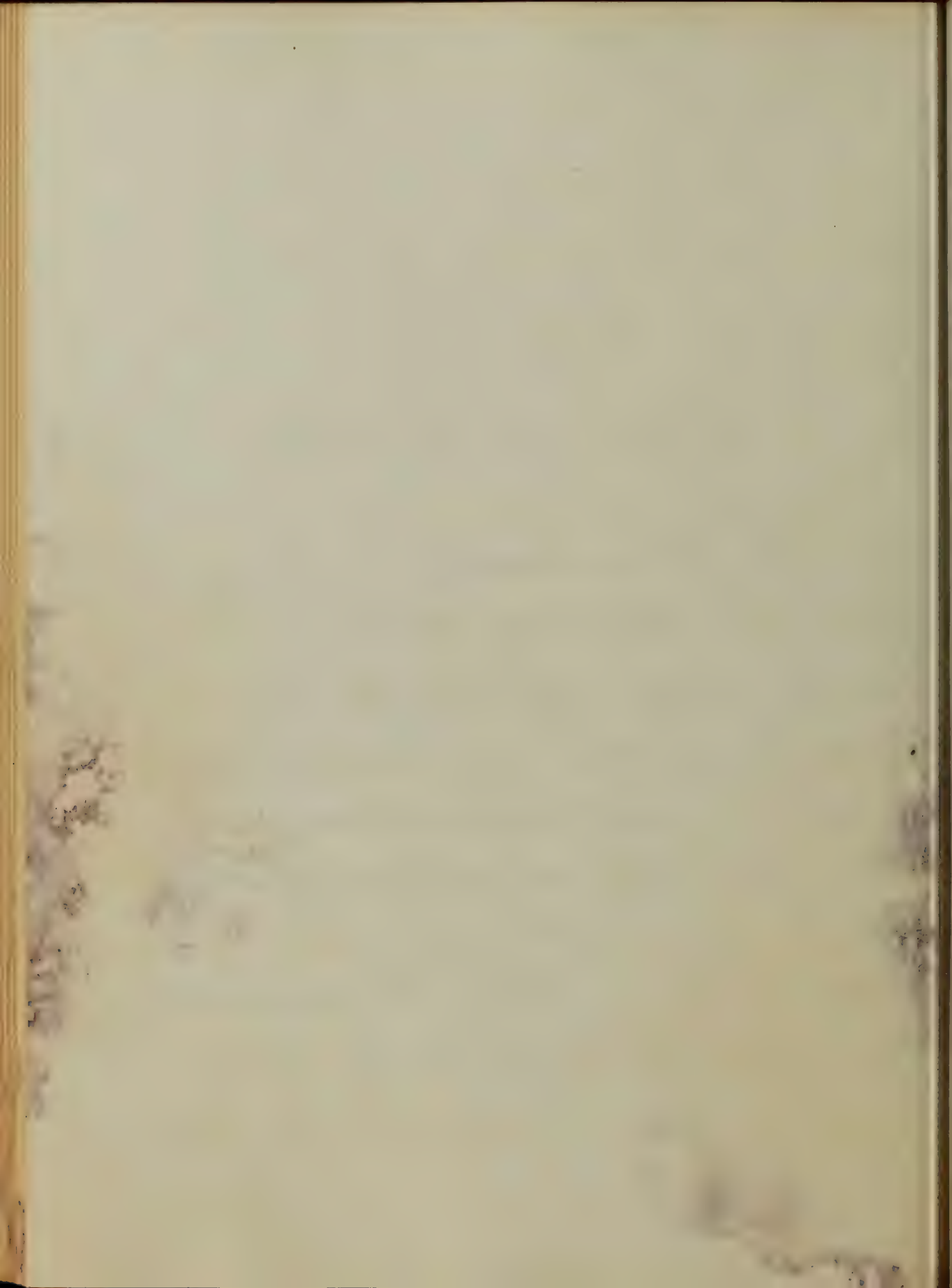
By
Samuel C. Tripper

1875-



Sporadic Dysentery

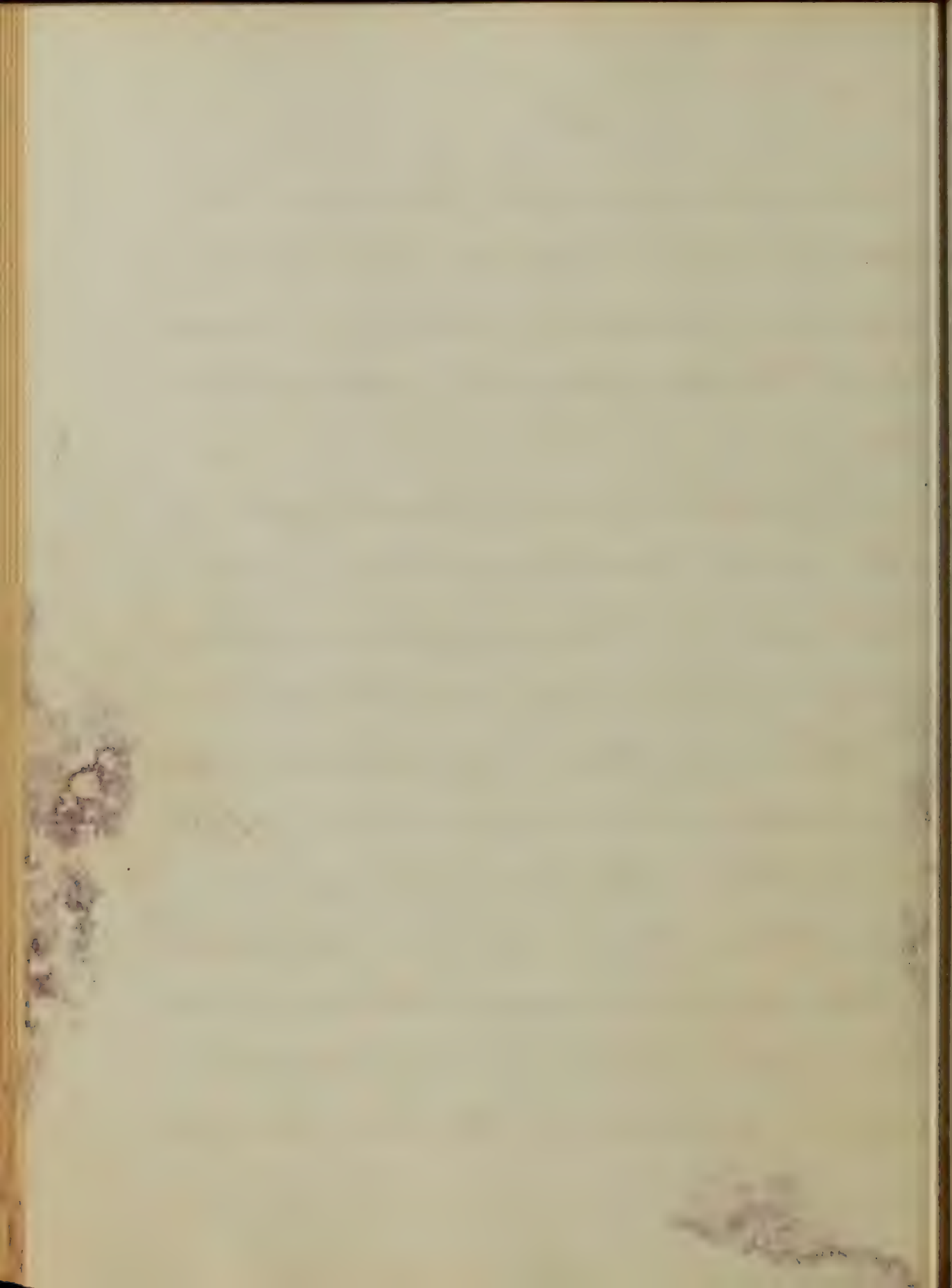
The term dysentery is derived from two Greek words. *Dys* hard or bad, and *enteron* a piece of the guts - a term though not very distinctive, simply expressing intestinal difficulty, whereas in this disease we have the whole alimentary tract involved in the inflammation, from the Coecum to the verge of the anus. Yet as there is no anatomical name for the large



intestines as a whole, this term for all practical purposes answers, except nothing erroneous or doubtful, in regard to the pathological characters of the disease.

Dysentery is an inflammation of the large intestines, attended with mucous and bloody dejections characterized by tormina and tenesmus

Sporadic dysentery occurs in practice as an acute or subacute affection; that is the local and general symptoms denote more or less gravity of disease; in one case attacking with great severity prostrating and driving its victims to the bed, then again



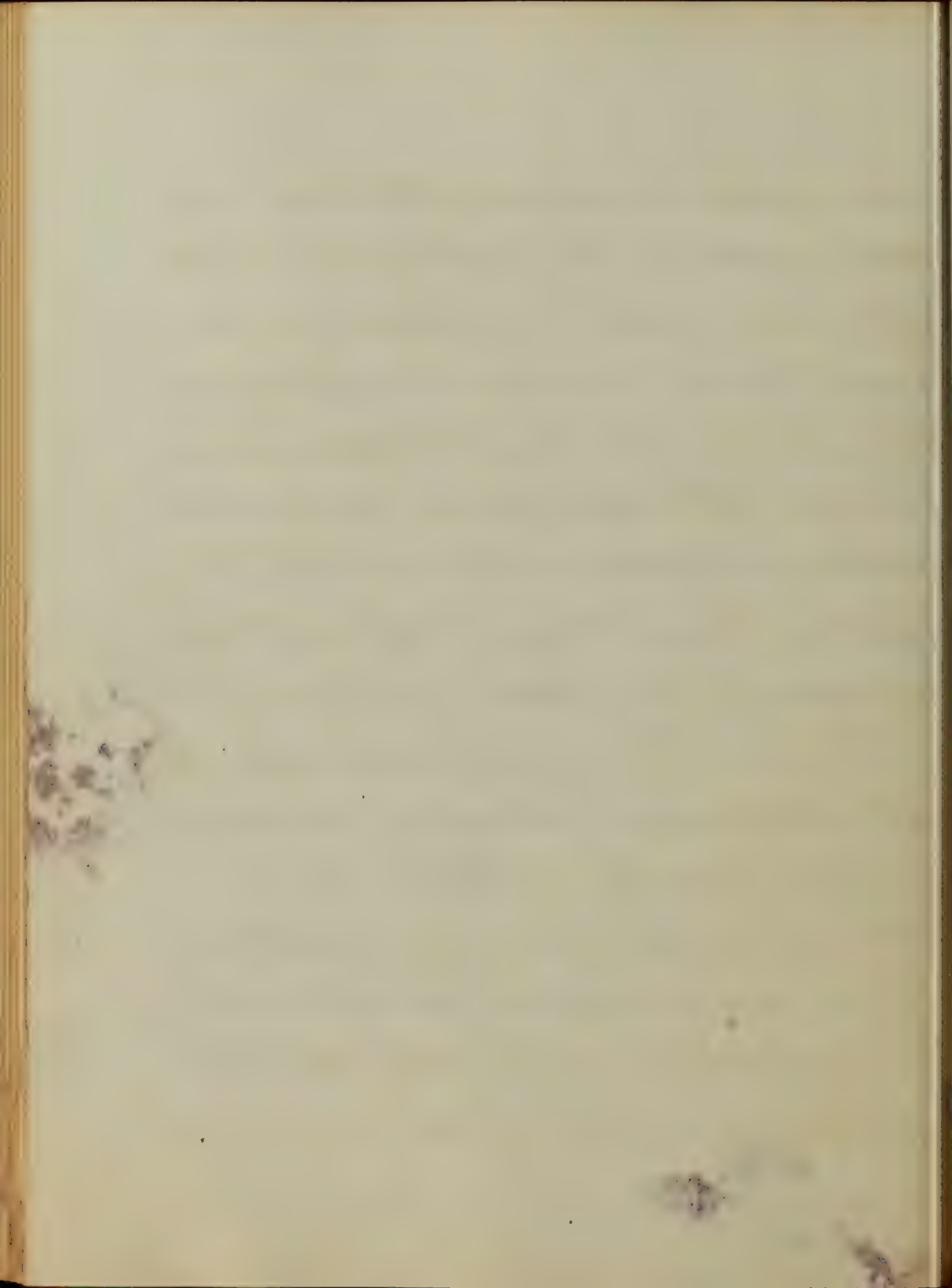
appearing as an extremely mild and almost trivial affection demanding but little attention.

Anatomical Characters - In subacute cases as the disease involves no danger the opportunity of inspecting the parts. Post mortem isn't offered. The inflammation is slight and may be limited in extent being confined perhaps to the rectum. So conjecture, though we would say from the mildness of the symptoms, and its short career that ulceration and other lesions of importance do not occur in these cases, as they do in severer ones. In acute or severer cases the inflammation isn't

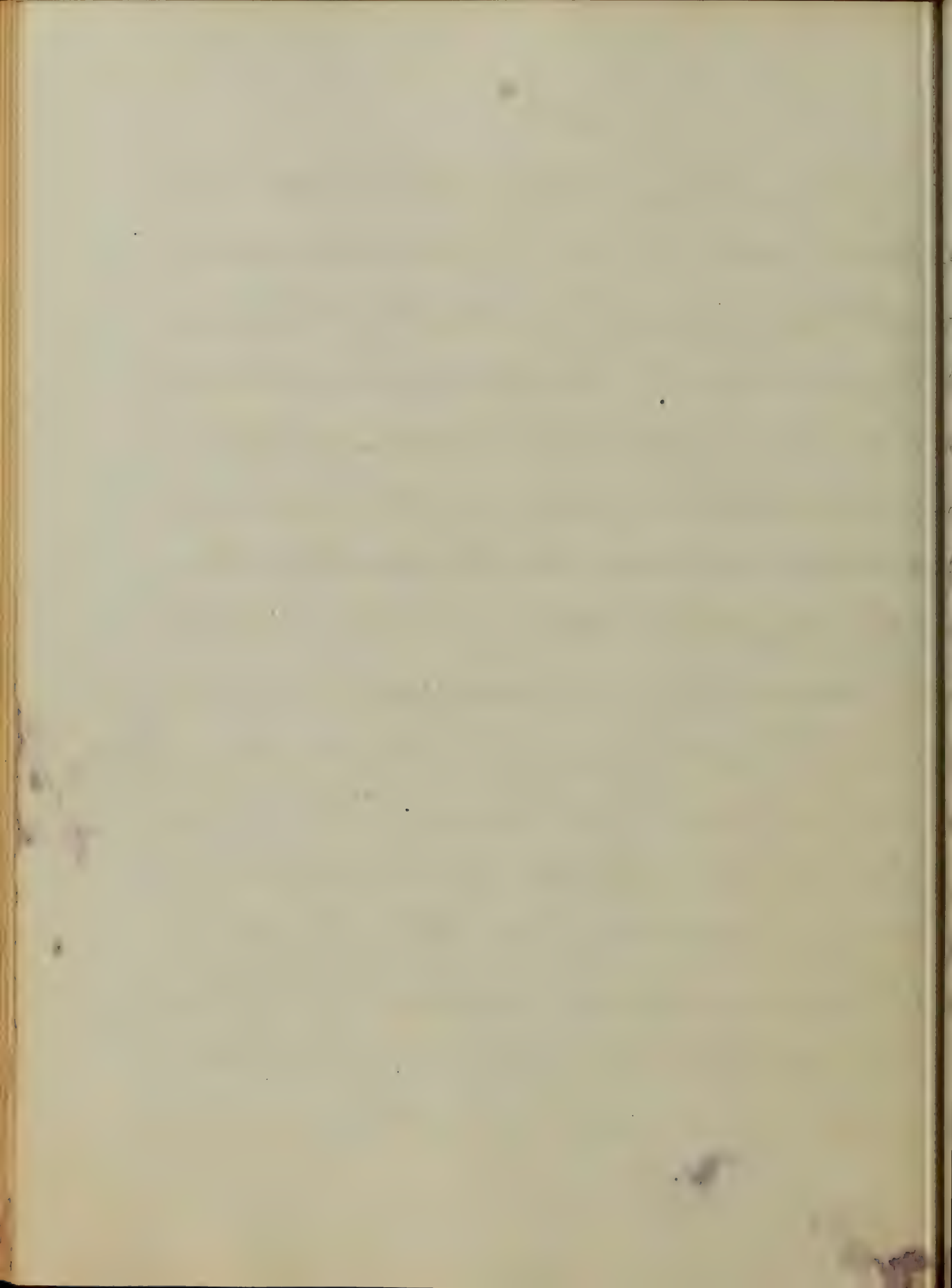


only greater in intensity, but also in extent, involving the greater part or whole of Rectum & Colon. The fatality in these cases is very great and the affected mucous membrane is found upon examination after death to be reddened from active congestion, swollen, soft, pulpy, presenting in different cases according to intensity, ecchymosis, excoriation, from disquamation of the epithelium, abrasion and ulcerations in greater or less numbers.

The redness and swelling are not uniform, generally, more marked in certain portions, more especially the projecting folds of mucous mem.



brane. The swelling of the mucous membrane is due to submucous infiltration and it is great at times as to give rise to protuberances, looking like warty growths. Patches of fibrine are sometimes found. We find in the small intestines morbid matter like the dejections during life, composed of mucus, pus, serosanguinolent liquid &c. The intestines present a dark, and almost black appearance from congestion. As a rule the local lesions increase in intensity from the upper part of large intestines downward to the anus the greatest amount being at the rectum, and sigmoid flexure.

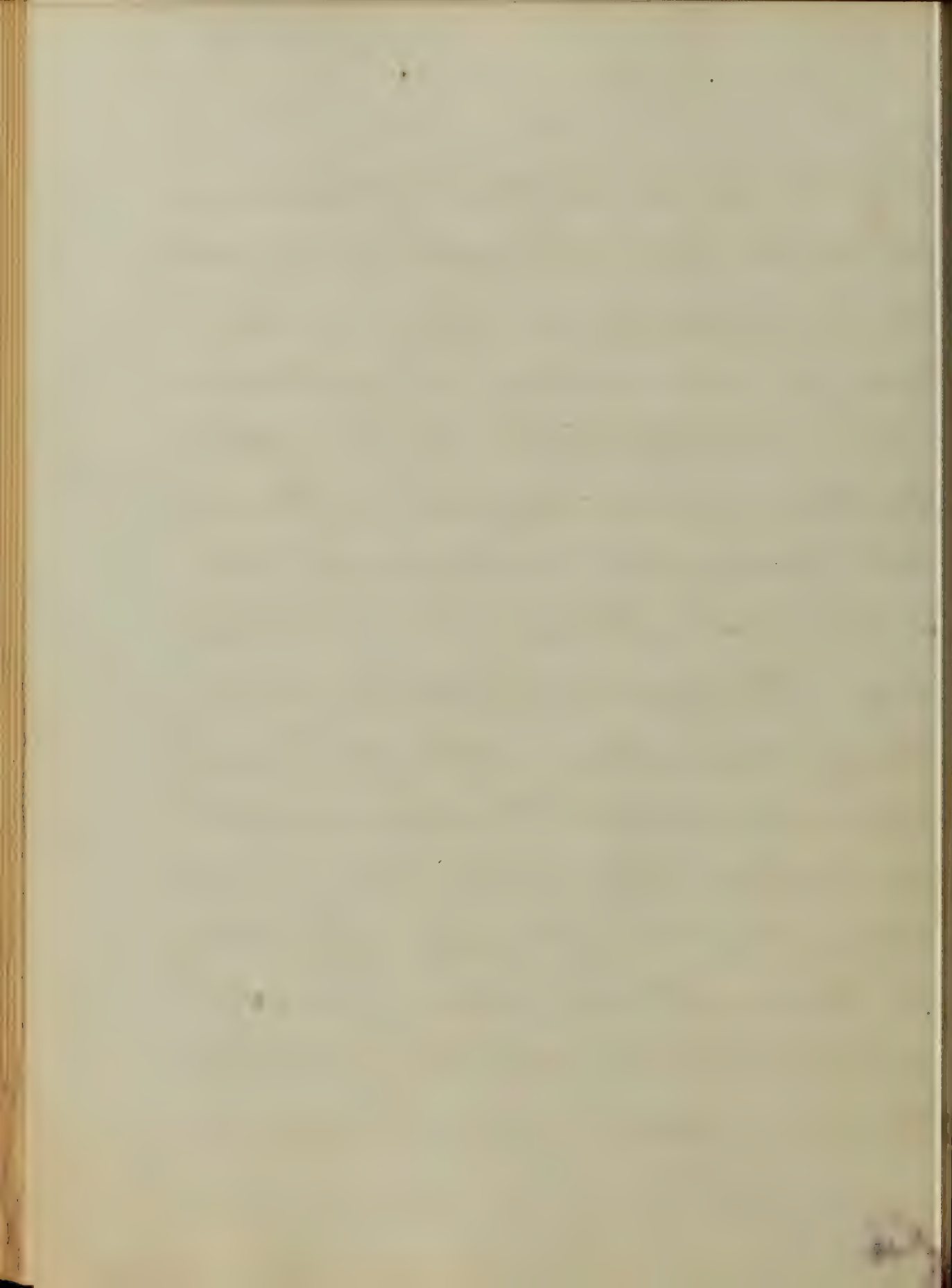


Whether the morbid appearances in dysentery denote ordinary inflammation, or whether they are due to a peculiar morbid process; also whether the glands and follicles are generally, and primarily involved are questions that remain yet undecided. The mesenteric glands are sometimes enlarged, and in some instances contain pus. Stricture of the intestine in some cases is produced by cicatrization of ulcers.

Clinical History - This disease is generally ushered in by an ordinary diarrhoea varying from 24 hrs to 7 days. Following this prodromic diarrhoea there are crampy pains, impaired appe-

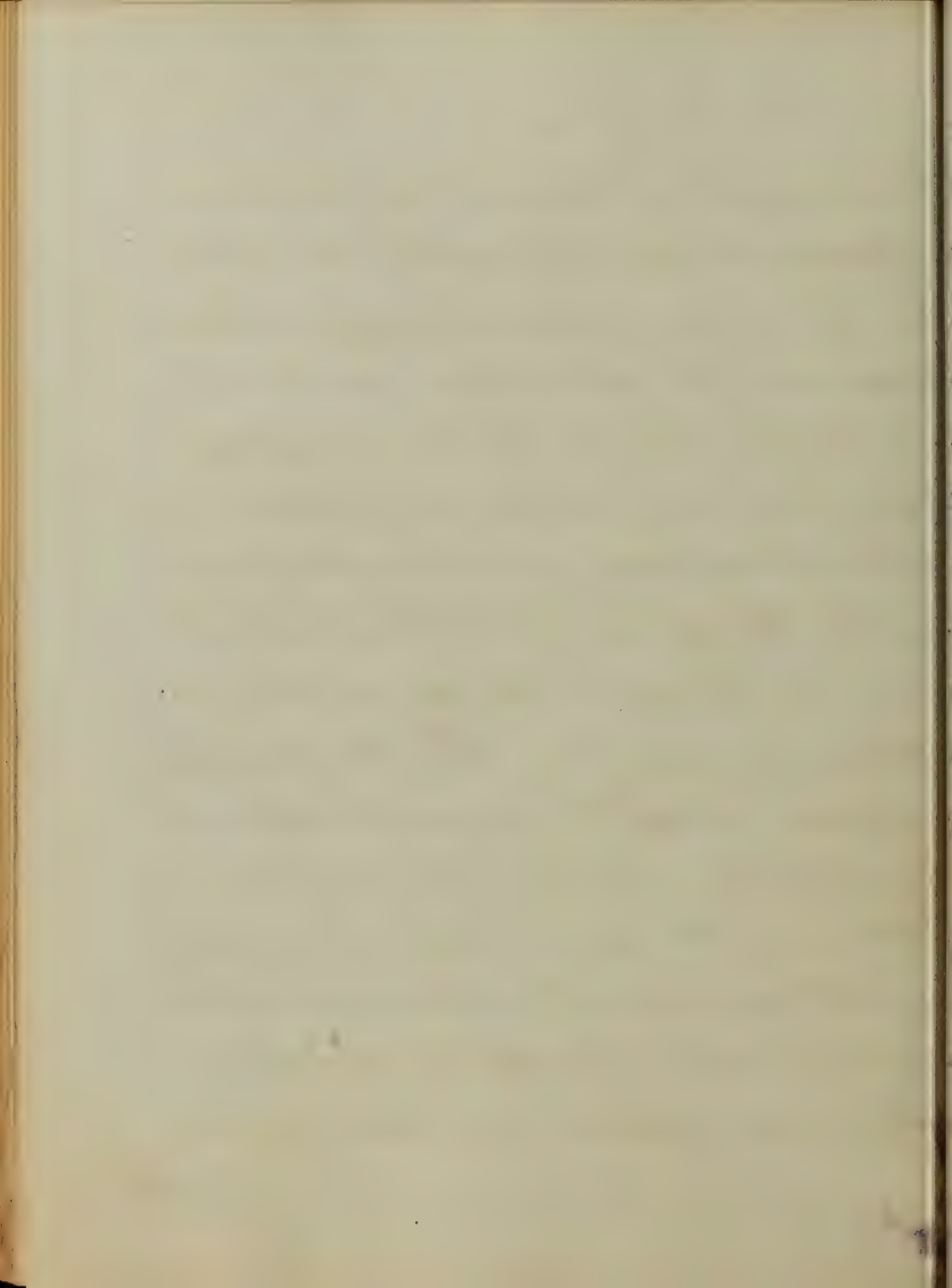
fit, and a sense of general malaise, a chill which in other affections is among the first symptoms in this is rare, and even chilly sensations are not common.

The outbreak of the disease is marked by characteristic evacuations of mucus with more or less blood present by severe griping pains known as tormina. The amount passed at each act of defecation is scanty, but the desire to go to stool is frequent, slight evacuations often taking place every hour or two, and sometimes every few moments the desire returns. In some cases the quantity of mucous discharge is abundant, and forms a jelly like mass known



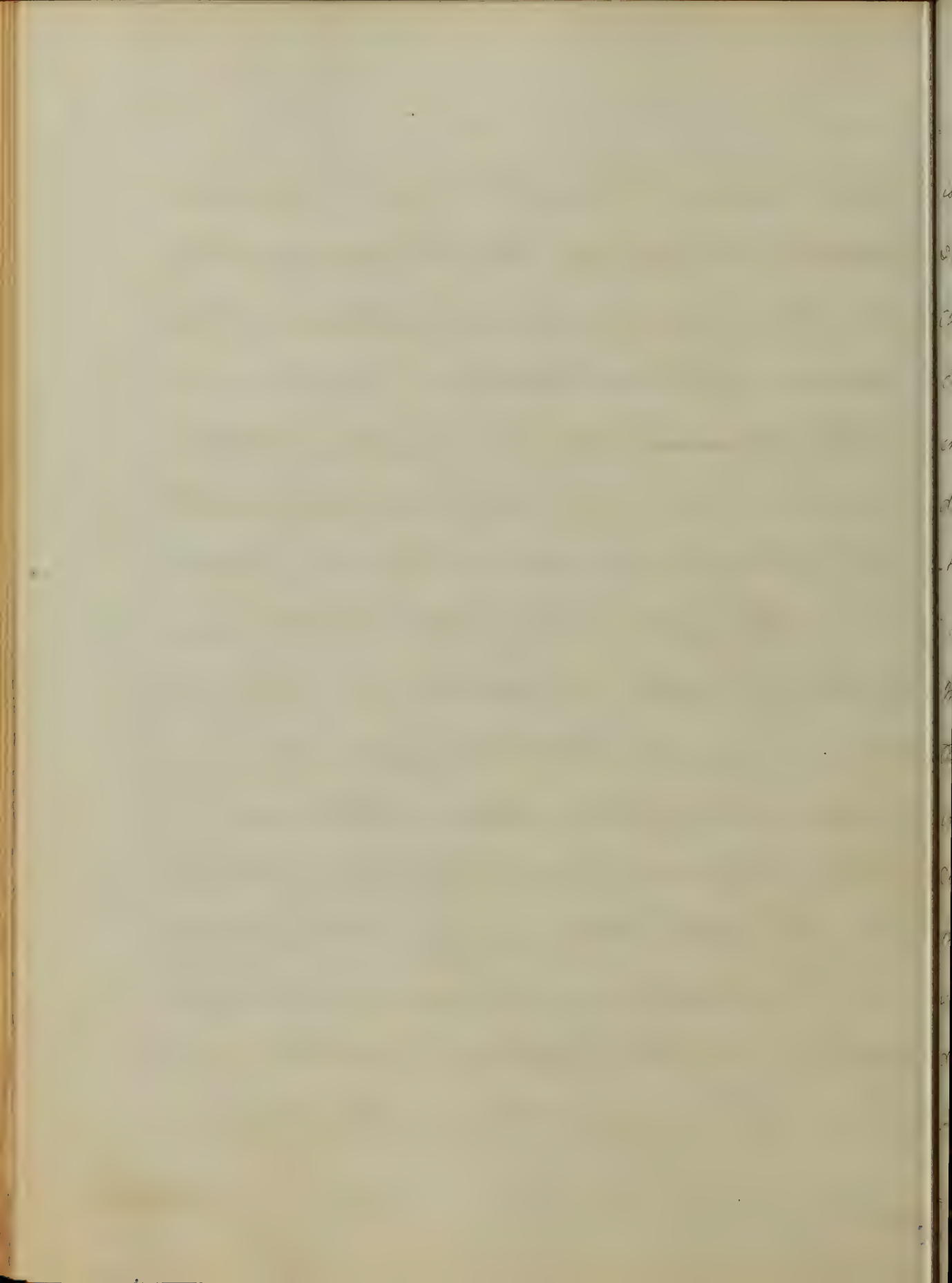
by the popular term *slime*, resembling the "scrapings of hogs guts". Sometimes in Sporadic cases but oftener in Epidemic dysentery, the evacuations contain fibrinous flakes in greater or less quantity according to severity of attack.

There is seldom any lumps found in the stools, and little feculant matter, the dejections being generally exclusively dysenteric; often this presents a green color. The dejections upon examination are found to be rich in albumen, the greater part coagulating on the addition of nitric acid. In the gravest cases lumps of coagulated blood are occasionally passed. The

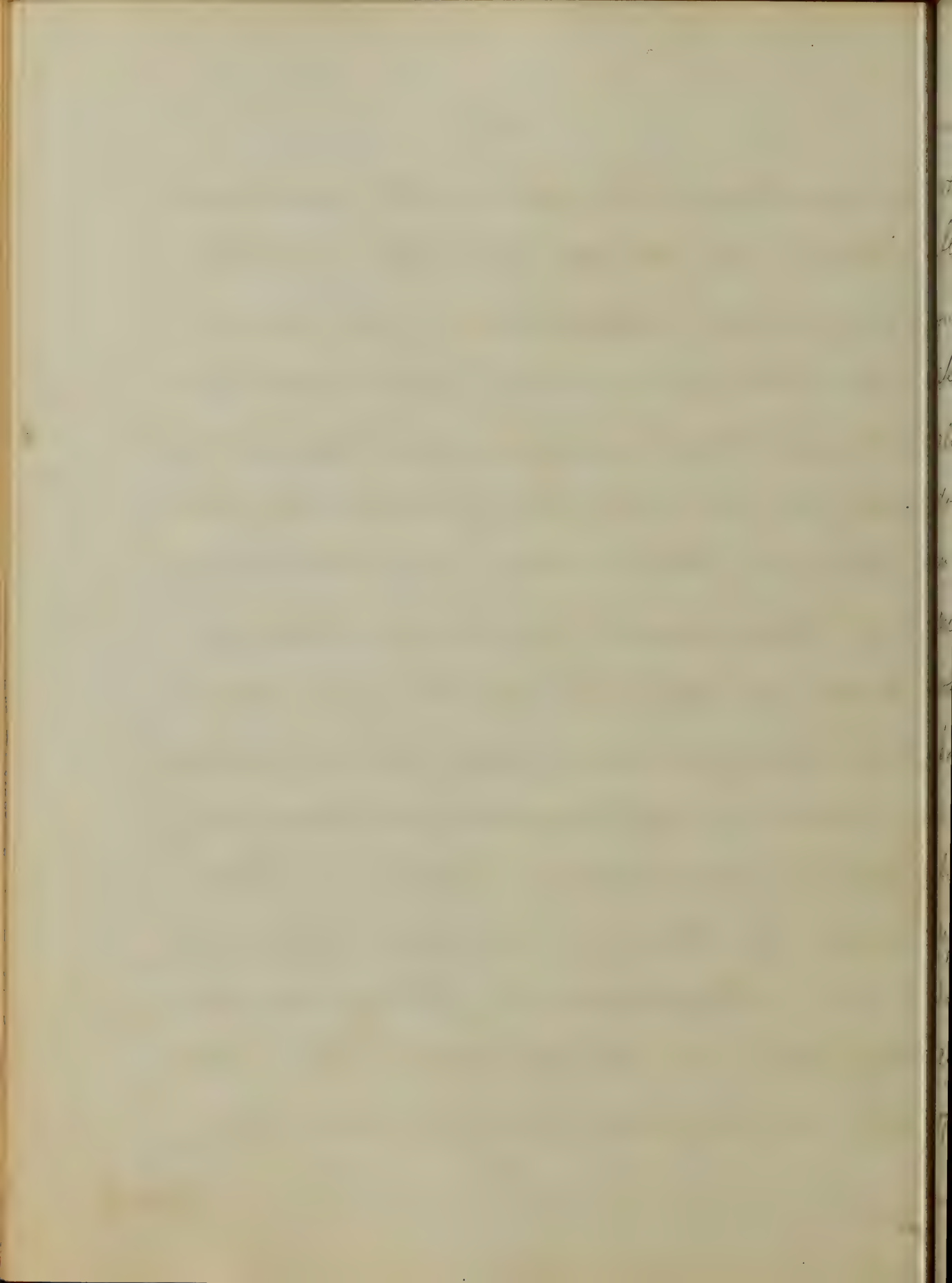


extent and intensity of local lesion is readily recognized by the amount of morbid evacuations together with the absence of fecal matter. In the course of the disease the evacuations may contain more or less purulent matter, but oftener found in chronic dysentery. The odor from the disjections is that of putrid or cadaveric fetor; an odor says Dr. Parks to be the most offensive of all the organic effluvia.

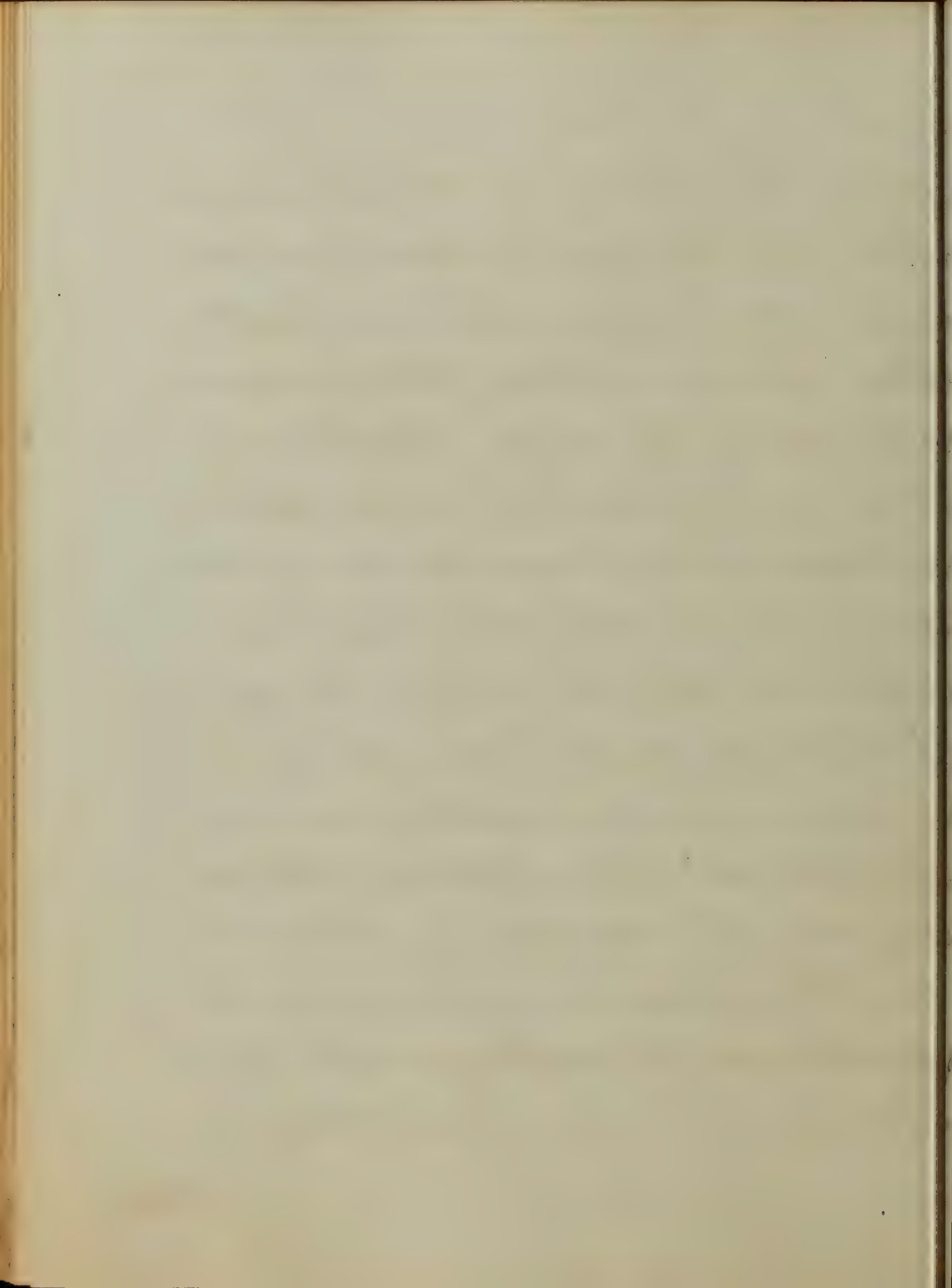
The almost constant desire to defecate, with straining, or tenesmus as it is called, is occasioned by a excitation in the inflamed rectum as if it were filled. Prolapsus of the rectum



is sometimes brought on by constant straining. The great suffering that the patient experiences is caused by the tenesmus, and tormina; yet however they do not always show gravity of disease, as they are sometimes wanting in fatal cases, and are among the prominent symptoms in some mild cases. The abdomen is warmer than usual, and tenderness on pressure is more or less marked over descending colon, and occasionally over whole tract of large intestines. Tympanitis is rare, the abdomen being usually depreked. In mild cases there is little or no fever, but in severe ones

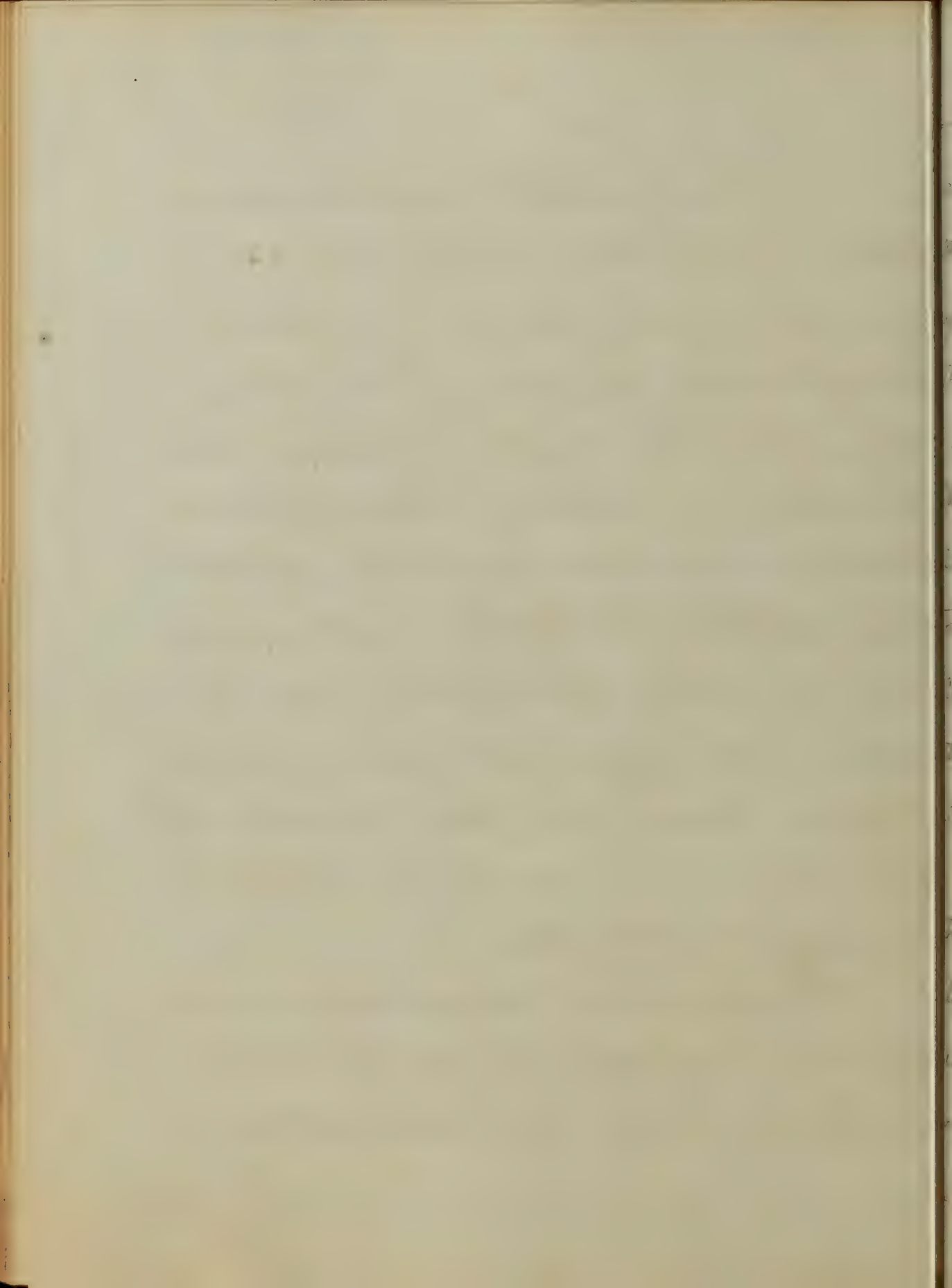


when the patient is robust, and inflammation more intense and diffused than usual, fever is high and skin hot & dry. High febrile movement always denote danger, but the reverse does not always hold good, as we find in some fatal cases the pulse never much accelerated. The tongue is white and moist, thirst great, and patient longs for water; anorexia is a prominent symptom, and all but the mildest articles of food are rejected. The stomach is irritable and vomiting occasionally occurs as a symptom, the matter vomited being of a greenish color. The intellect as



a rule is not affected, Delirium seldom occurring in those cases which end in recovery; but at times even in fatal ones towards the close of life. Loss of strength varies greatly, in different cases according to intensity & extent of local lesions, also upon condition of patient when attacked. If inflammation is severe then soon perceptible emaciation with loss of strength. The eyes become hollow, face pale, cheeks sunken in, and whole countenance shows signs of great distress.

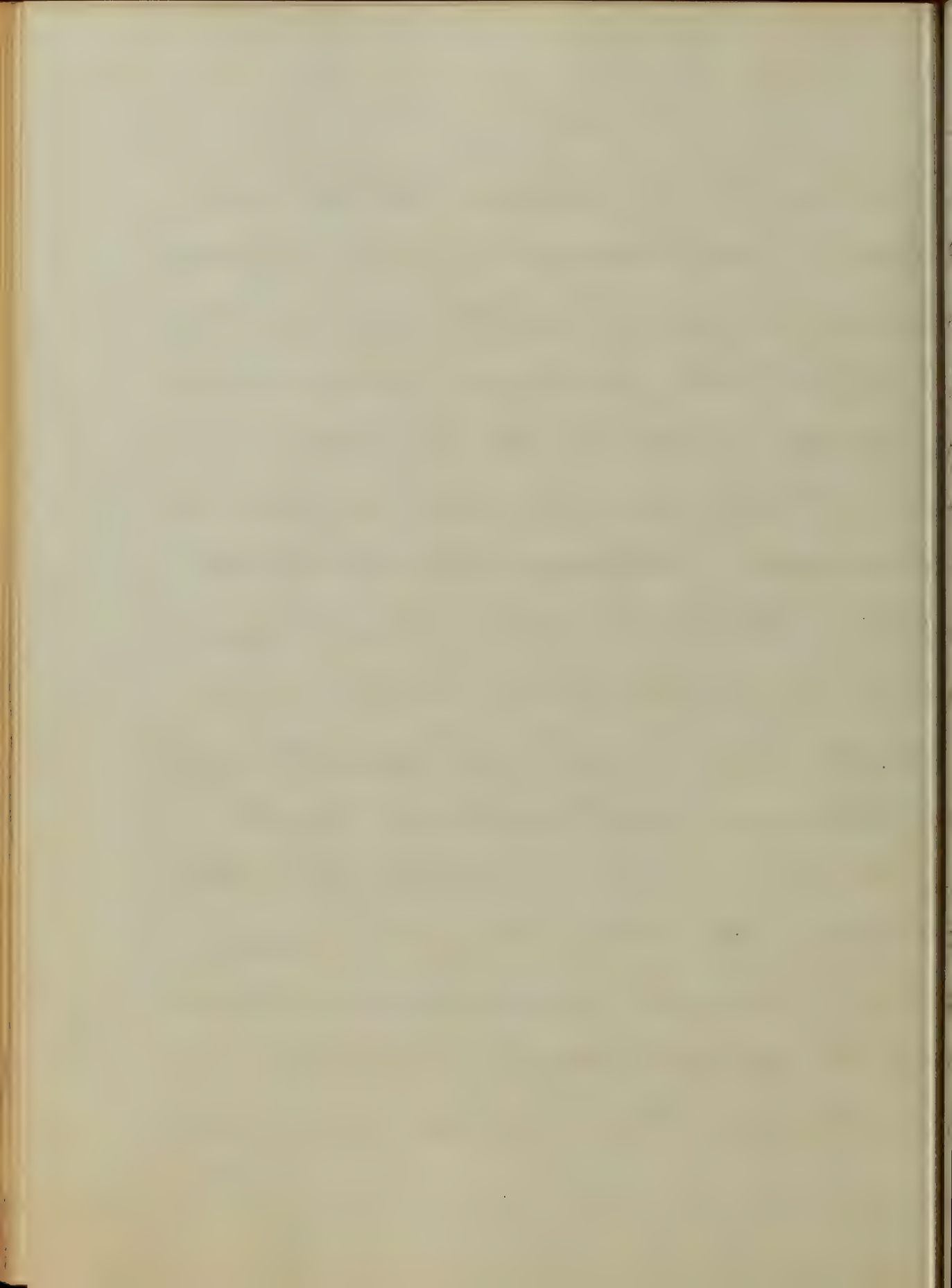
The course of the disease will depend on a variety of conditions such as type, whether it be mild or sthenic



also upon the stage at which treatment has commenced, and still more upon the nature of the treatment and the patient's prudence or the reverse.

In mild cases the duration of the attack seldom exceeds 8 or 10 days, sometimes not more than half that time. Healthy albumen discharges a copious laticitious sediment in the urine, and free perspiration procuring restoration to health.

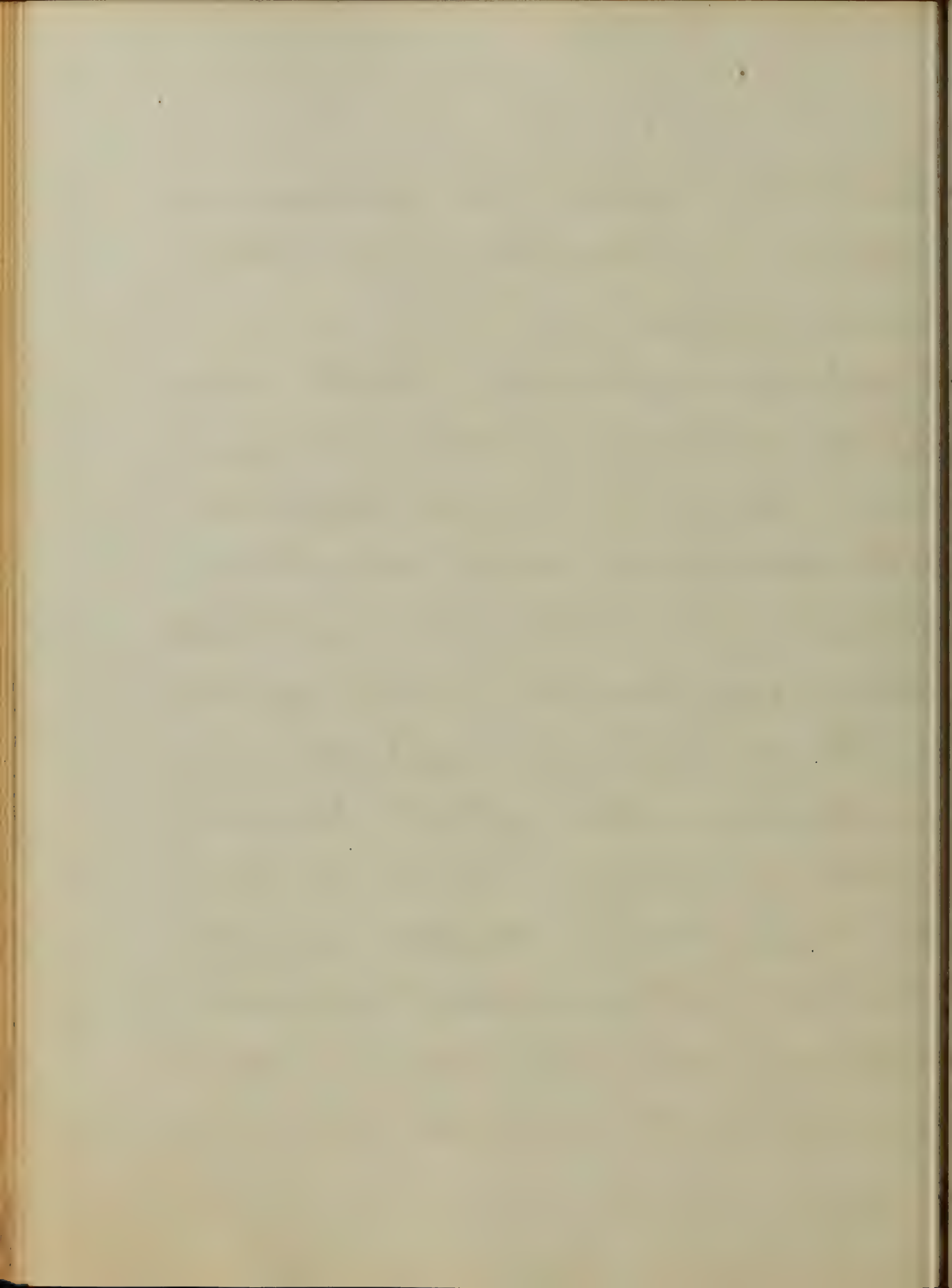
In sthenic dysentery the constitutional symptoms are more urgent, local lesions greater, and if not checked by early treatment is apt to end in death. From 20 cases recorded by



At Flint he found the minimum, ²⁰ and maximum duration to vary from 4 to 24 days.

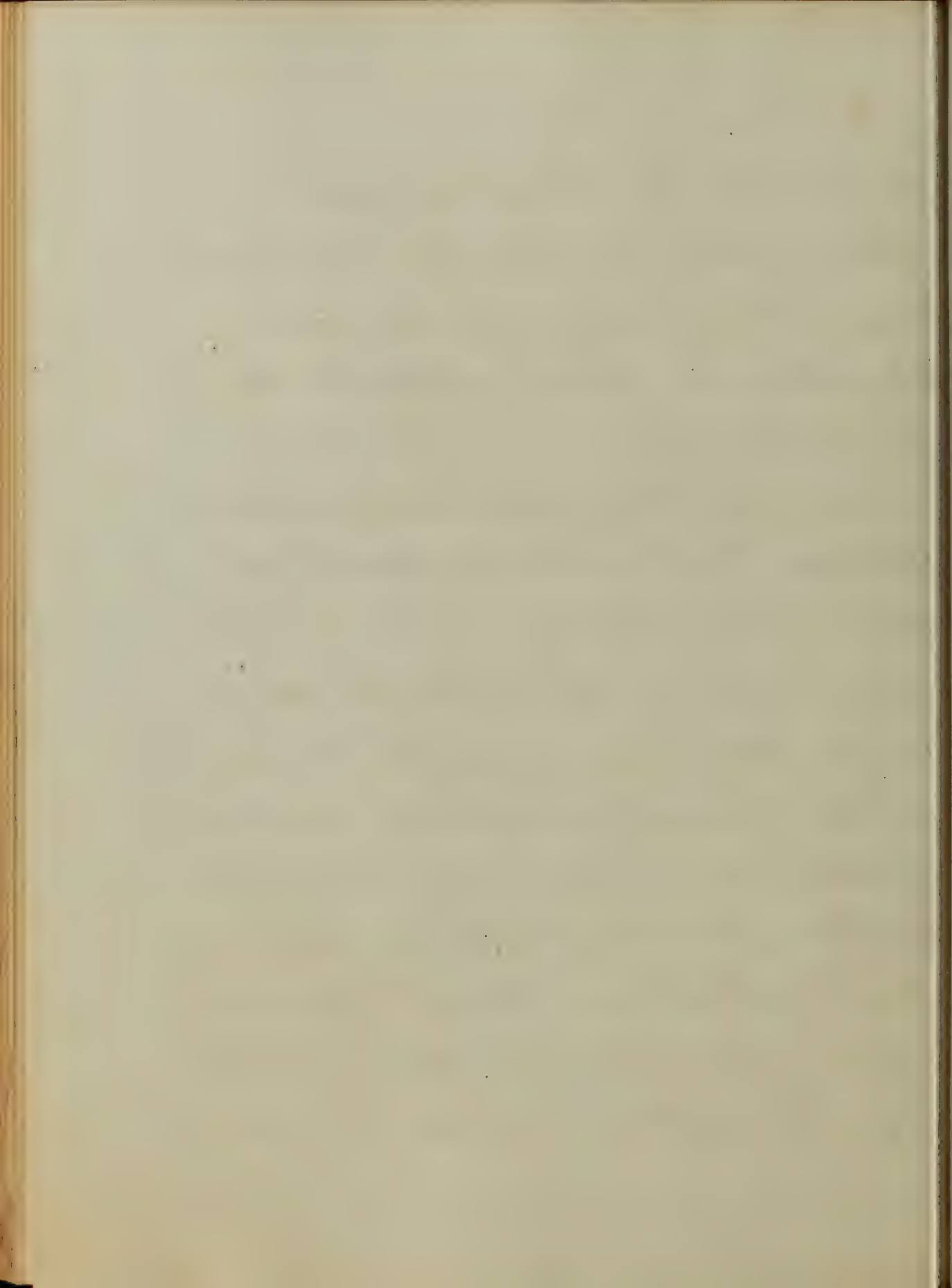
Pathological Character - Little is known of the pathology of Sporadic dysentery other than the intestinal affections; the local and general phenomena which make up the clinical history being symptomatic of this affection.

The disease is a spontaneous inflammation of the large intestine, - if I may be allowed to use the term - and it altogether probable that the inflammation is a local expression of a prior internal morbid condition of which the pathologist



at present has not found out.

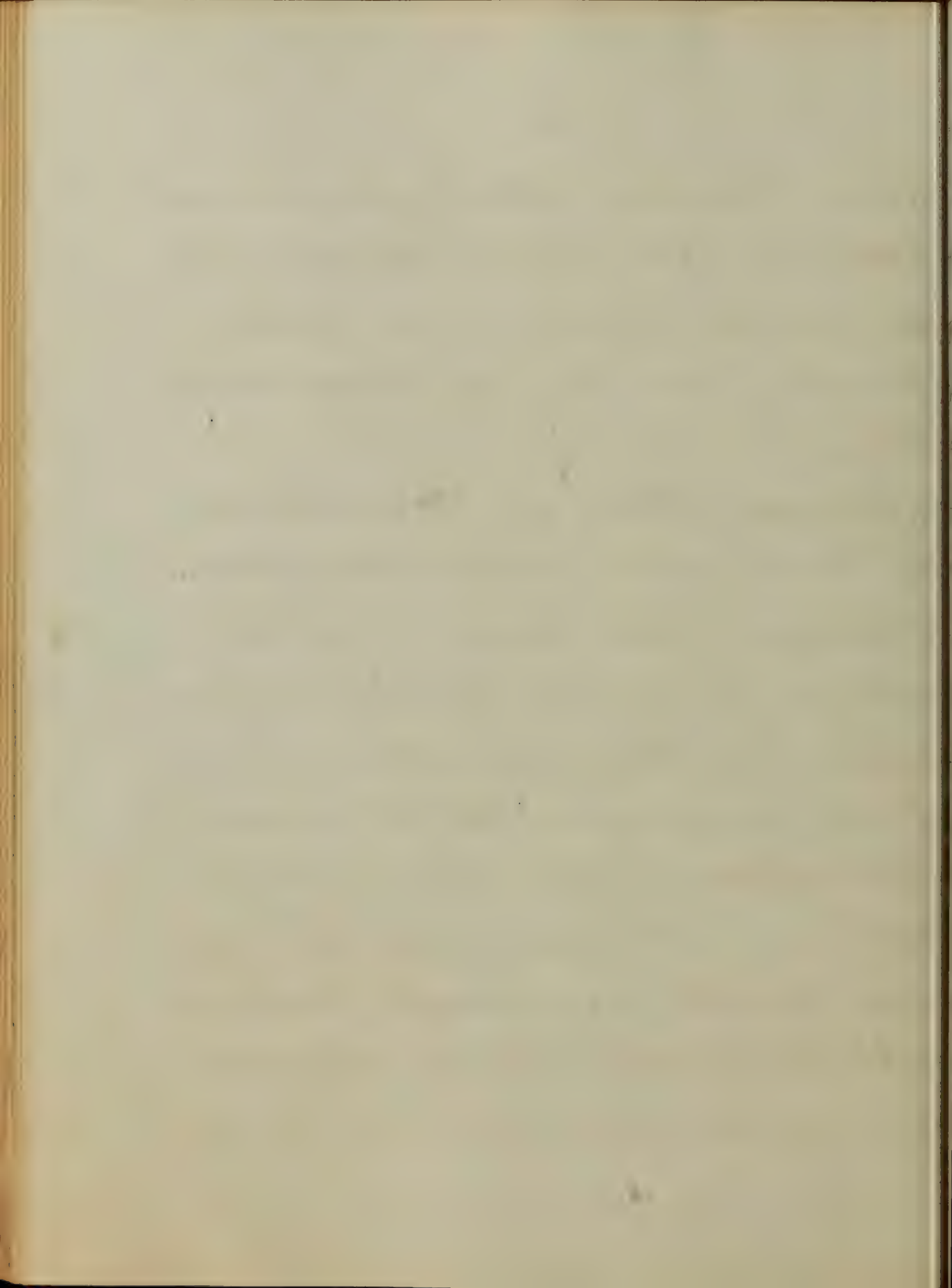
This is not peculiar to this disease alone but to all of the so called spontaneous local affections. We find described in books many varieties of this disease viz. Syphus Belious. Intermittent, Remittent, Rheumatic, febrile + non febrile &c. The terms denote either variations in the phenomenon of the disease or the coexistence of other diseases. These combinations are important in their practical relations but it does not follow that the disease under these circumstances is specifically different from its ordinary



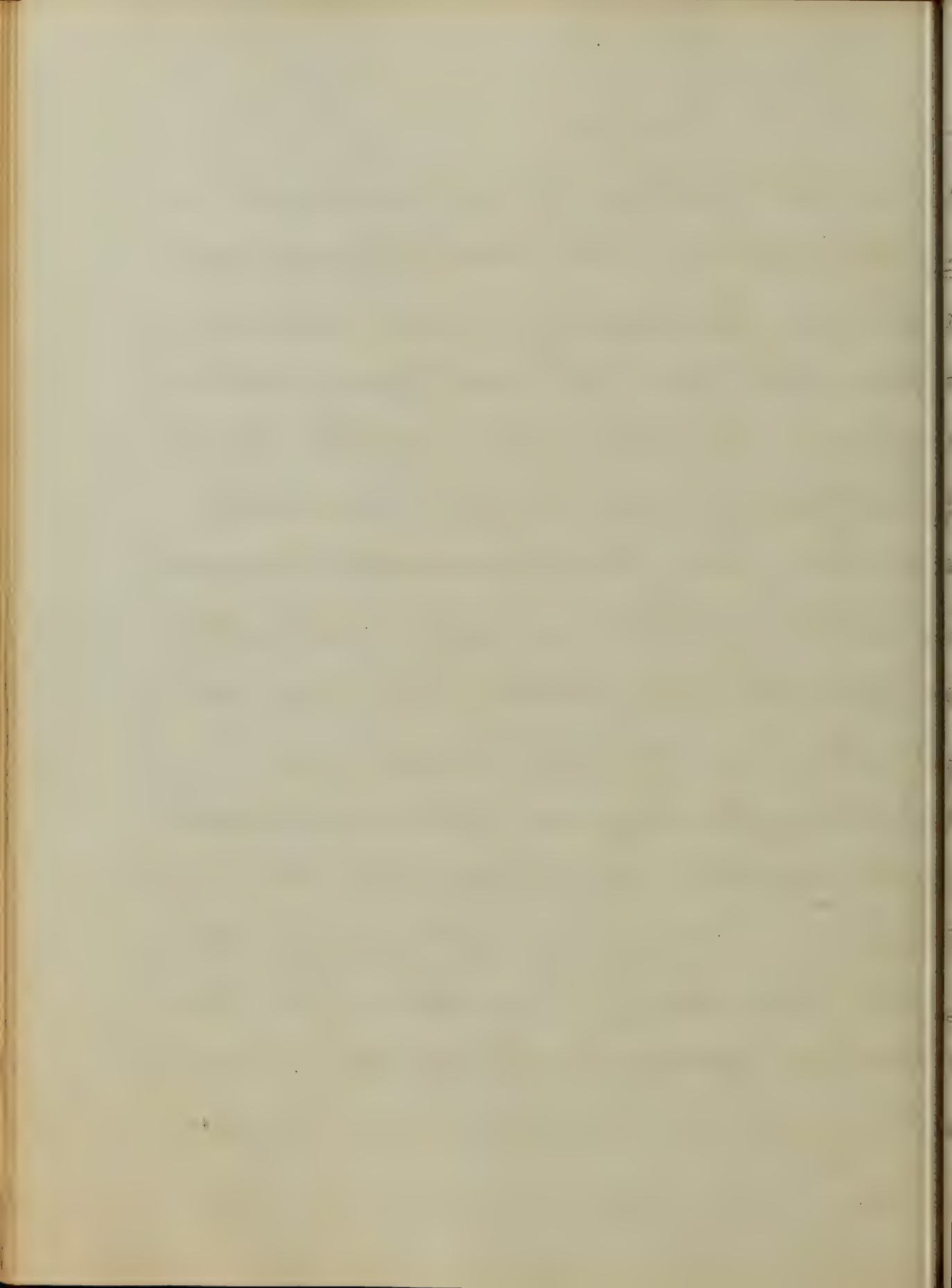
form. Paralysis affecting certain muscles, especially those of the lower limbs has been observed in some cases to either accompany or follow dependency.

Causes - These are vicissitudes of temperature, especially sudden changes from warm to cold, which checks the perspiration and causes a determination of blood from the quæsiæ to the viscera.

Unwholesome food has a potent action in the production of dependency, In this way unripe fruits, or ripe fruits when inordinately consumed, also vegetables, acid wines



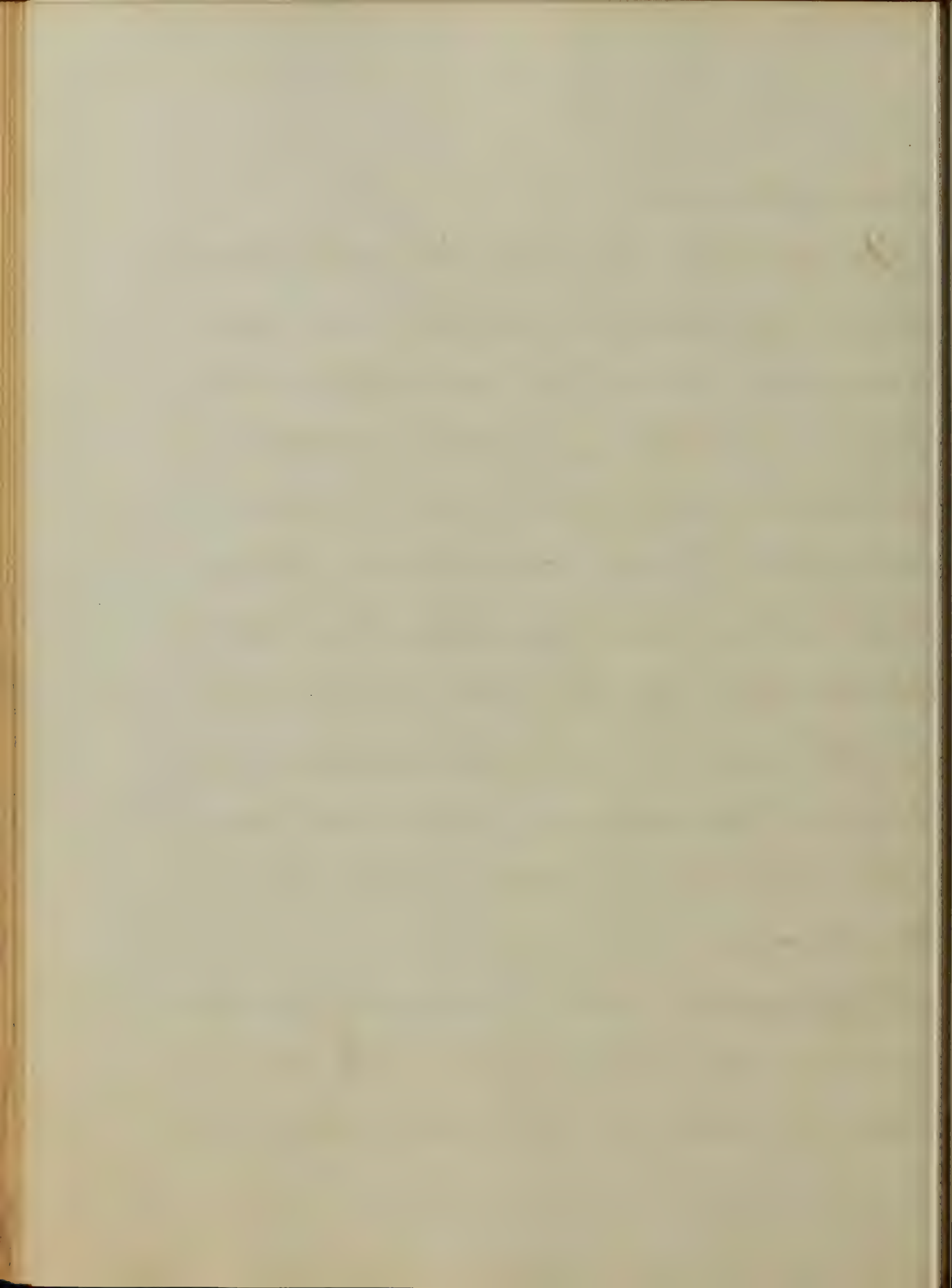
impure water, accumulation of intestines of man, and parenchyma of fruits have particularly been supposed to act. The contagious nature of dysentery has been asserted by some authorities, but as facts are wanted to prove it in this form, (with the consideration of which we are occupied) it is much to be doubted. No age is exempt from liability to this disease, but in the majority of cases the patients are adults under 35 yrs. - The disease is found more frequently in the tropical climates. It also seems to choose certain seasons, being more frequent during the months of July, August



and September.

Diagnosis - This ought not to present any difficulty. In acute cases the tenesmus, tormina, muciform and bloody stools, and above all their peculiar odor, will distinguish dysentery from diarrhoea. If seen in a more advanced stage when the stools have become fluid, the history of the case, the nervous depression, the blood in discharges, and once more their cadaveric odor will establish the diagnosis.

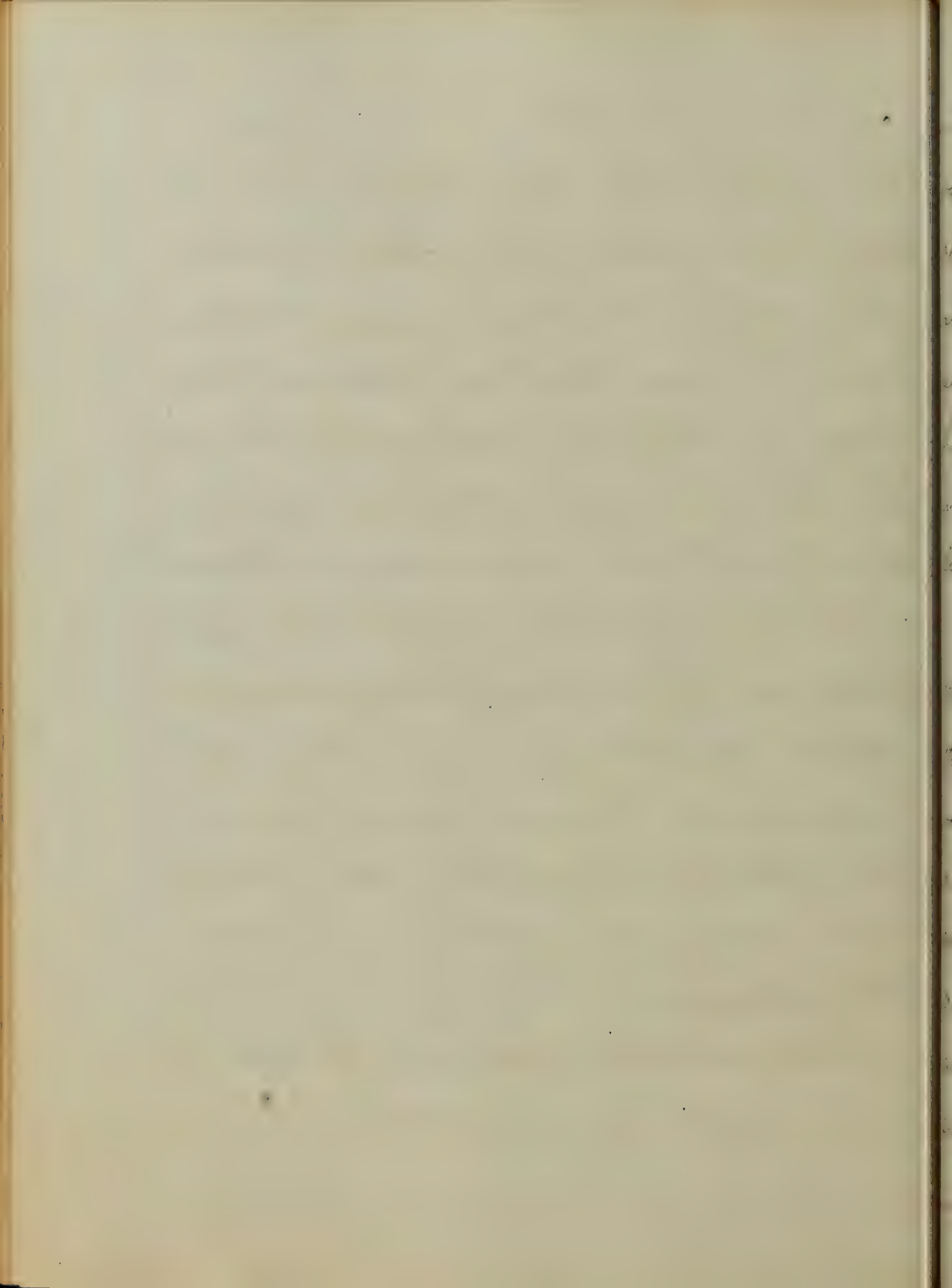
Prognosis - From producing a very considerable annual mortality, as was the case in the Seventeenth cen-



fever, dysentery now occupies a very low place among the causes of death

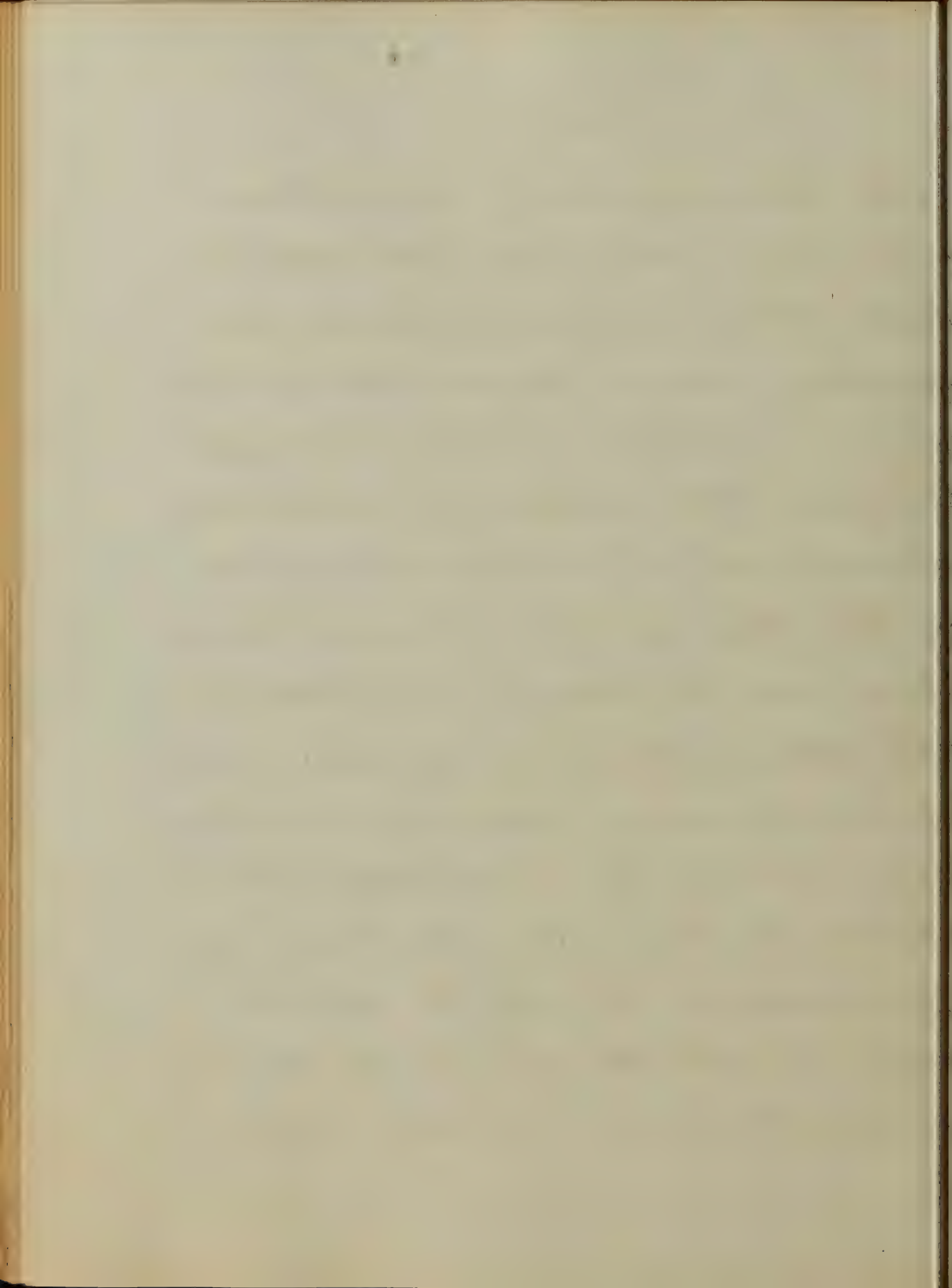
It is a very distressing and debilitating disease, but in temperate climates is attended with very little danger to life. Cases that end fatally is either due to an unusual intensity and extent of local affection, or from feebleness of the constitution, being unable to resist the disease. This disease in temperate climates rarely runs into chronic dysentery, nor does it leave any predisposition to any other disease.

While we have seen above that the prognosis in temperate climates is



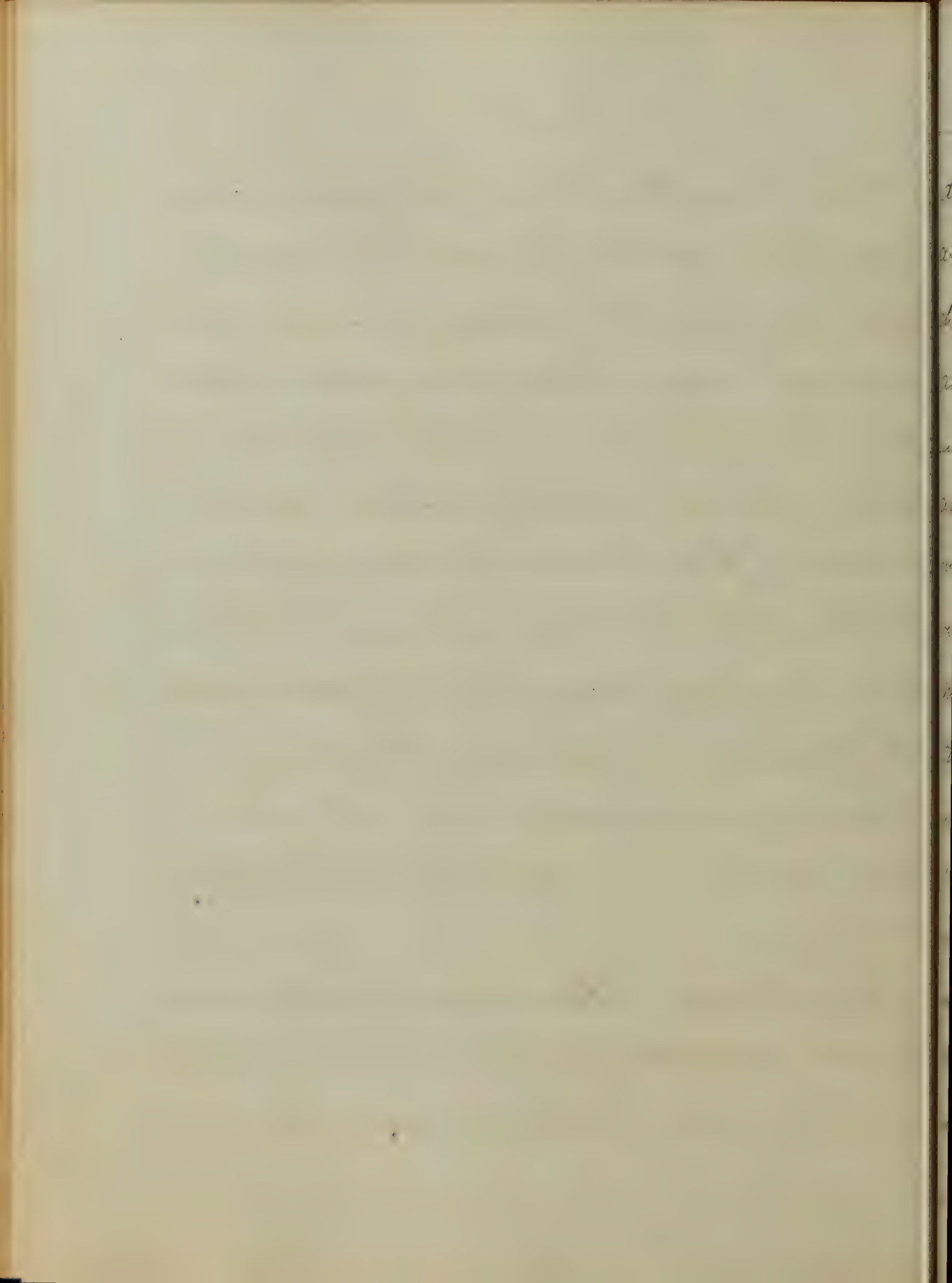
very favorable; yet in the tropical climate is very undoubtedly less favorable. Here we have the disease presenting itself in its most malignant form; and leaving behind it, its effects in some of the viscera, e.g. abscess of the liver is not an unfrequent sequelae.

The grounds for a favorable prognosis are, the original slightness of the attack, the absence of much nervous depression - a natural countenance with a pulse of good strength and moderate frequency - the absence of gangrenous odor in the stools; and lastly the absence of any signs of serious hepatic complications.

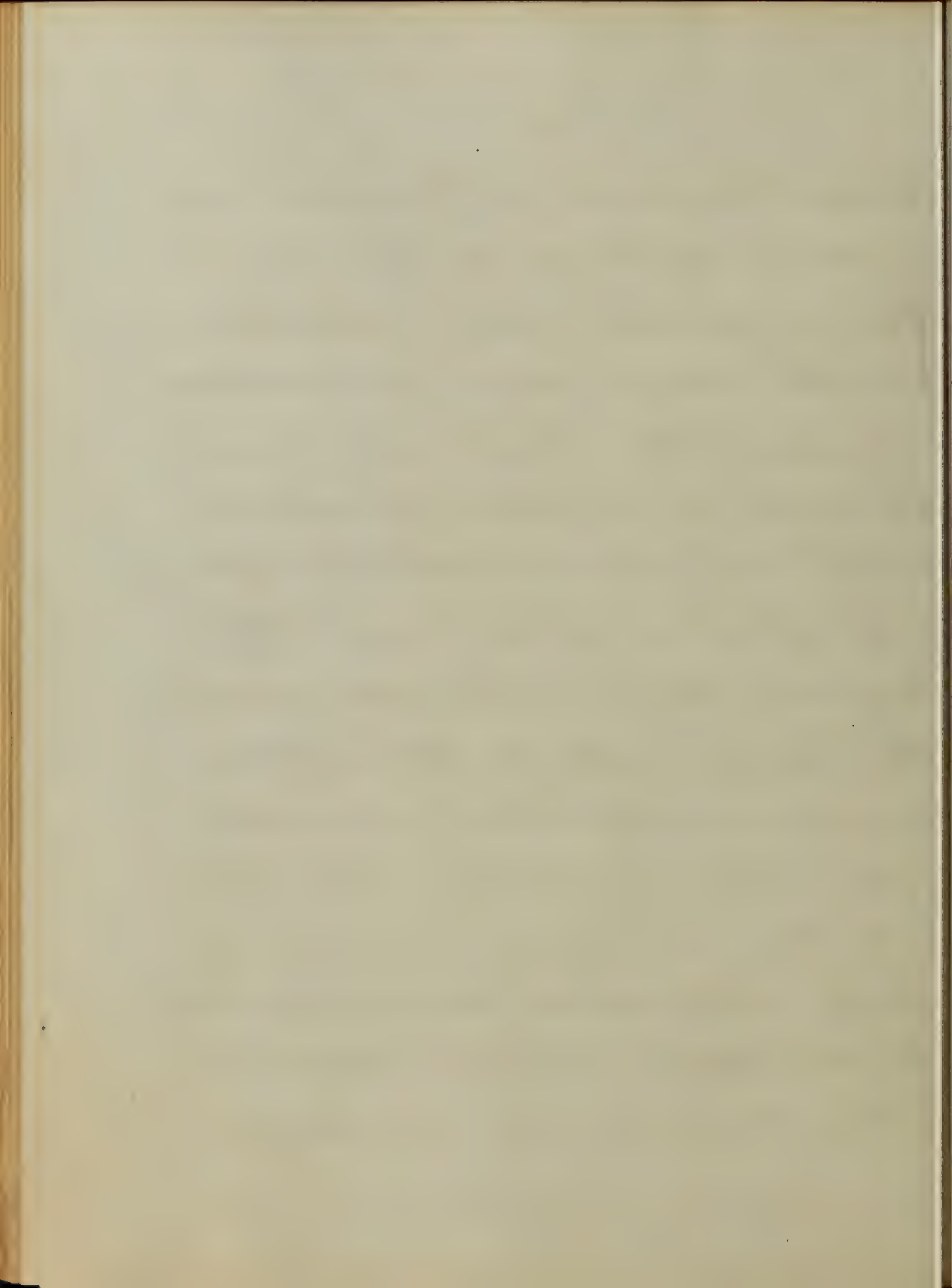


On the other hand a rapid failure of the nervous, and circulatory system; a pulse increasing in frequency and failing in strength; an anxious and sodden countenance extreme restlessness; sudden subsiding of pain with increasing frequency of the stools of a gangrenous character; hemorrhage from bowels mouth or nose, hicough; black and dry tongue, suppression of urine and delirium, all point to extreme danger.

Treatment Dysentery in mild cases would doubtly end in recovery without medical treatment; but by ju



dicous treatment, we believe that the disease is sometimes arrested, and that its duration may be shortened and the patient relieved of the distressing symptoms - Several cases demand an energetic treatment - Confinement in bed is of primary importance, the very rest favoring the arrest of the malady as much as the movement of the body promote it - Bloodletting was formerly practiced, and is still recommended by some when pain is severe and remains unrelieved by warm applications and rubefacients, leeches applied over the abdomen when the tenderness is greatest will



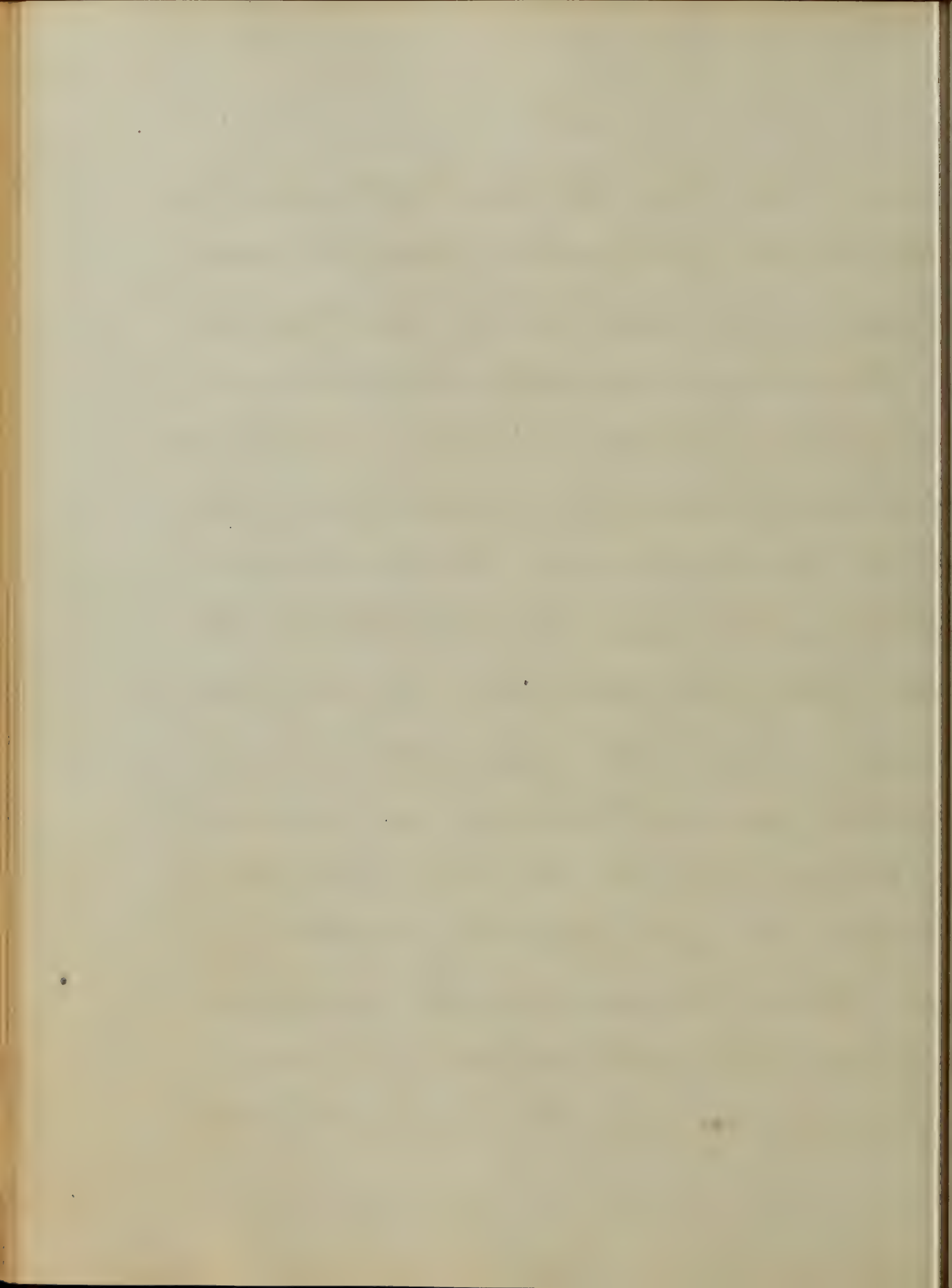
be suitable.

An indication as early as possible to free the bowels of all fecal matter - (if they have not been cleared out already by the diarrhoea which precedes the dysenteric dejections) - in order to prevent their continued passage over the inflamed surface and to procure so far as may be possible the rest of the inflamed parts, is so necessary in all forms of inflammation. For this purpose Castor Oil has been almost universally regarded as the best remedy, combined if there be any great pain with few grs of ℞ Opii; but as there is such a dis-



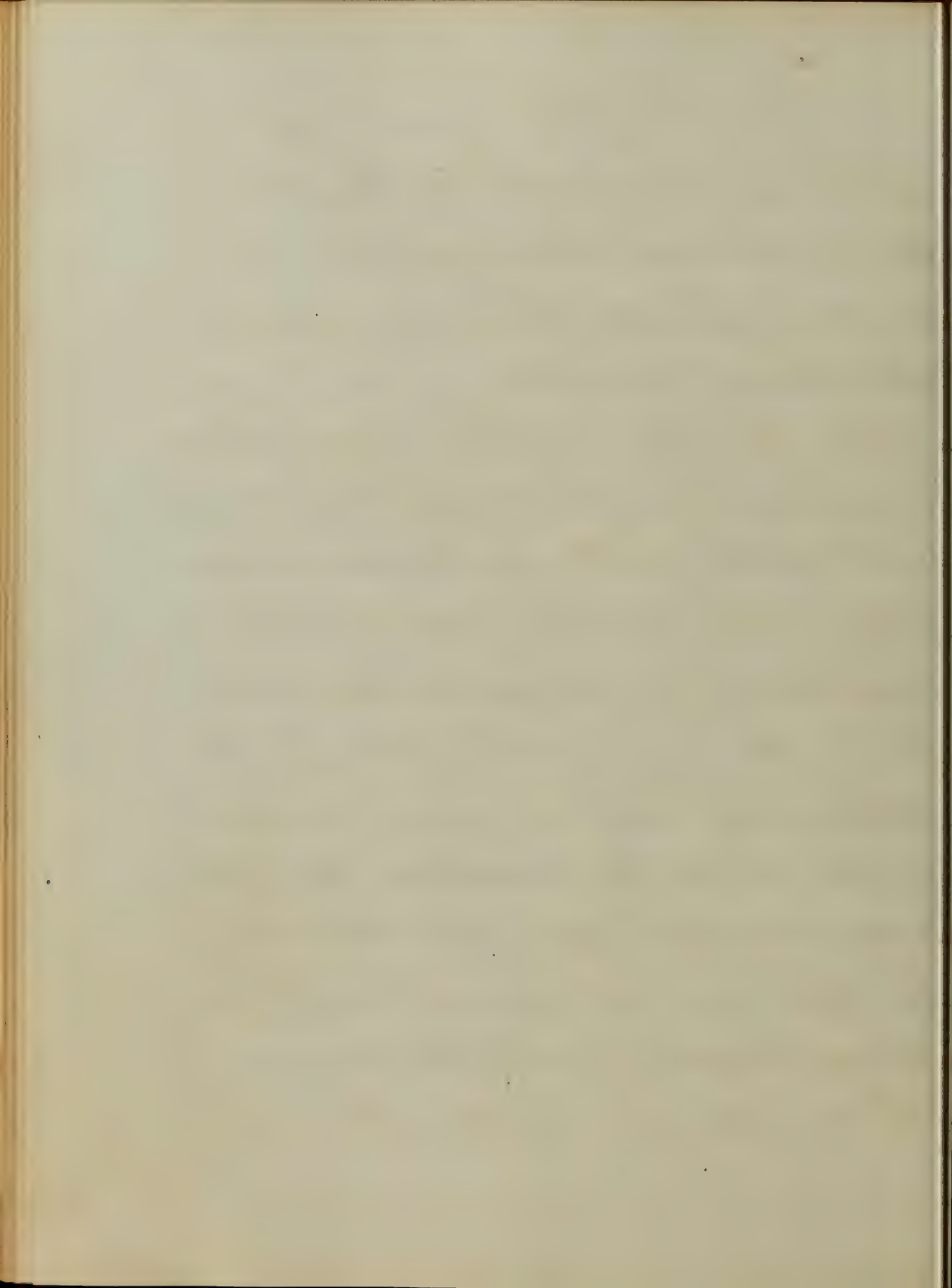
quest, or it on the part of the patient; the saline purgatives may be substituted, and indeed are preferred by some.

The saline secretions should be given in sufficient doses to promote promptly abundant dejections, and then to be discontinued. By this simple treatment it sometimes happens that the tormina & tenesmus are notably relieved and the dysenteric evacuations do not return, and recovery at once ensues: it is but just to state though that this happens only in those cases where the inflammation is not intense, and only limited to the lower part of the

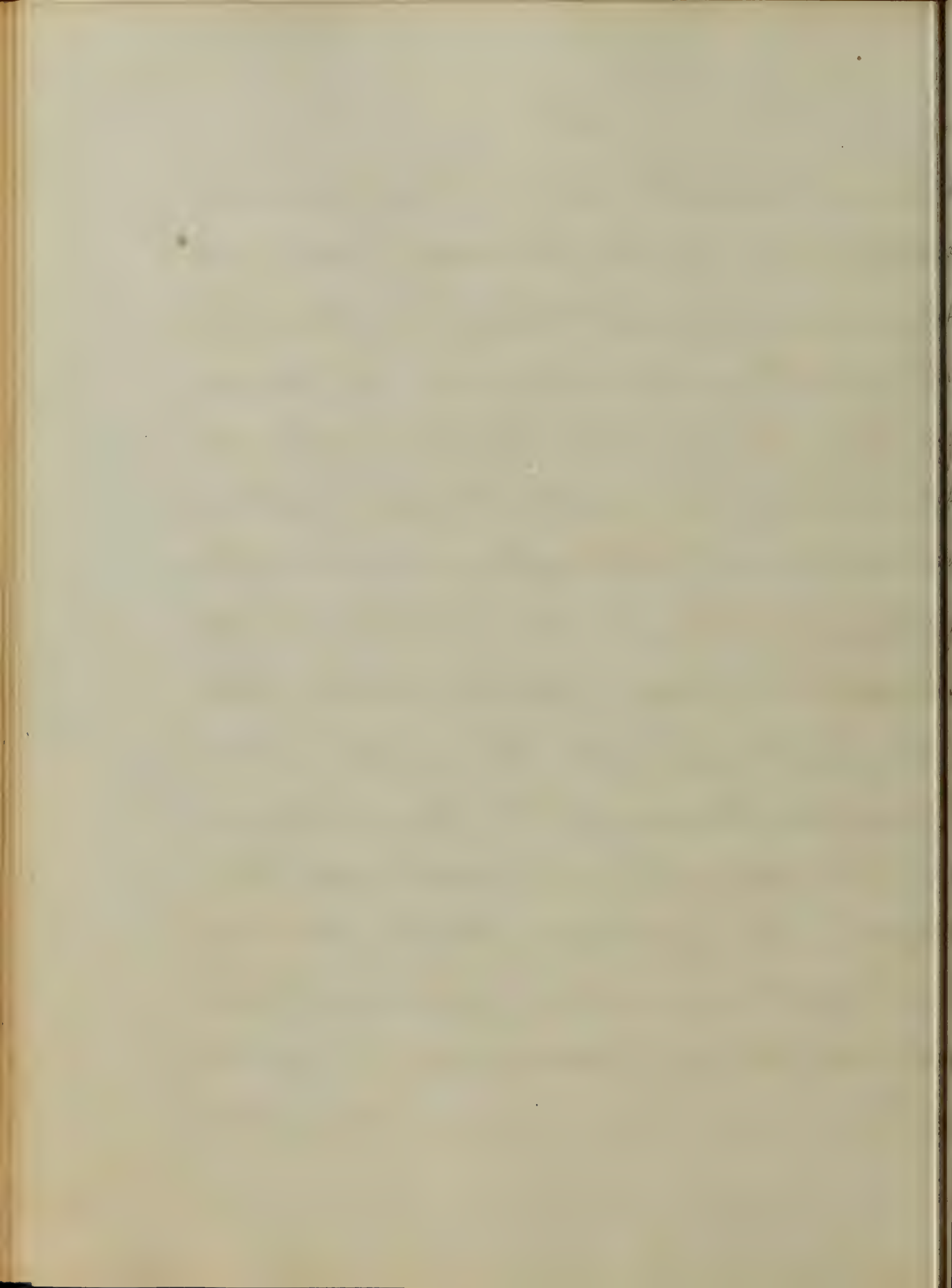


intestines. Probably Castor Oil is better in cases where salines are contraindicated by feebleness of constitution of patient.

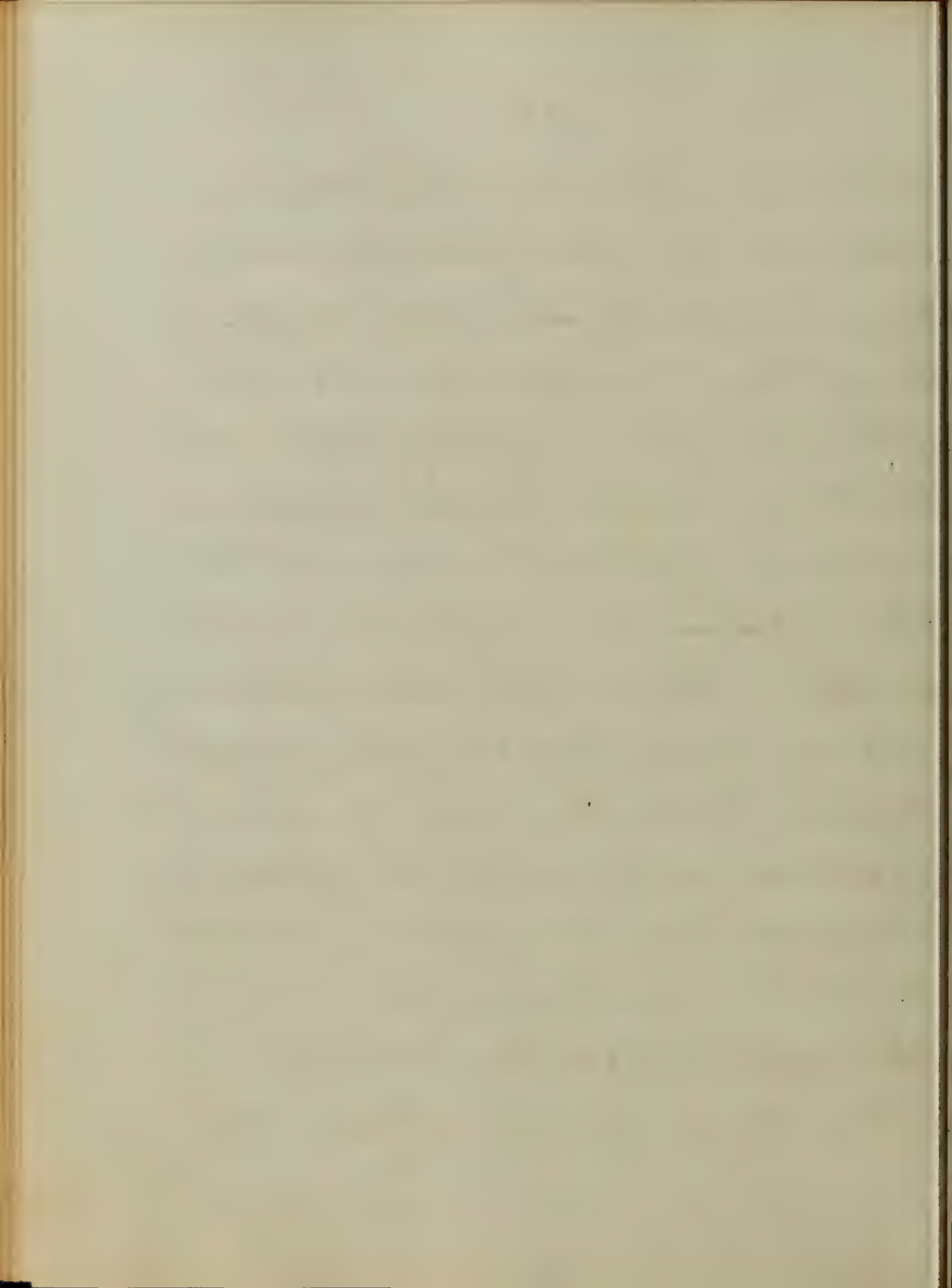
After this preliminary treatment as it were, our next treatment should be directed to the tormina & tenesmus symptoms which give such marked pain and distress to the patient, and tend to break down his vital force; for this nothing can be found more remedial in the whole Pharmacopoeia than Opium a remedy which has been relied upon for ages; and is regarded as the *Suum remedium* in this disease. It may be given in large doses even



every 4 or 6 hrs, or in small ones at shorter intervals. It may be given alone or combined with Opium in form of Dover's Powder. As regards the preparation to use it is better to give the one that agrees with the patient ^{and} continue it throughout course of disease; gradually diminished as the dysentery evacuations become less frequent, and the Tenesmus and Tenismus subsides. After two or 3 days if the symptoms do not abate, the saline purgatives or Castor Oil according to condition of patient may be repeated, and ~~consec~~ administration resumed. Enemas and fomentations

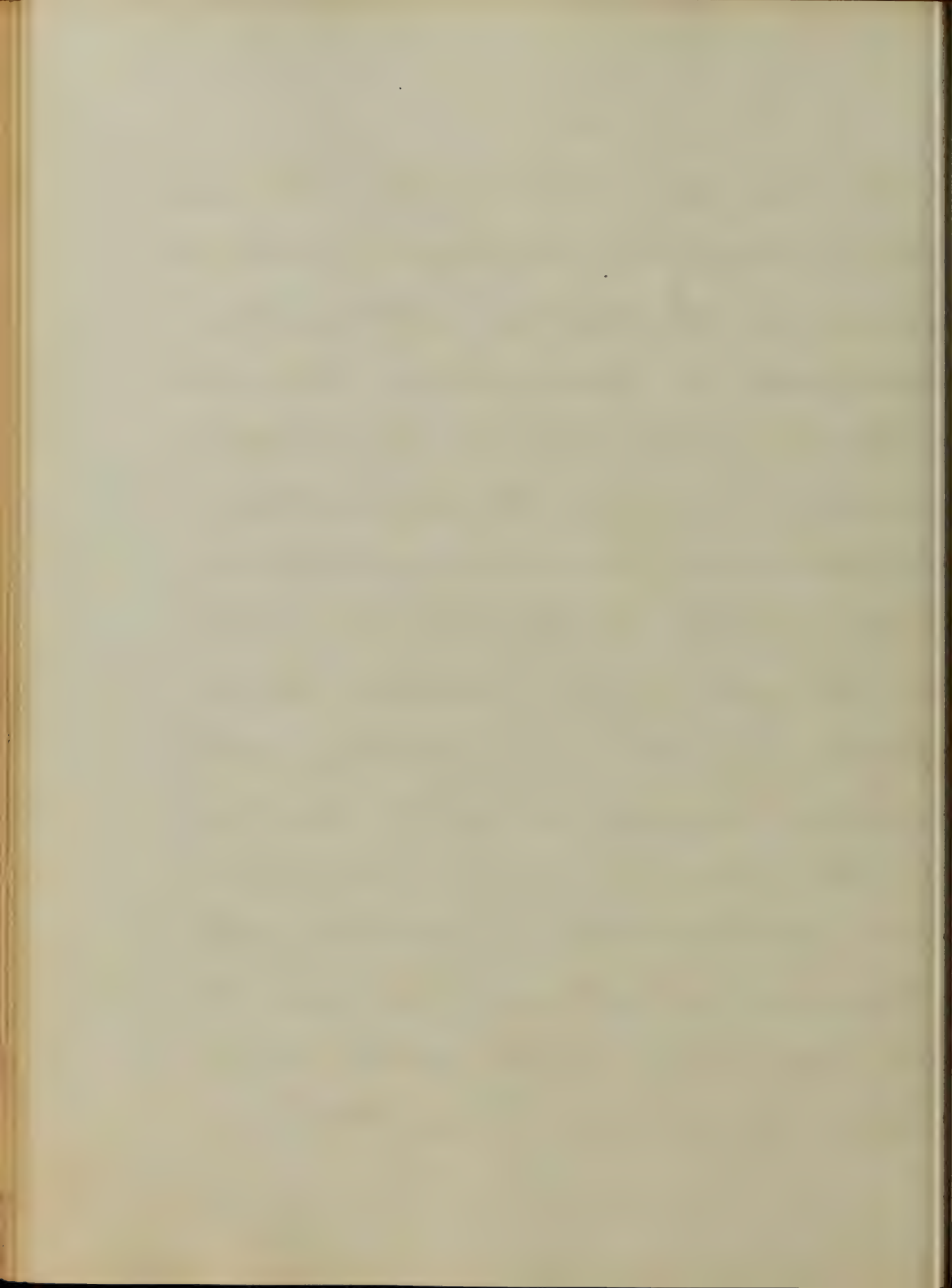


are very important: - The following acts well, and gives marked relief to patient - R Starch water ℥i - ℥r Opium ℥ss
 xx or if there be much ulceration few grs of Benzoate or Corbolic Acid may be added. Know this from experience in regard both to the enema & hot fomentation, and remember well its soothing effects. The Subnit Bismuth in ℥ or ℥i doses. Acetate of lead - Sulph Copper, Gallic acid, and the various vegetable astringents, Kino, Catechu & these are valuable agents in the treatment of dysentery, and are to be relied upon when Opium cannot be borne and in cases that have become chronic

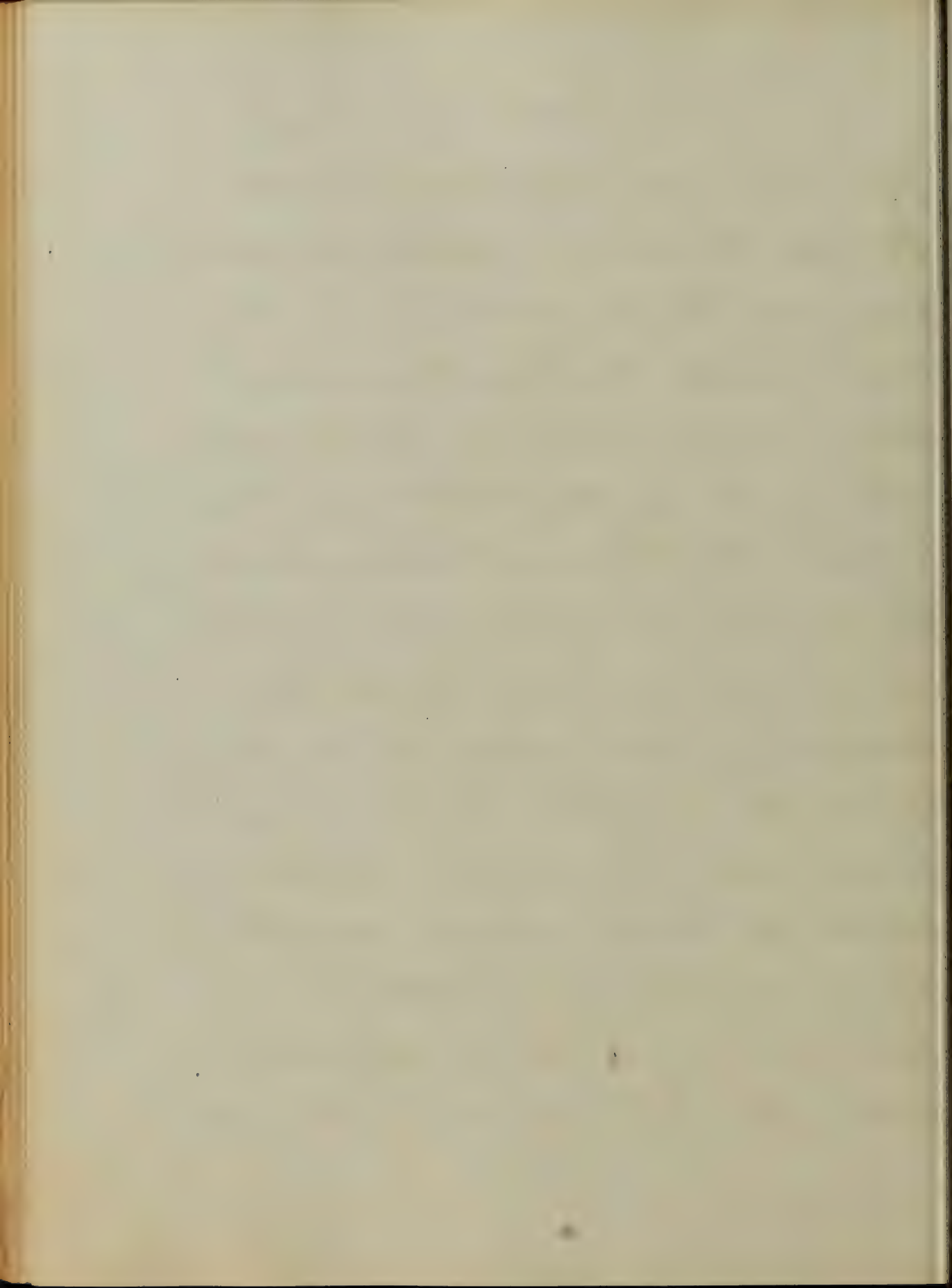


Of late years Ipecac has been largely employed, and recognized as a valuable remedy in the treatment of Dysentery especially in India. Some have attributed to it a special curative influence and have advocated its employment in as large doses as can be borne.

As regards its therapeutical action we are indebted to Dr. McLean for the following. "It is probably (he says) that Ipecac owes much of its usefulness in this disease as an evacuant. It is a blood depurant of an effective kind. It appears to increase the secretion of the whole alimentary canal as well as that of

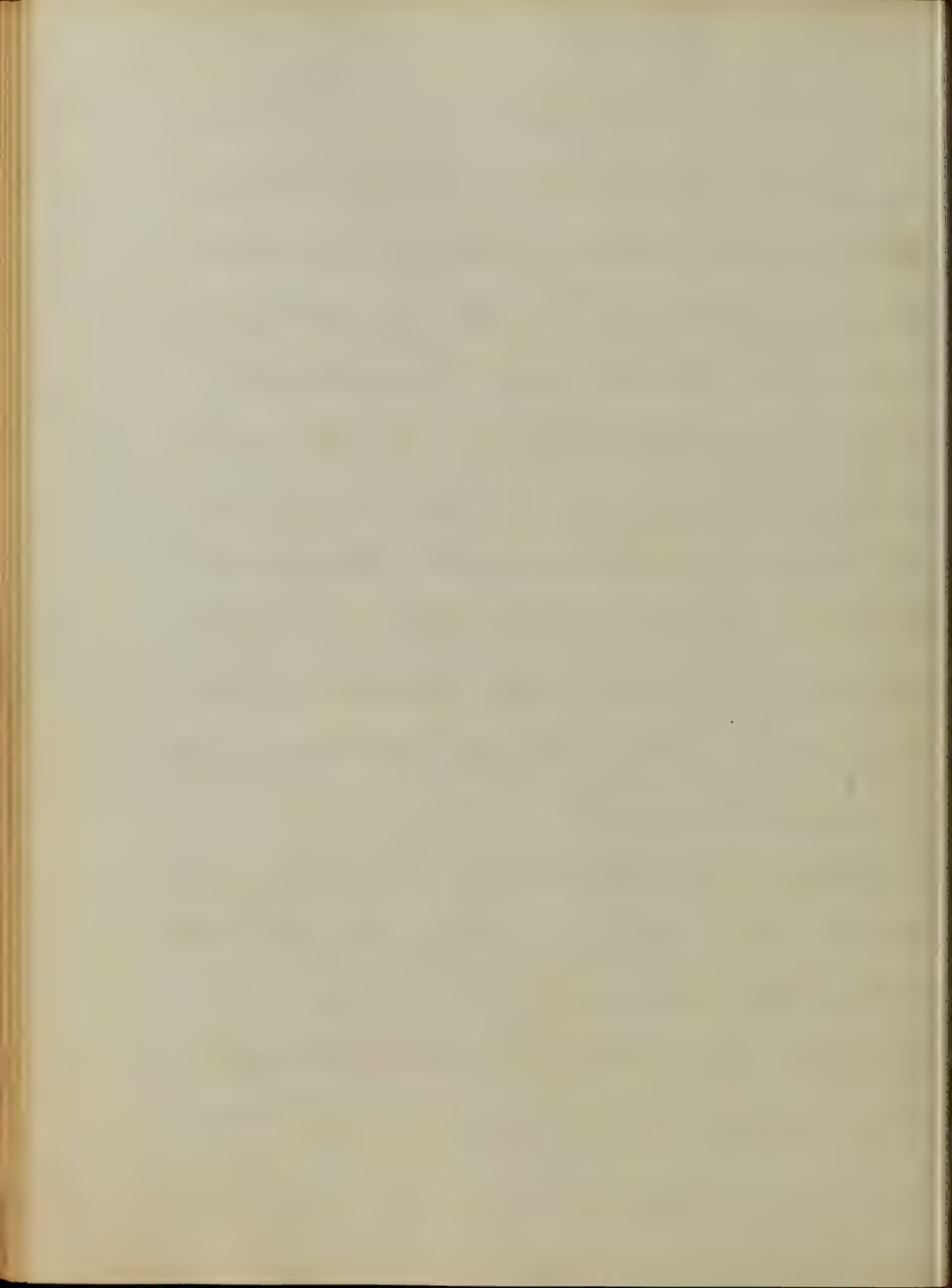


the liver, and pancreas: under its use tormina & trismus disappears, and feculent evacuations are more quickly restored, than by any other known remedy. Before administering it, all pains should be taken to make the stomach, tolerant of the remedy, restraining nausea and vomiting. For this purpose the following plan may be resorted to - 30 grs of Tr Opii should be given and in half hr, followed by from 25-30 grs Opae, given in as little fluid as possible, a little orange peel will cover its unpleasant taste. The patient should be kept



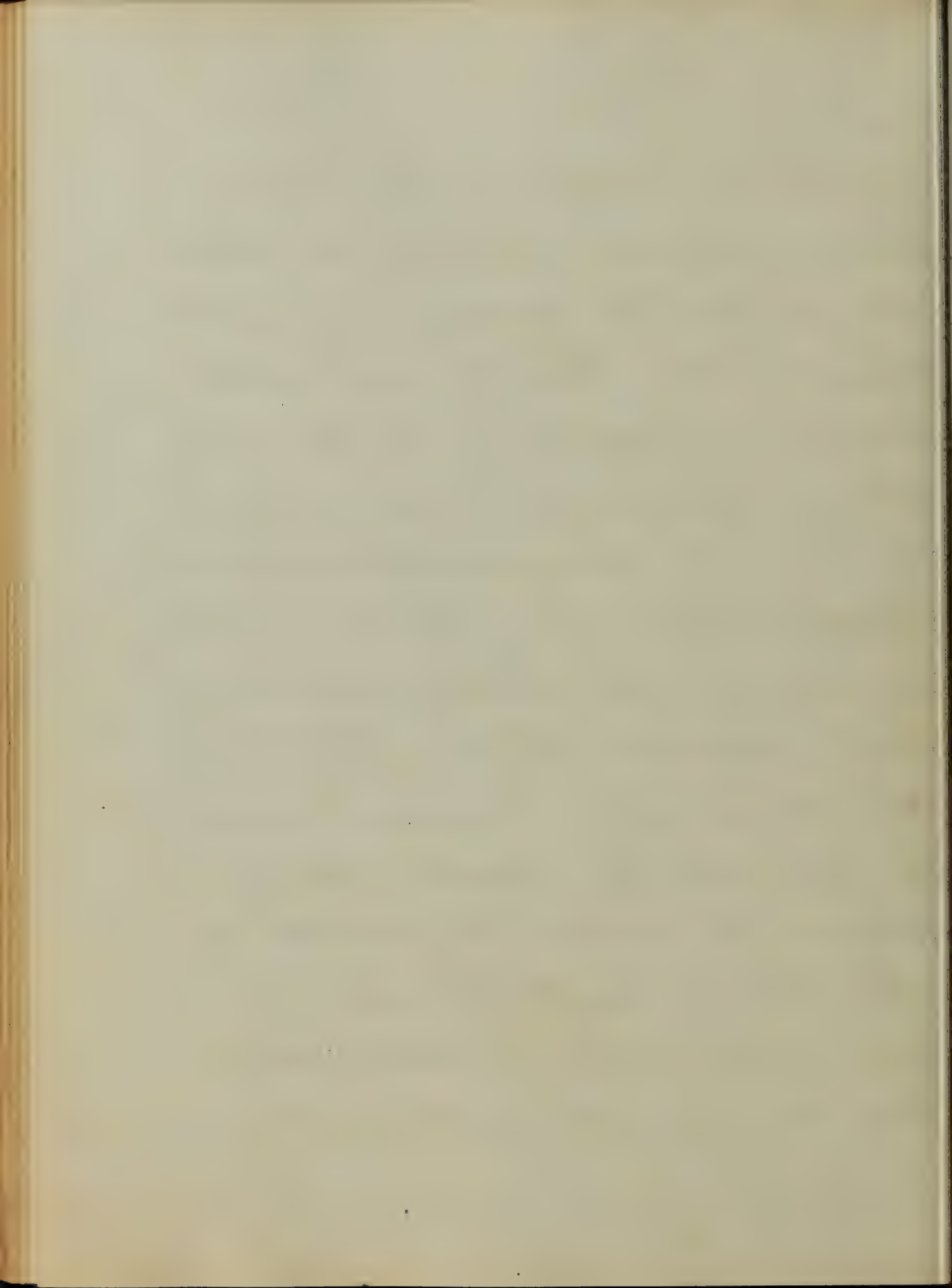
perfectly quiet, and abstain from fluids for at least 3 hrs: a sinapiem may be applied over stomach. After 8 or 10 hrs the disease may be repeated in reduced doses. If required the treatment is to be continued for several days in diminished doses with intervals sufficient to allow nourishment to be taken. This treatment has been tried in this Hospital I believe without much success.

Mercury which has heretofore been much relied upon in dysentery has of late fallen almost into disuse its efficacy being denied: still though it is used by some, in combination



with Opium and Ipecac, with supposed good results; I am inclined to think though that the mercury does little or no good, and that the good effects that are brought about by the combination depends exclusively upon the action of the Opium & Ipecacuanha.

Diet During the early part of the disease the diet should be restricted to the blandest articles of food; but throughout whole course of disease the food should be sufficiently nutritious to sustain the patient's strength. Milk is excellent. Sometimes with lime water or beat up with eggs, and good sherry wine. Rice

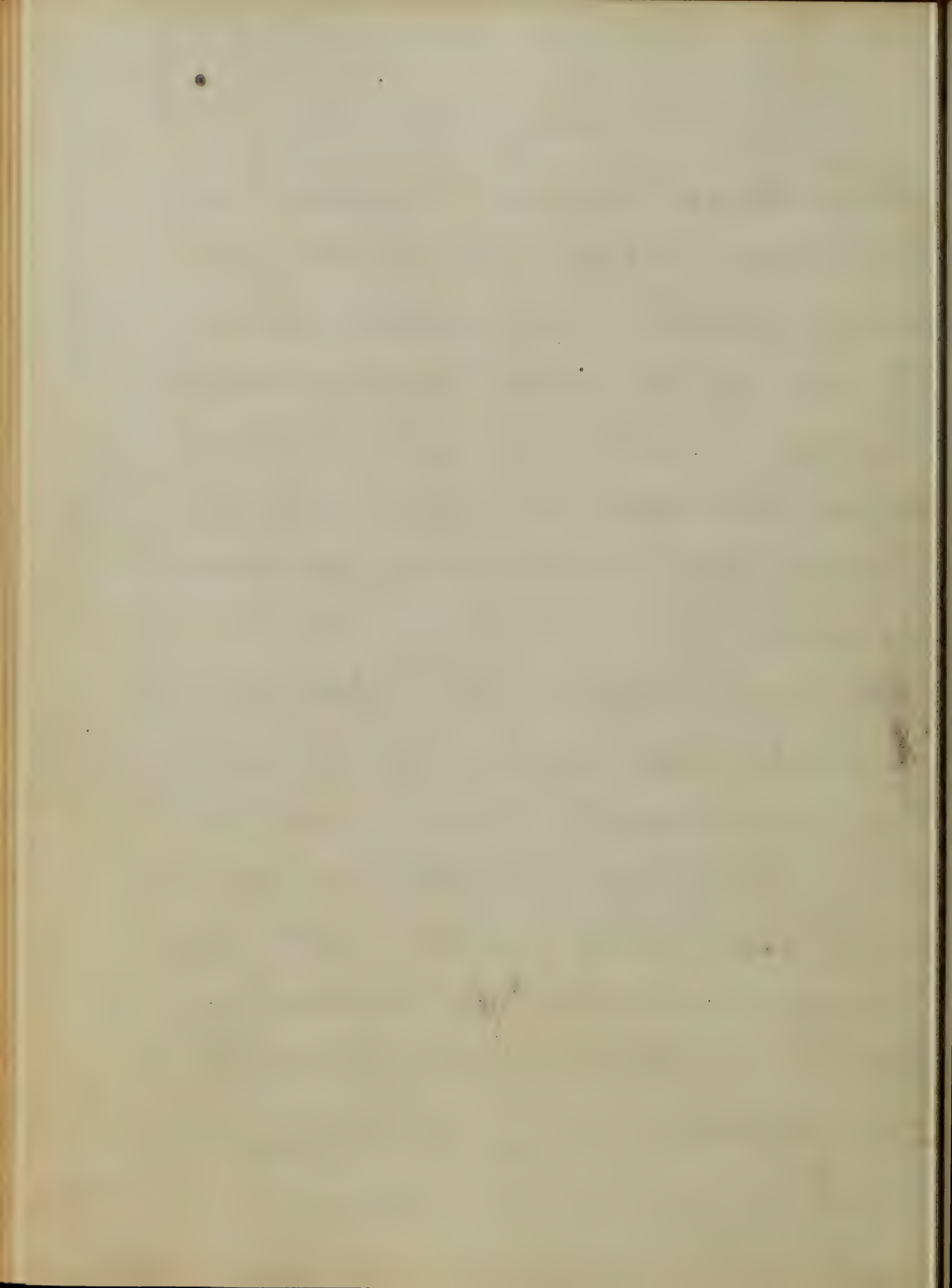


flour. Sago, Arrowroot &c may be allowed, as a change to suit the capricious appetite. If symptomatic death failure of the vital powers, concentrated nourishment, and alcoholic stimulants are to be given freely. Tonics are useful during convalescence.

Finally enjoin upon patient that absolute rest in bed is absolutely necessary for a cure; and to refrain from going to stool whenever so inclined, that the desire to do so is dependent upon the inflammatory condition of intestine alone.

Feb 14th 1875

Samuel C. Ripker



A

Thesis

on

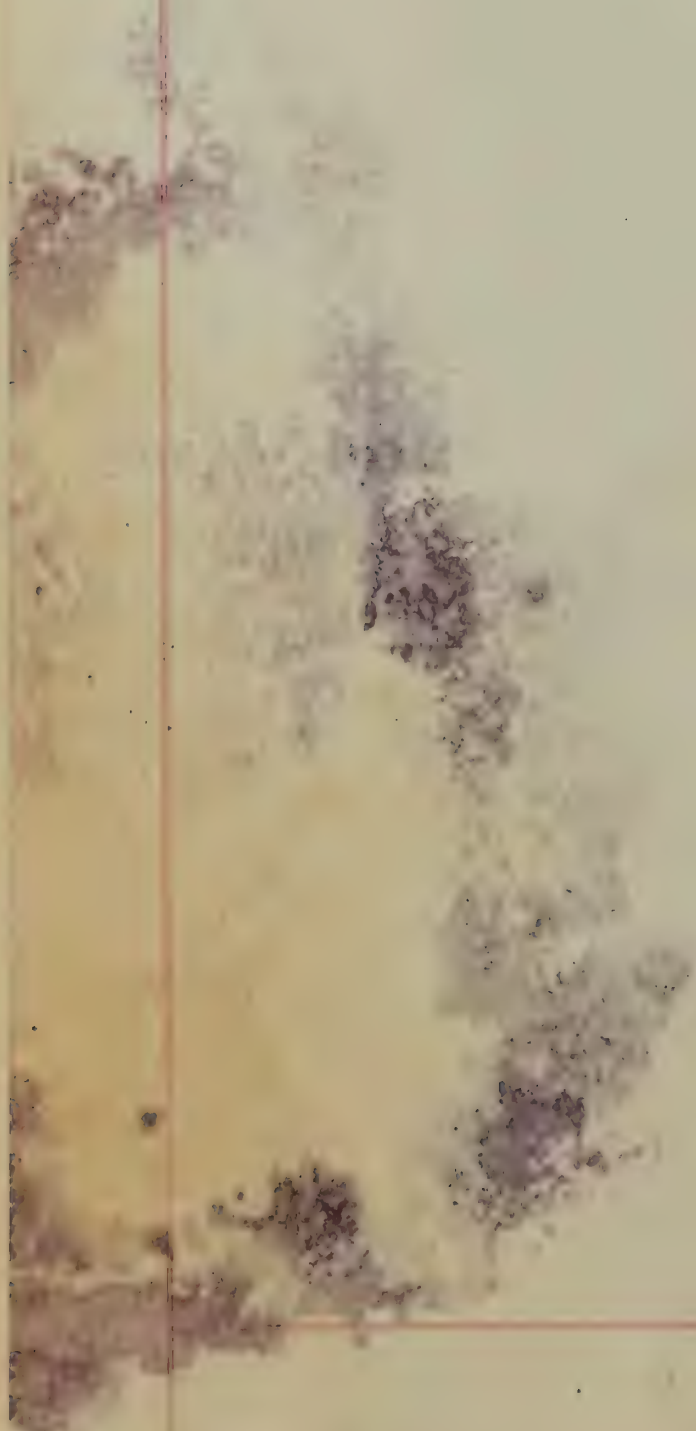
"Digestion"

by

H. P. Claude

Class '75

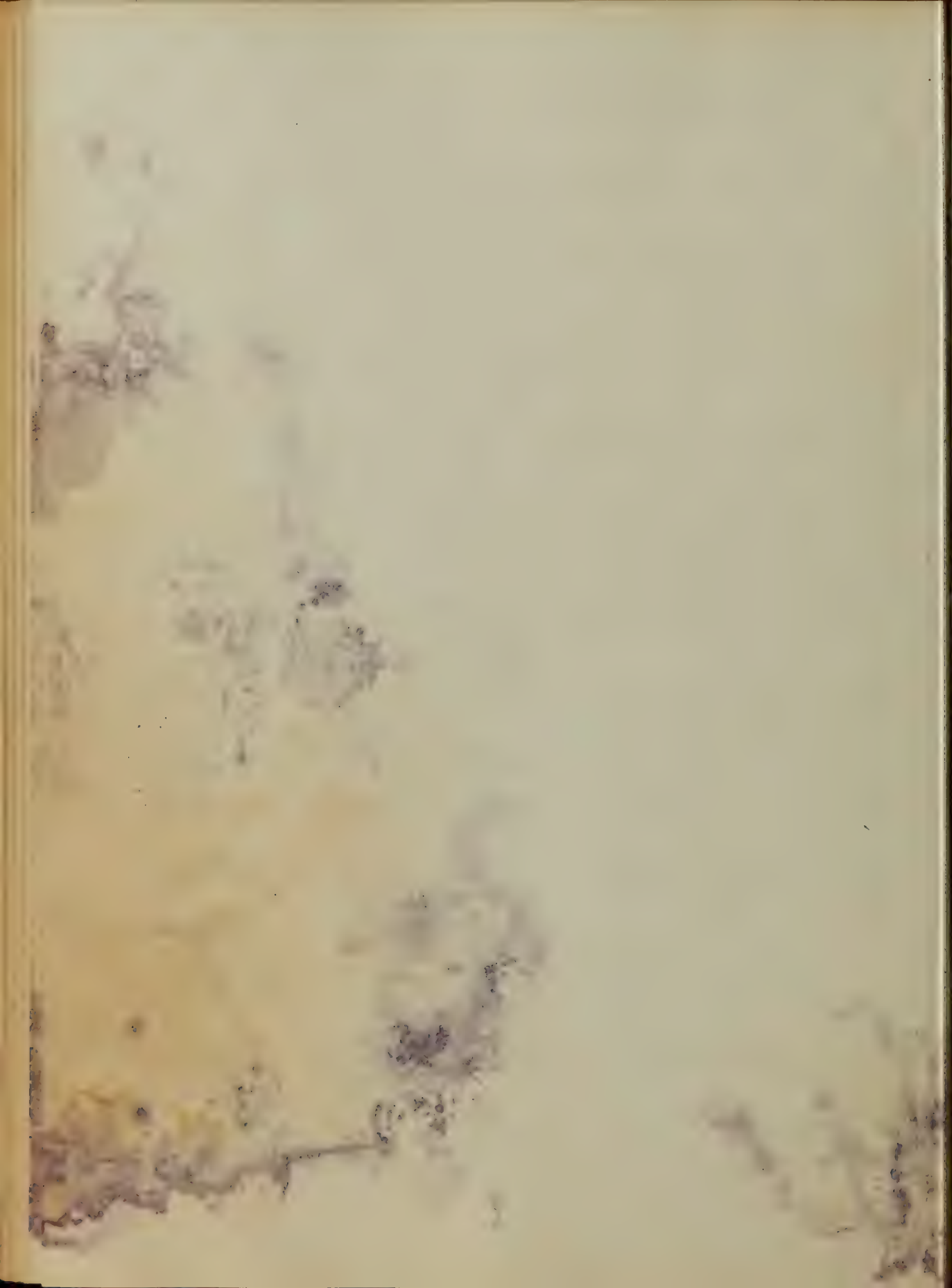
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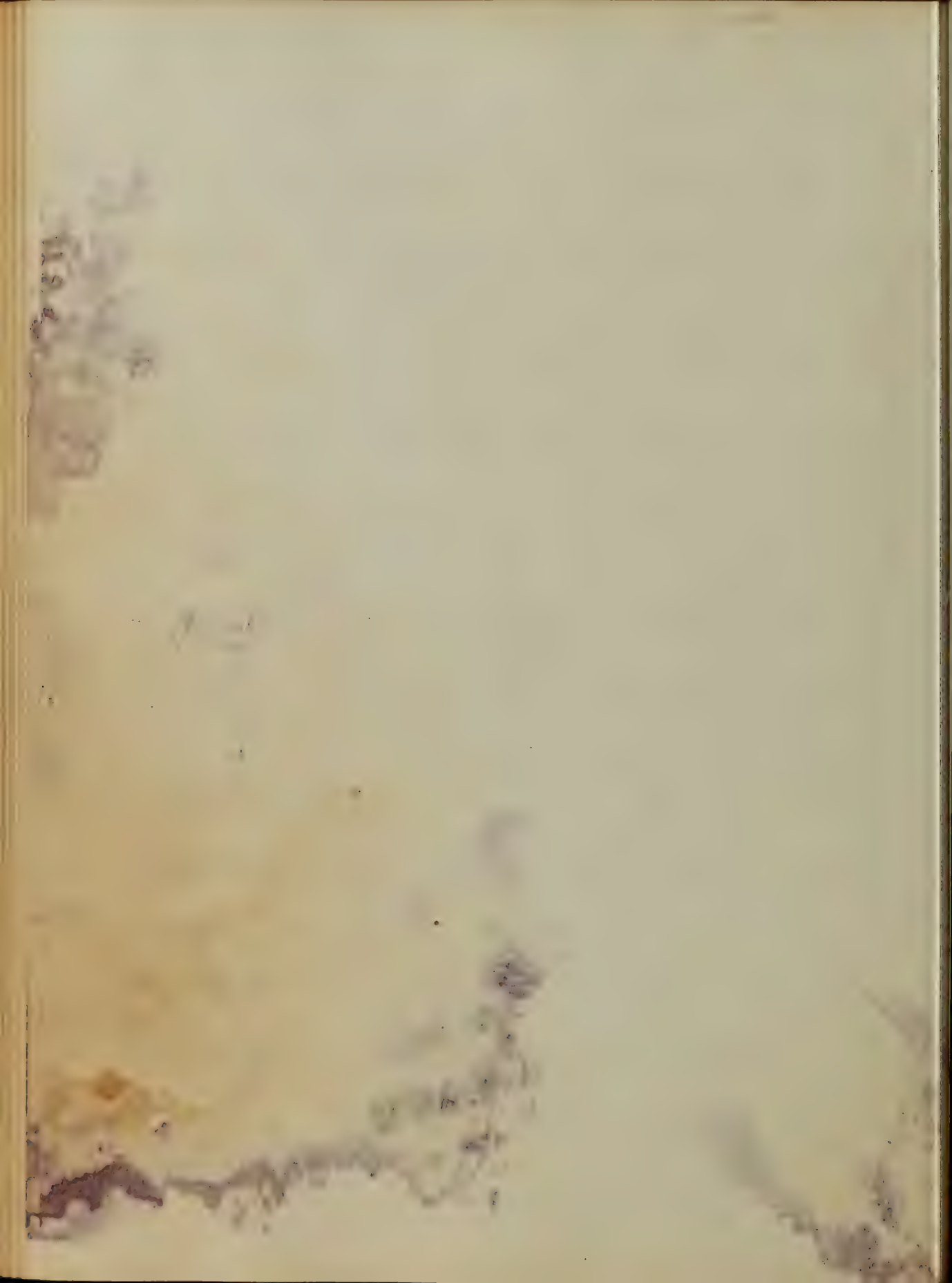
"Digestion"

Digestion is that process by which the food is reduced to a form proper for its absorption into the blood by which it is conveyed to all the tissues of the body for their nutrition. This process in man is very complicated owing to the great variety of substances used by him as food and is accomplished in the alimentary tract beginning at the mouth and terminating at the anus. In this tract the food comes into contact with the various digestive fluids which are secreted by the various glands and certain specialized organs whose ducts open into it. These fluids differ much both in composition



and physically and are required to eat
only on certain articles of diet. As the
food on its passage along the alimentary
canal meets successively with thousands
of liquid those portions upon which it
has the greatest power and the portion
thus liquefied is absorbed.

The food is first taken into the mouth
where it, if necessary, undergoes mastication.
This is performed by the teeth
assisted by the tongue and cheeks and
is very important in the digestive process
to break up compact substances so
that they can be swallowed and will offer
a larger surface for the digestive
fluids to act upon. Some of the most



the first of the digestive fluids viz
the saliva which is a colorless, viscid,
saline fluid, of complex composition,
formed of no less than four distinct
secretions which are all discharged
and mix in the buccal cavity. These
four secretions are those of the parotid,
submandibular and sublingual glands,
and of the mucous follicles of the mouth,
and their principal difference is in their
organic matter, that of the first being
fluid, of the second mucous etc, viscid etc
that of the others is excessively viscid.
The saliva though only secreted when
the mouth is empty and at rest in very
frequent amount is by the parotid

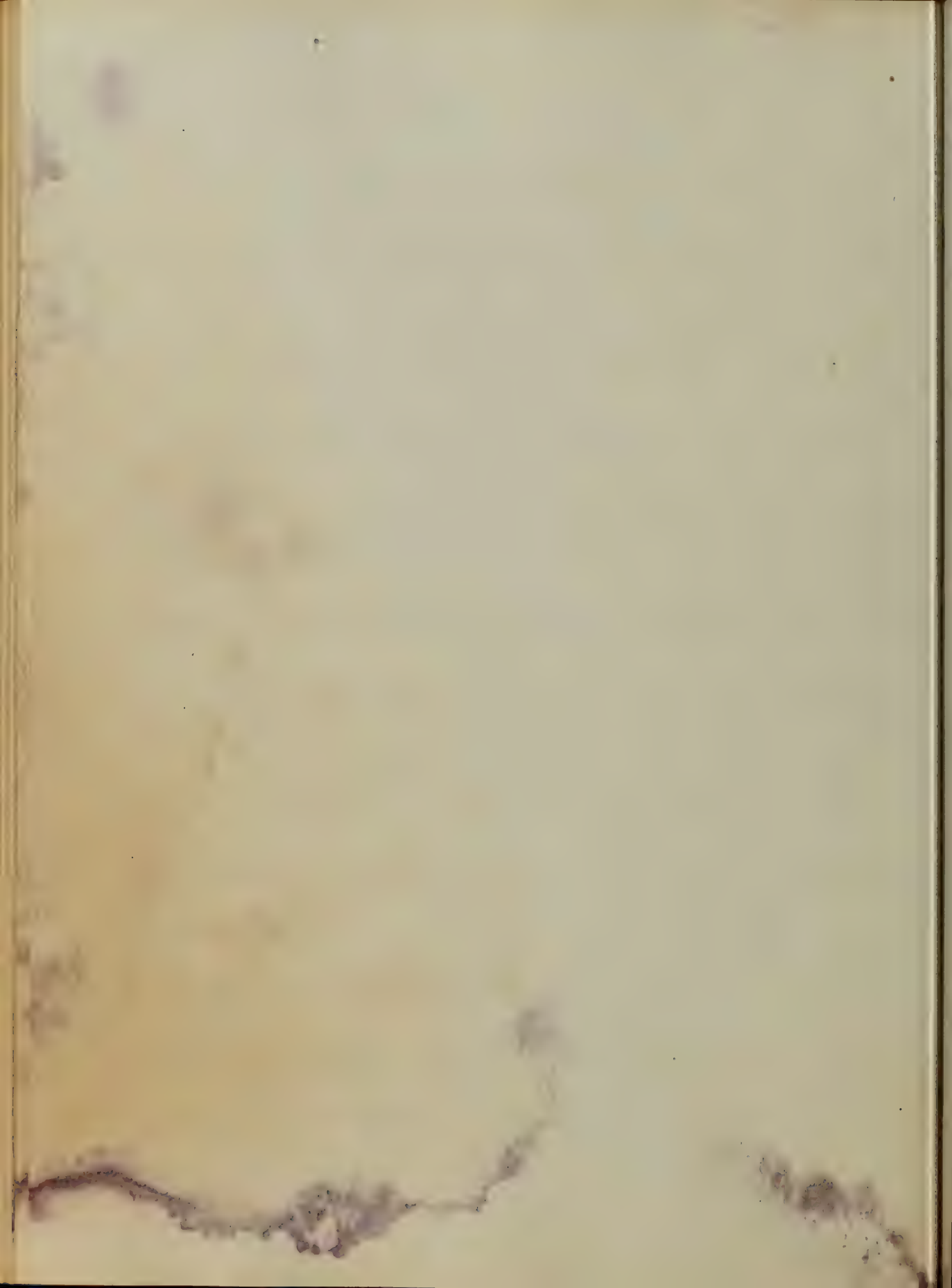


is poured out in greater or less quantity when food is taken according to the degree of excitement or activity of it. When it was first discovered that the saliva would convert starch into sugar this was supposed to be its function in digestion but subsequent experiments have proved the fallacy of this view and its action is now considered to be only a physical one which is to moisten and lubricate the food thus facilitating its passage through the oesophagus. After the food has become thoroughly masticated and insalivated it is carried backward into the fauces by the tongue, thence passes through the pharynx

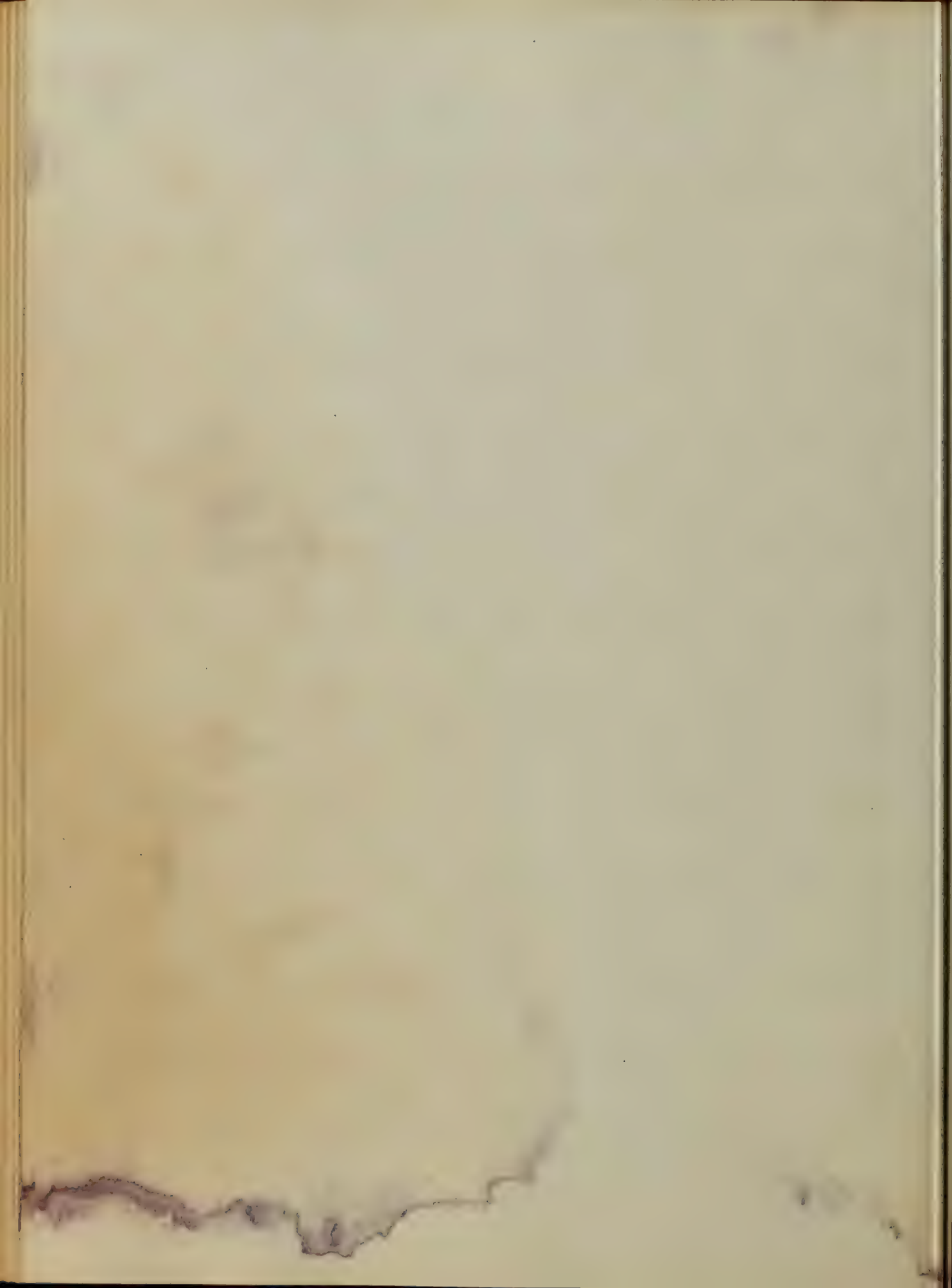


oesophagus into the stomach.

The stomach is a hollow, muscular organ lined with a mucous membrane of great vascularity and thickly set with small glandular bodies, the gastric tubules, between which ramify capillary vessels. The gastric mucous membrane is thrown into longitudinal folds, called rugae, when the organ is empty or contracted but becomes smooth when it is distended, and is lined by columnar epithelium. In this cavity the food mixed with the gastric juice and the rest of digestion that takes place here is regarded as the most important of all. Our knowledge of the gastric juice

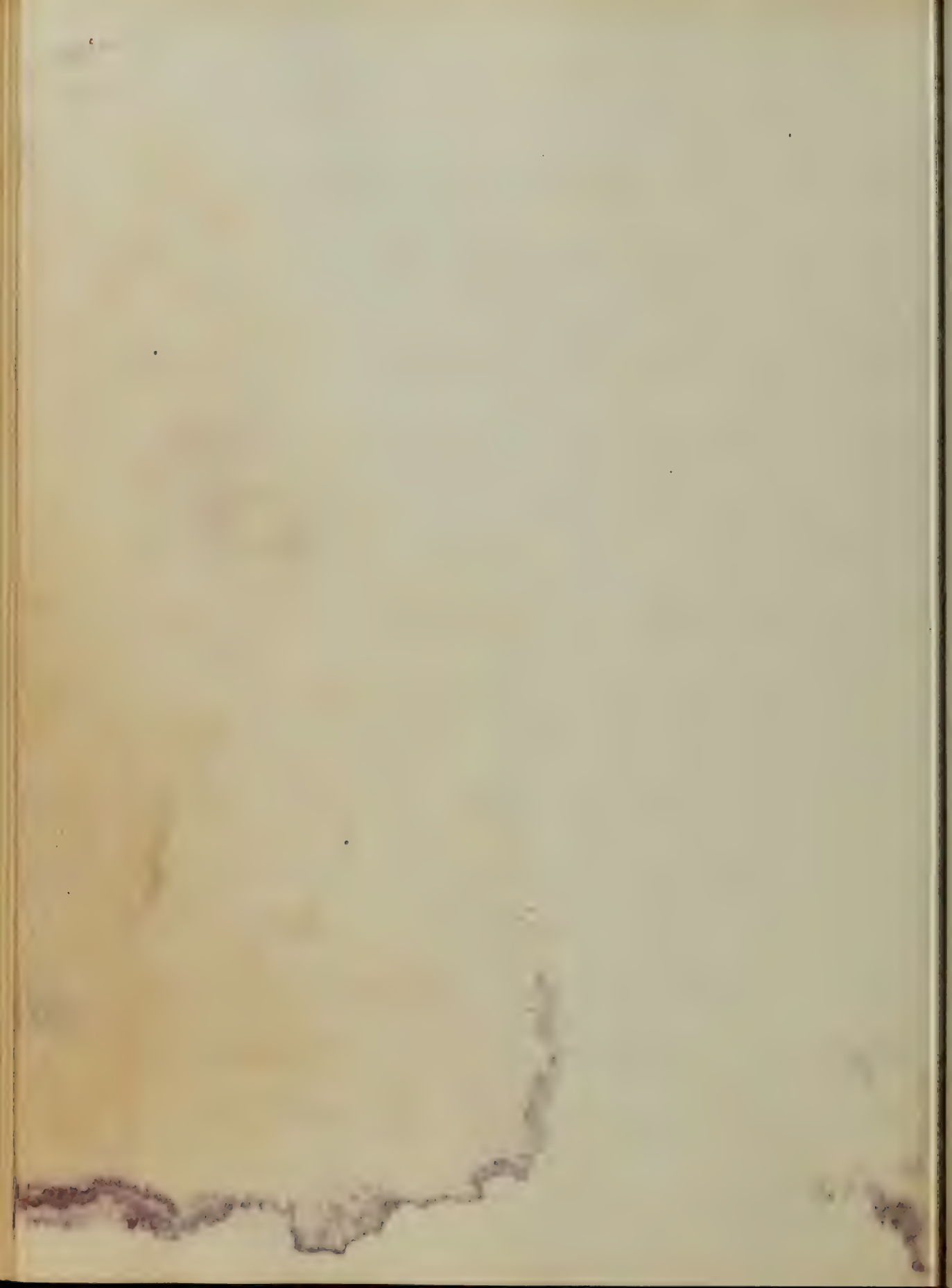


and stomach digestion was long un-
solved until the celebrated experiments
of Beaumont on St. Martin in 1785.
These experiments were made at vari-
ous intervals for several years and
from them he deduced that the ac-
tive agent in digestion was an acid
fluid secreted by the stomach; that
this was poured out under the stoma-
chus of the food by the glandular
walls of the organ; and that it would
exercise this solvent action outside
the body at the same temperature.
He also made various other very in-
teresting and important experiments
regarding the digestibility of various



ent articles of food, as to the velocity with which the process takes place &c. Since these memorable experiments similar ones have been made upon the lower animals by producing artificial fistulae which have been even more satisfactory because they are more under the control of the operator.

The stomach when empty contains nothing but a little mucus but when food is taken the mucous membrane becomes red, turgid and swollen and a clear, acid, watery fluid collects everywhere upon its inner surface & flows abundantly into



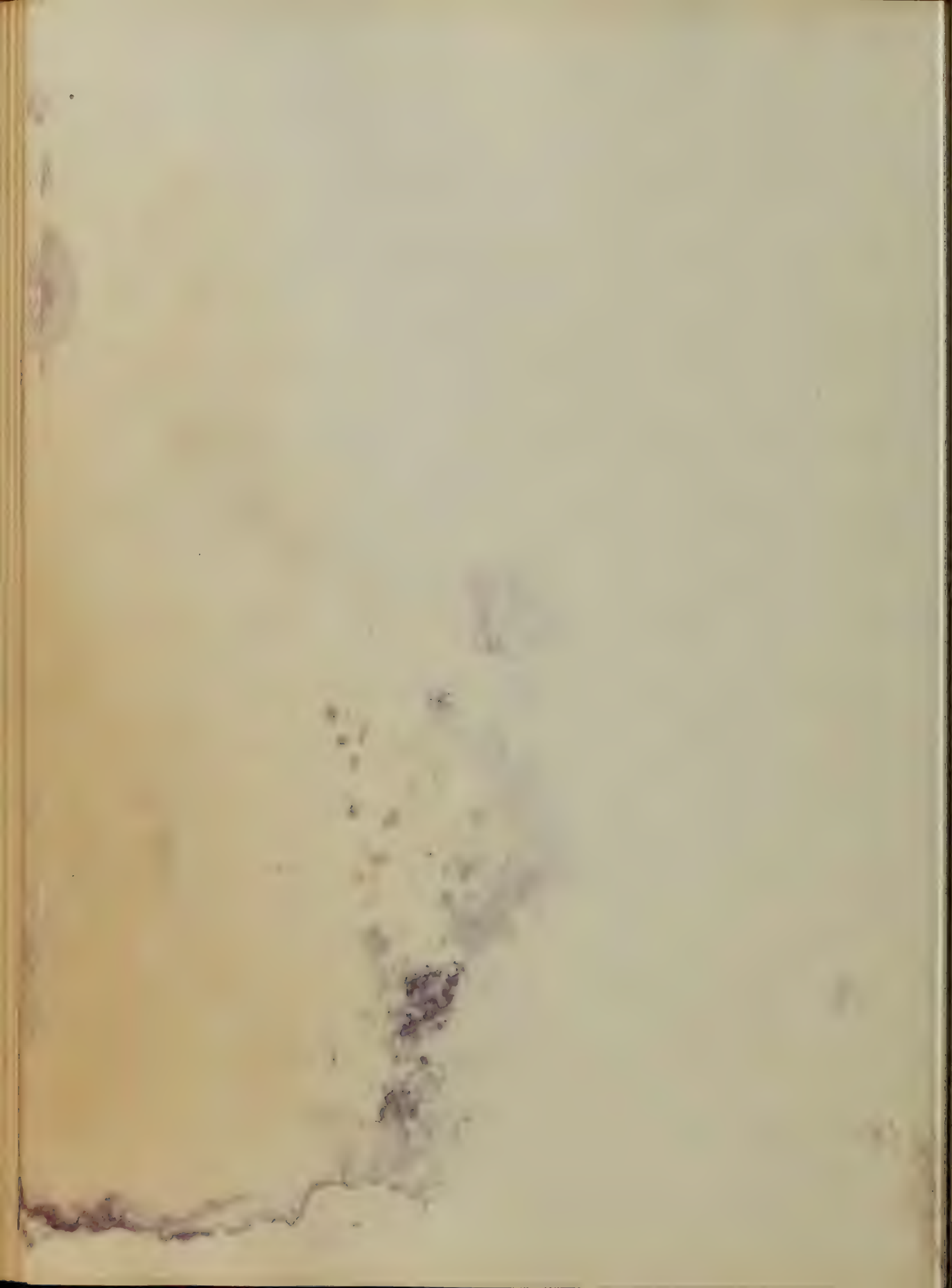
chiefly, this is the gastric juice. Its most important constituents are, the free acid (lactic) which is absolutely essential to the solvent action of the fluid as shown by its loss of this power when it is neutralized and the pepsine or organic matter which is in solution and is also necessary to the proper performance of the function of the gastric juice. If gastric juice be boiled the pepsine will be coagulated and precipitated and the fluid will be found to have lost its solvent power, and the same thing will occur if bile be added to the gastric juice.



entirely lose its digestive property.
Another peculiar property is that it
may be kept for a very long time
without putrefying or losing its
digestive properties. It was univer-
sally believed prior to Keenan's
experiments, and even he himself
believed, that the gastric juice was
a solvent of all alimentary substances
but we now know that such is not
the case and that it acts only upon
a certain class of proteid prin-
ciples viz., the albuminoid or organ-
ic. It has no effect whatever upon
starch or oils, and any albuminoid
substance is at once coagulated.

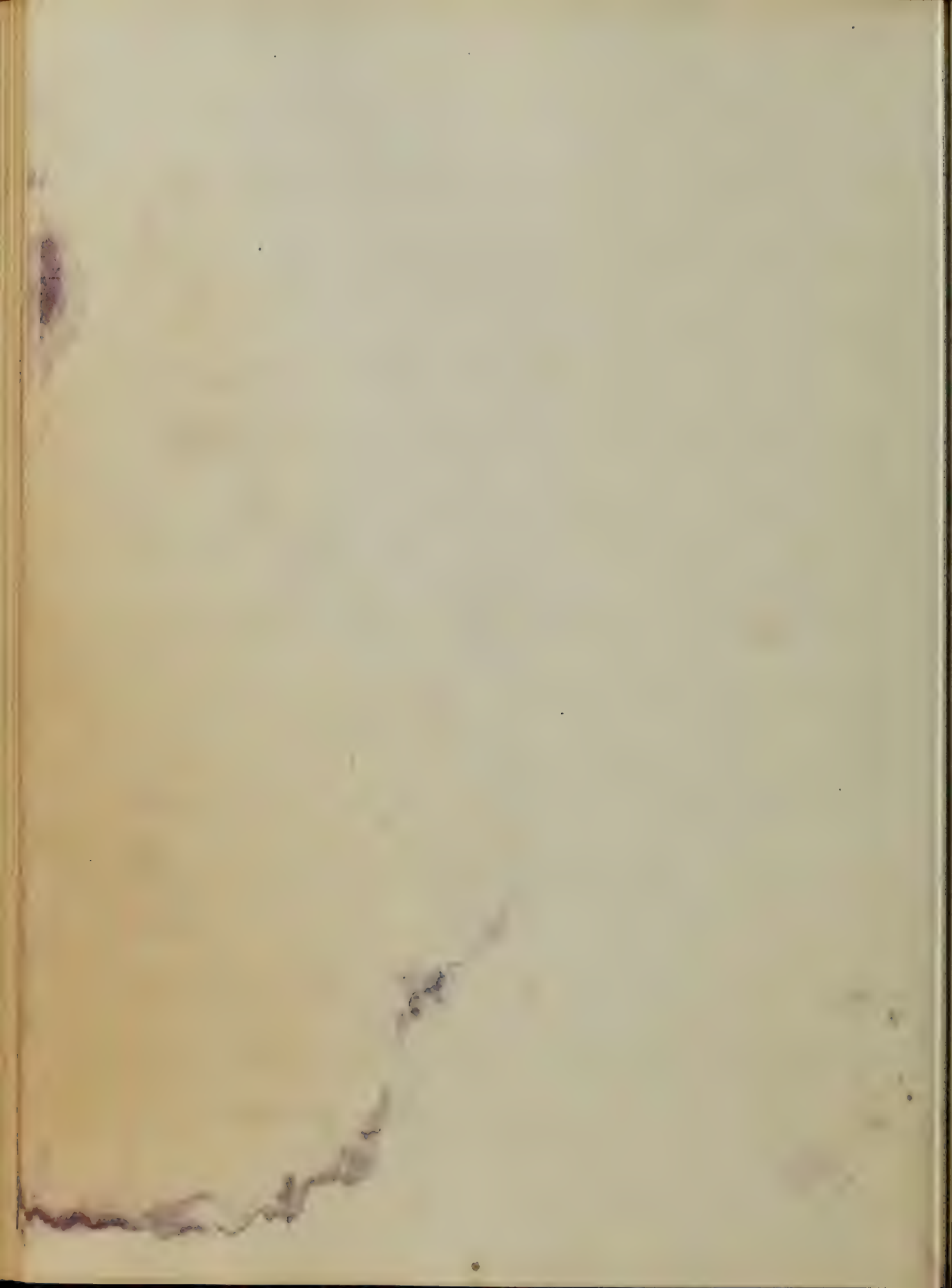


liquefied by it. The change which
the food undergoes in the gastric
juice is a true catarrhis. By the
action of this fluid all albuminous
substances no matter what was their
original character are converted in-
to albumose. This partakes of the
general character of albumen but
unlike it remains fluid under all
circumstances. The fluid when thus
liquefied is ready for absorption. Al-
bumose in combination with gas-
tric juice has the remarkable pro-
perty of interfering with Trauer's
test for grape sugar. This combina-
tion also prevents the reaction of

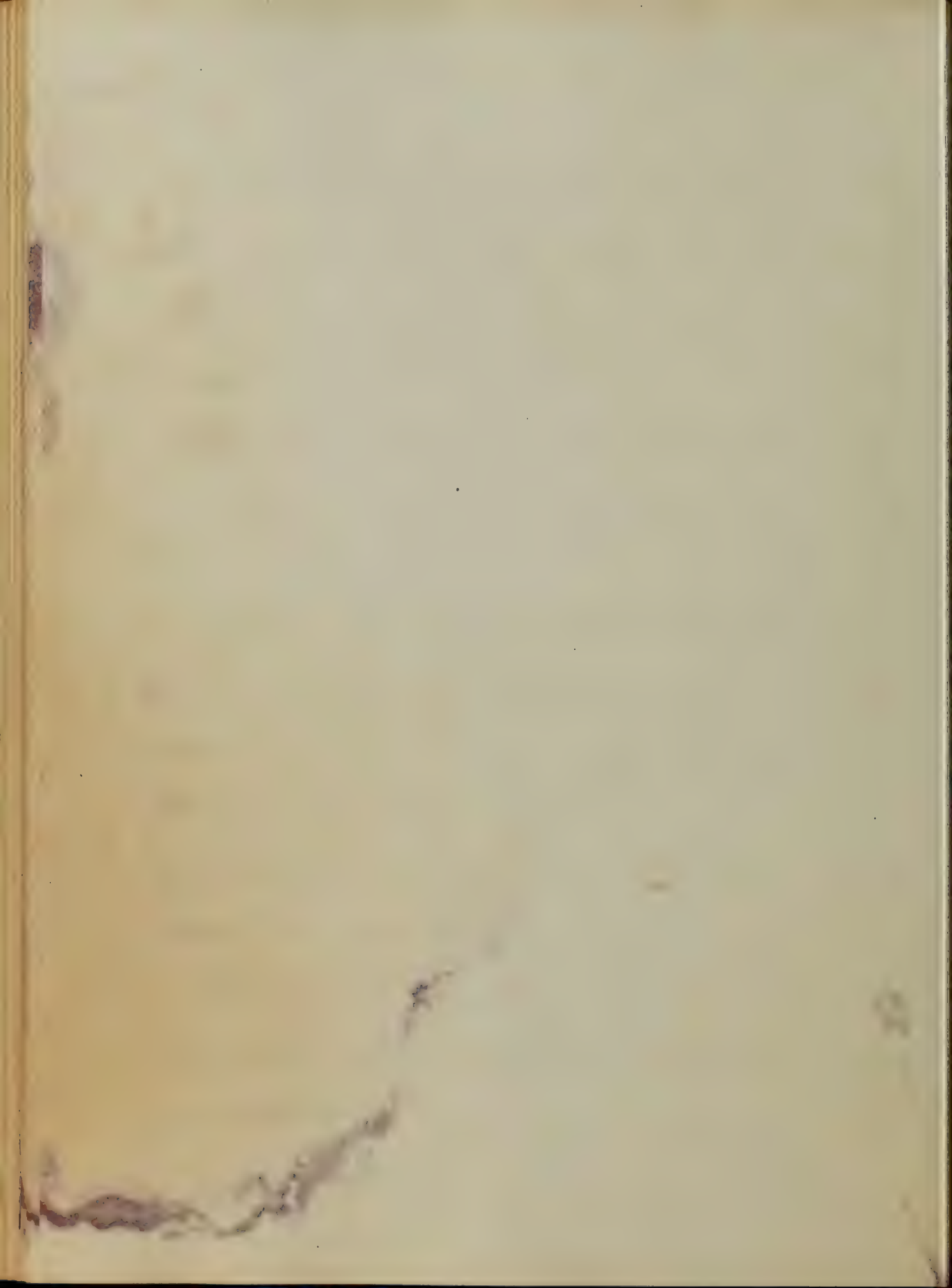


taken iodine and starch while the gastric juice alone does not interfere with either of these tests.

The action of the gastric juice is resisted by the muscular action of the stomach by which the contents of the organ are thoroughly triturated thus bringing the digestive fluid into more intimate contact with them. The amount of gastric juice secreted daily in man has been estimated to be about fourteen pounds. This statement would be almost incredible did we not know that as soon as the juice that is poured out has dissolved its quota of its mucous

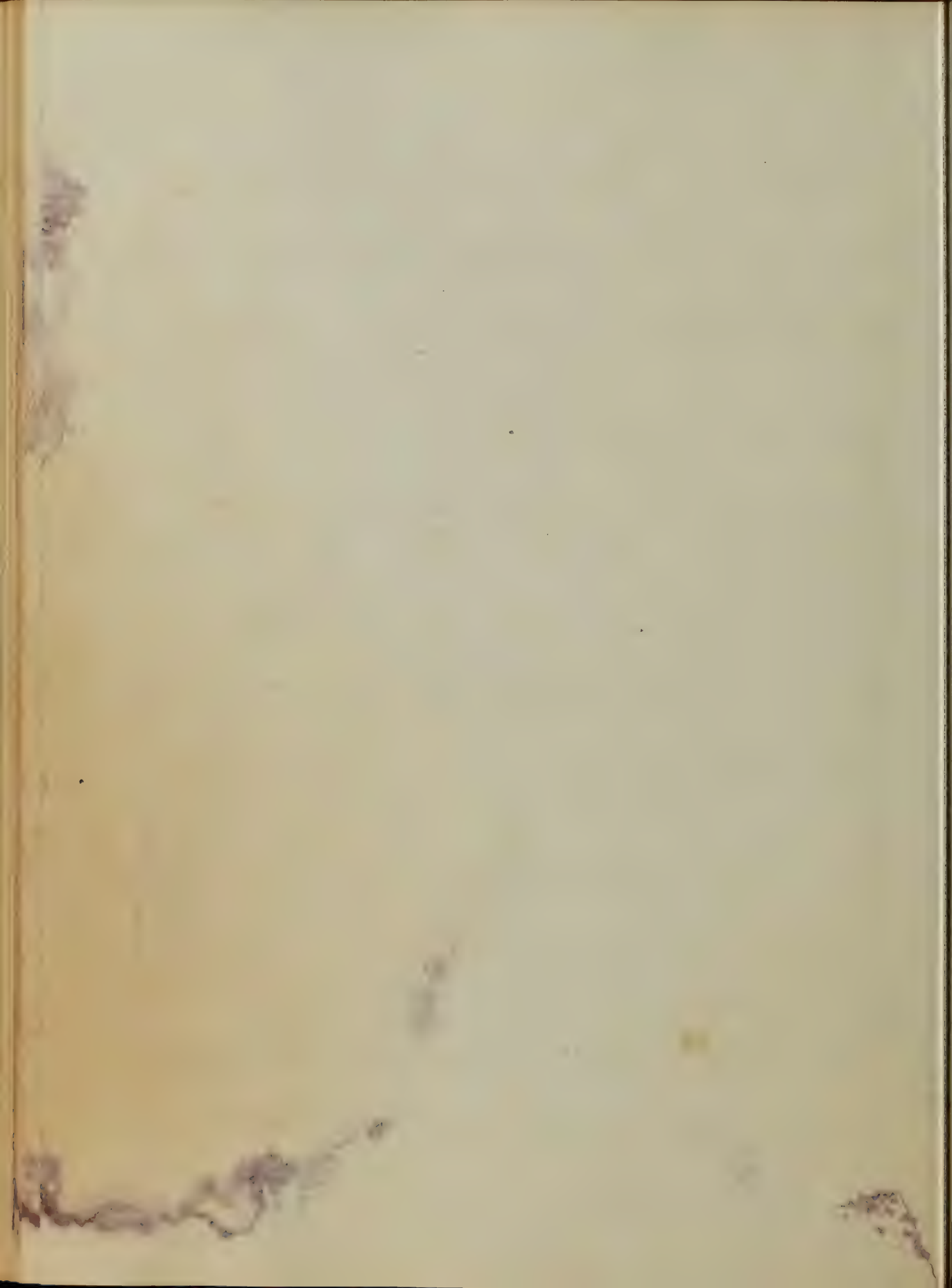


ly reabsorbed and reenter the circulation and thus the fluid that the blood is constantly losing is being just as constantly replaced by absorption. Thus it will be seen that the gastric juice never accumulates in the stomach but is gradually absorbed again together with the portions of food which it has dissolved; in short, during digestion there is a constant circulation of the digestive fluids from the blood into the alimentary canal and back again into the blood. As soon as death occurs the gastric juice in the stomach begins to act upon the walls of that organ and upon the

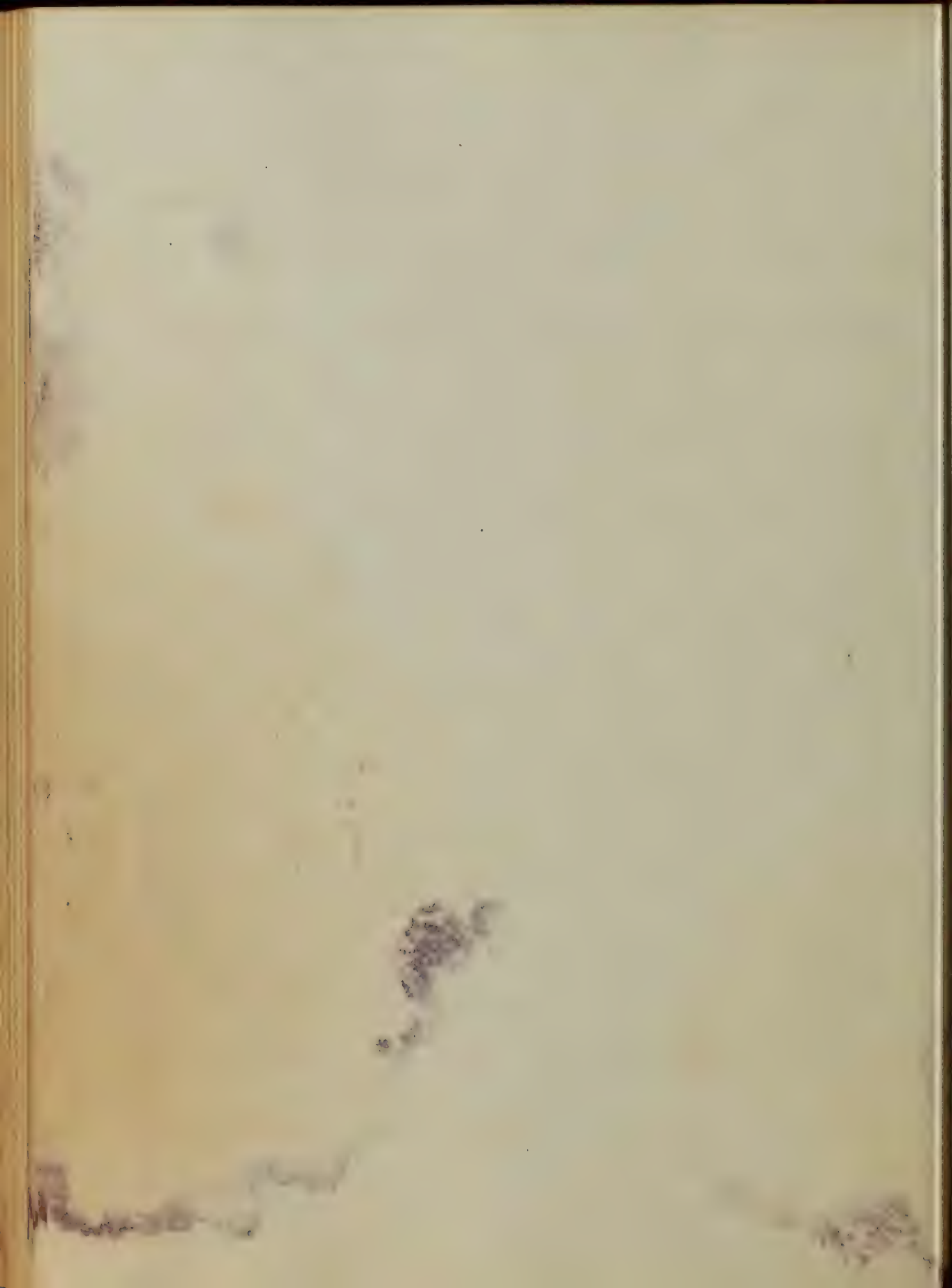


liquefies it, this is prevented during life by other catalytic changes which exclude those of digestion and putrefaction which can so readily take place after death.

When all those portions of the food upon which the secretion of the stomach have any effect have been dissolved viz., the albumenoid, the rest, the starch and fats pass through the pylorus into the small intestine, there they meet with the intestinal fluids which rapidly convert the starch into sugar. These intestinal juices consist of three separate secretions viz., the bile which may be seen



as it has no digestive action on starch;
the pancreatic juice does convert starch
into sugar but it is not known whether
it is always present in the duode-
num; and the mucous membrane which
is the secretion of two sets of glands se-
creted in the mucous membrane (14), the
glands of Brunner and the glands
of Pancreas the first of these are by
far the most numerous and are
found throughout the small intes-
tine; they are nearly straight lines
lined with intestinal epithelium the
glands of Brunner are confined to
the upper part of the duodenum and
are collections of compound glands



with an excretory duct in the cen-
tre lined with epithelium. The so-
called juice the product of the
gland has not been thoroughly ex-
amined on account of the difficul-
ties in obtaining it but it is said
to resemble very much the secre-
tion of the lacrimal mucous follicles
and rapidly changes starch into sa-
gar, and thus appears to be the func-
tion in the digestive process.

There now only remains the fat
to be digested and these being un-
affected by the gastric juice are
consequently unchanged in the sto-
mach except that they are incorpo-



by the solution of the vesicles and
mucos. But soon after they enter
the intestine the oily portion is converted
into a white, opaque emulsion,
called chyle, which is gradually
absorbed. This change into chyle
does not take place until the fats
have passed the pancreatic orifice
from which it might be infer-
red that the pancreatic was the
digestive fluid for fats, and this
has been proved beyond doubt by
experiments upon the lower ani-
mals. The amount of this secre-
tion as compared with that of the
gastric juice is very scanty.



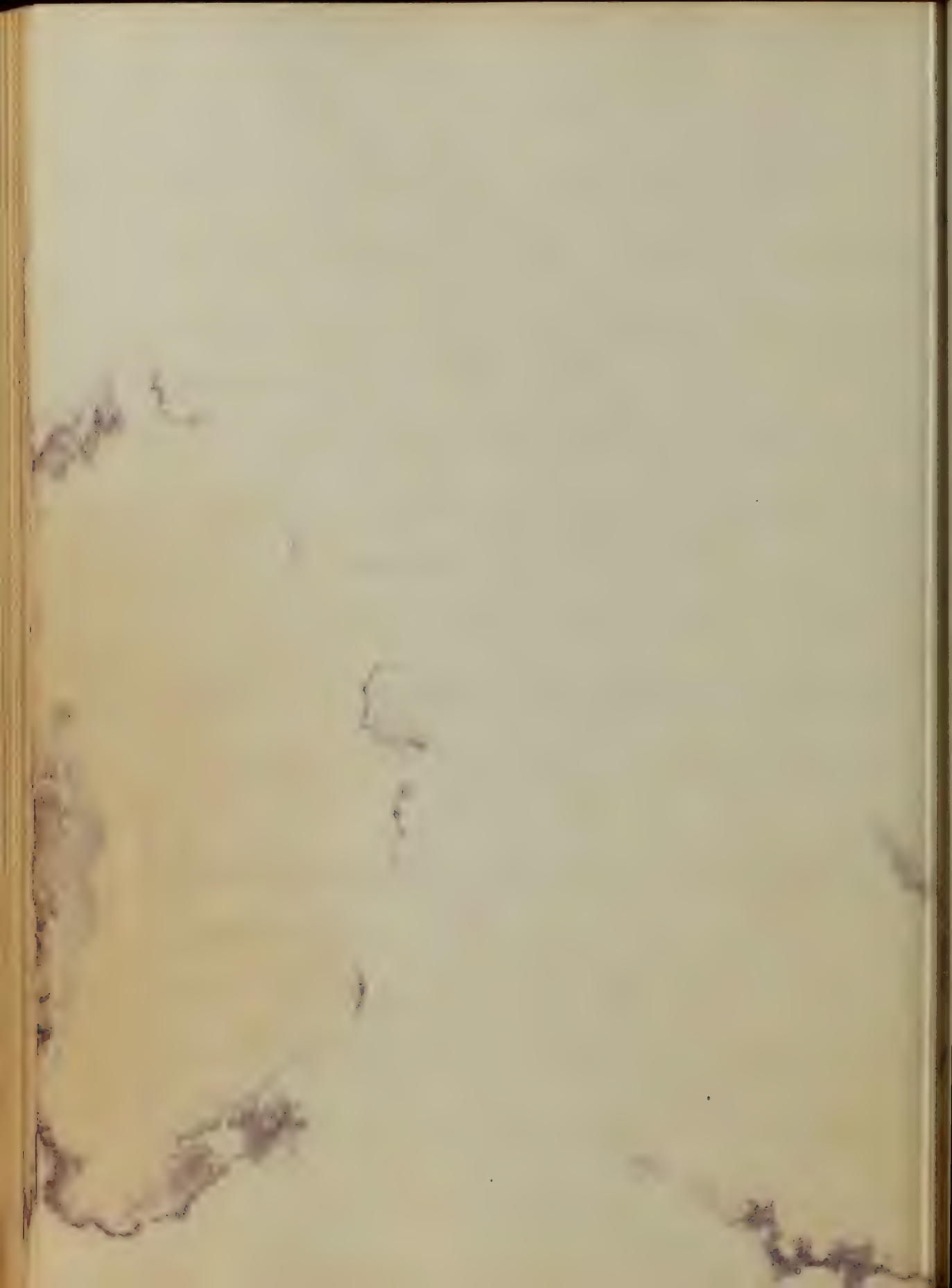
about $1\frac{4}{5}$ lbs. in twenty four hours.
When pure it is a colorless, viscous,
alkaline fluid, its most important
ingredient being the pancreatine
which exists in greater proportion
than the organic matter in any
other of the digestive fluids. The
oil is not, ^{simply} changed by the pancre-
atic fluid but simply emulsified
and this takes place instant-
ly and permanently. In this state
the fat is in a condition to be
absorbed and hence it may be
said to be digested.

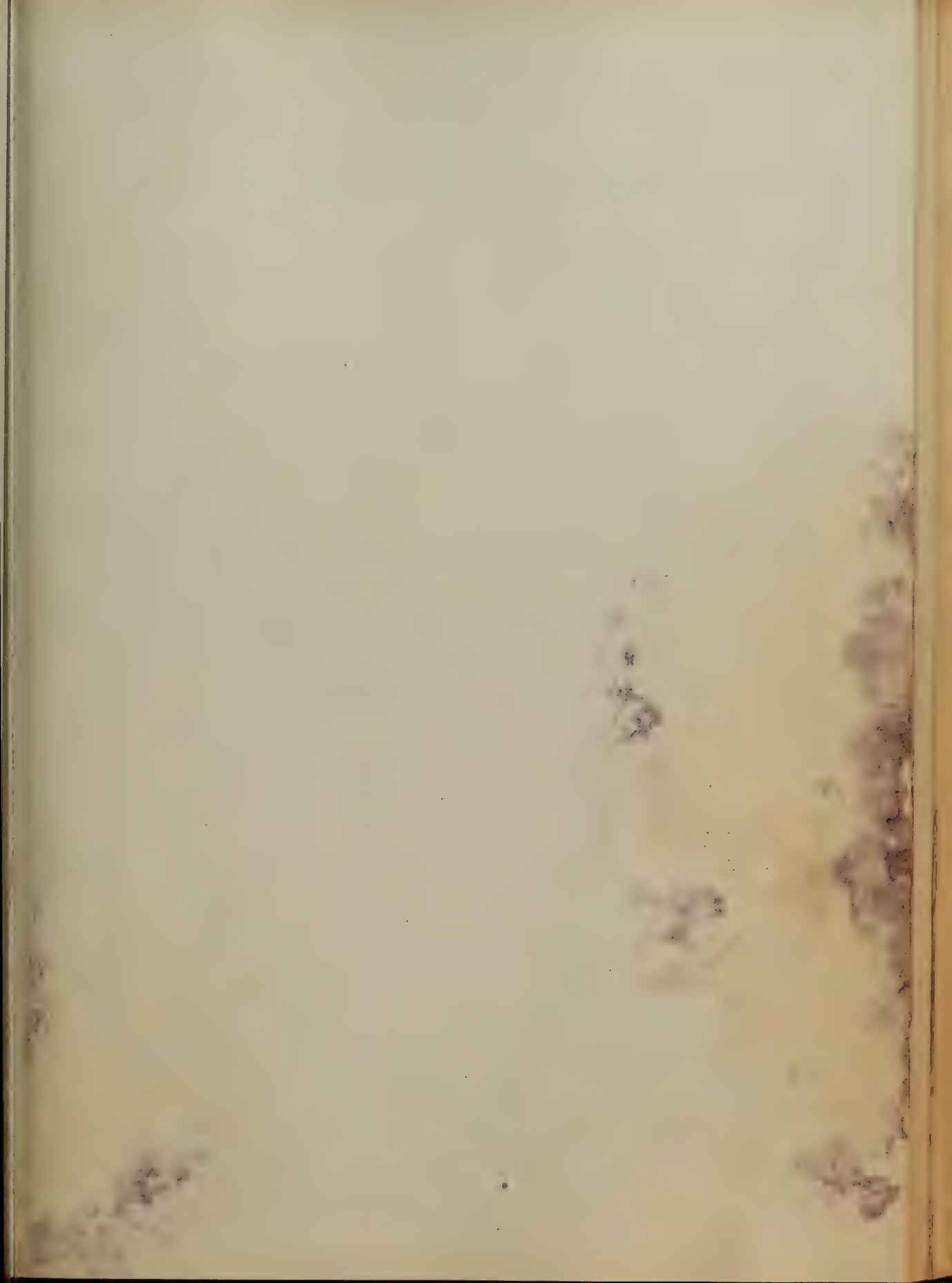
From this very imperfect descrip-
tion it will be seen that



processes of digestion are very complicated and that they commence in different parts of the alimentary canal, but while they commence in different places they all go on simultaneously in the small intestine, the gastric juice continuing to act upon the albumenoid matters, the intestinal juice upon the starch and the pancreas upon the fats.

By the time the contents of the intestine reach the ileo-caecal valve all those portions of the food which were digested have been absorbed and what remains







consists of either undigested or un-
digested substances which pass on
to the large intestine and help to
form the feces but by far the large-
st amount of this is formed by
animal substances excreted by the
mucous membrane. Our knowledge
of these substances is very incom-
plete but there can be no doubt
that their discharge by the mu-
cous membrane is absolutely neces-
sary to health. The feces contain
a peculiar crystallizable substance
called excreline, fat, fatty acids, cho-
lesterine and remnants of undigested
food. Very little absorption



place in the large intestine, its office being to separate and discharge certain excrementitious matters.

The object of digestion being to procure food for its absorption and appropriation by the tissues of the body, the fact at once presents itself that it is absolutely necessary for this process to go on, and that anything which interferes with it will be prejudicial to the general health, just in proportion to the extent of the interruption. Such being the case everything should be done to pro-



note this physiological action.
And to do this it is necessary that
the food should only be taken when
the appetite demands it; that it
should always be thoroughly mas-
ticated; and that both mental and
physical excitement should be a-
voided during the process.

M. C. C.

January 20th 1855



Inaugural Dissertation
On
Typhoid
Submitted to the Examinations
of the
Board of Regents and
Faculty of Physicians
of the
University of Maryland
For
The Degree
of
Doctor of Medicine
By
J. H. H. H. H.
of Maryland
Feb. 3rd 1875.



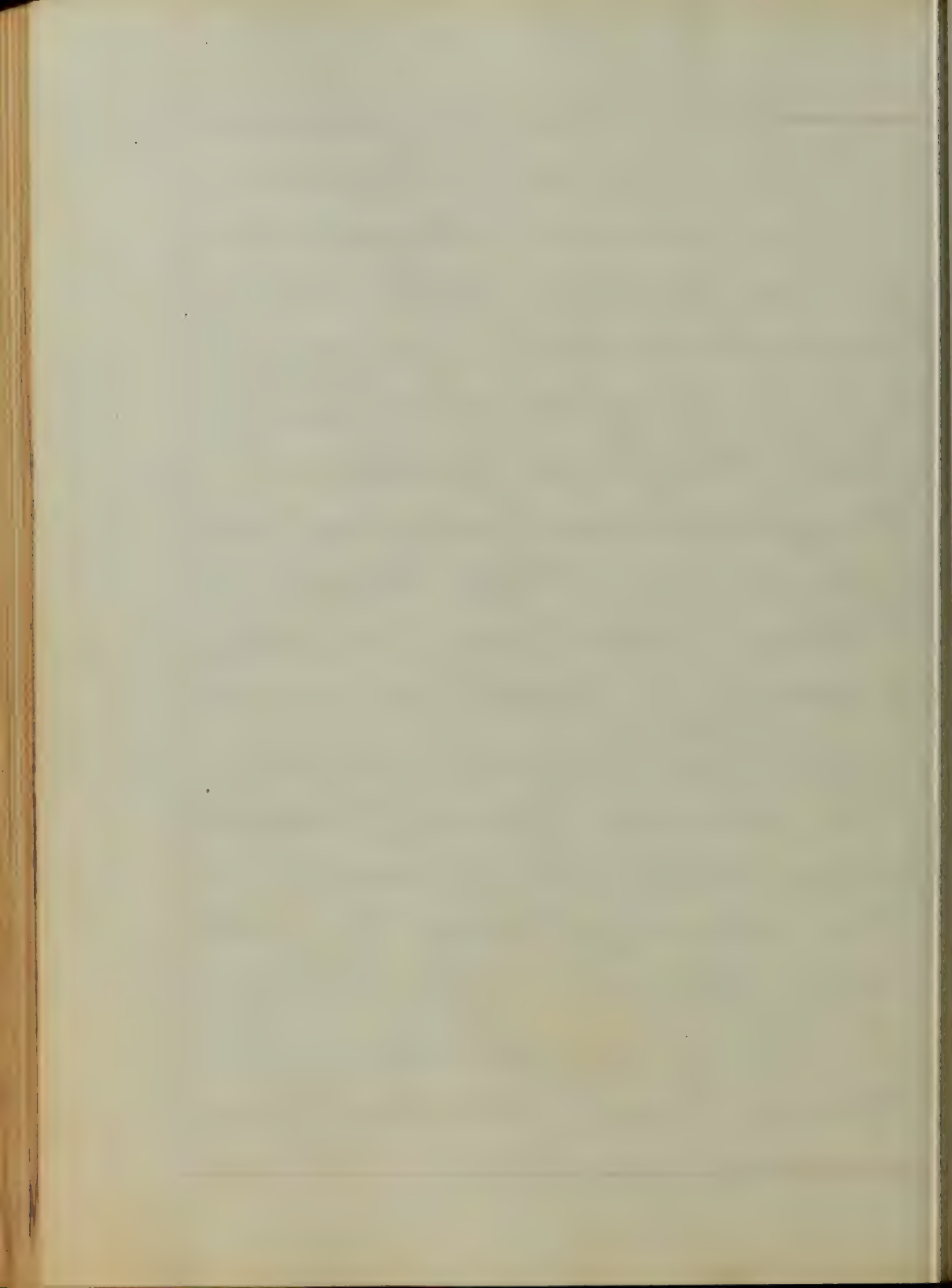
Smallpox

The history of this disease seems to be somewhat obscure. It is supposed by some, to be an ancient disease, by others that it was introduced into Britain when it before the Medical Council in the year 1826. It has been prevailing in our country only about 15 or 20 years, but it is supposed that Washington fell victim to it, making it appear to be an old inhabitant of our country. The first epidemic in our country was in 1850 beginning in California.



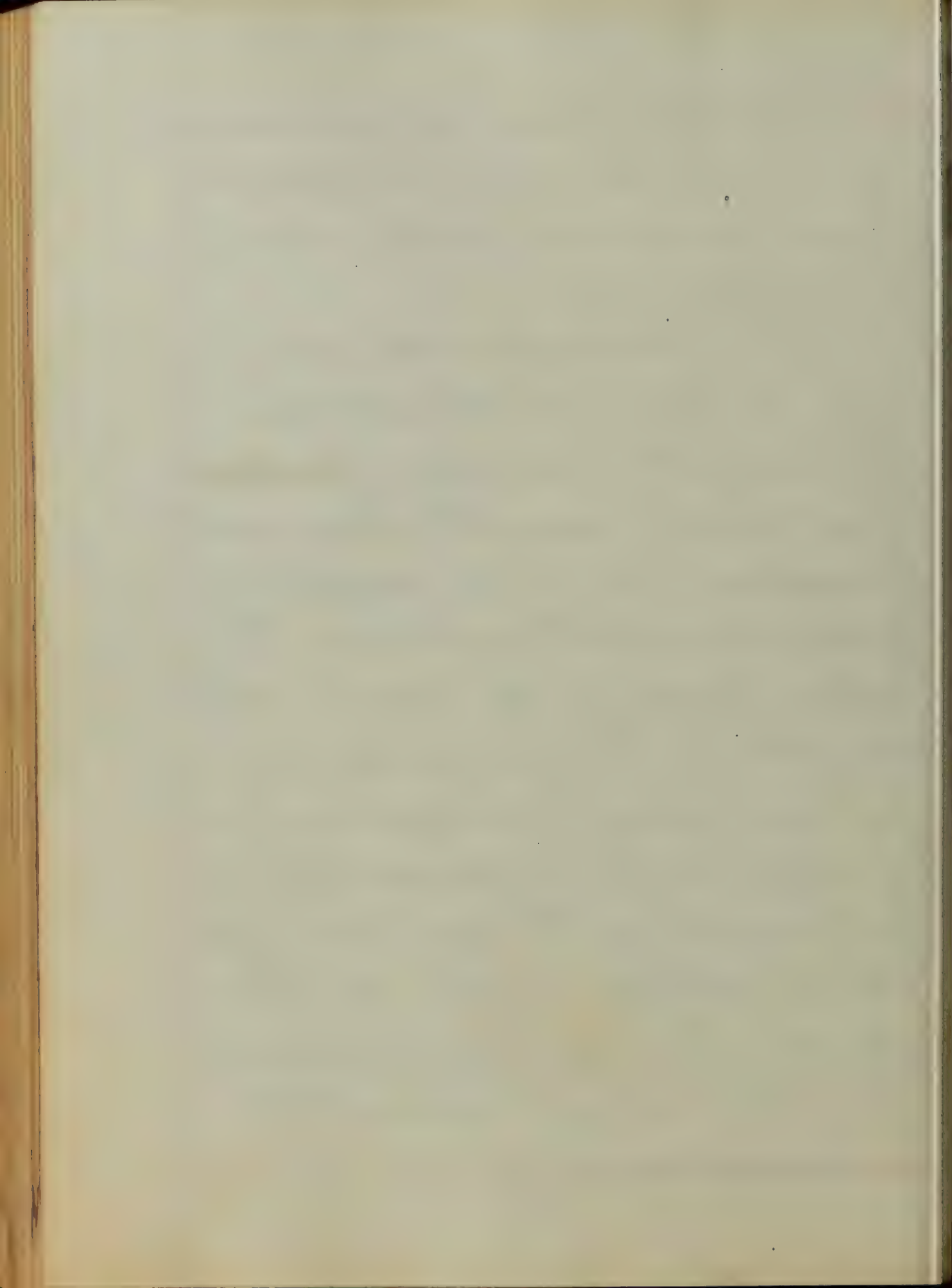
Perforated Ulcer

The feature characteristic of this disease is the pseudo-membrane, in a greater number of cases affecting first the fauces and then the tongue does not extend further while in others it extends in the direction of the anterior and posterior nares into the mouth affecting the gums down the esophagus into the stomach, & the larynx down the trachea into the small tubes to the conjunctiva & the ears and indeed every

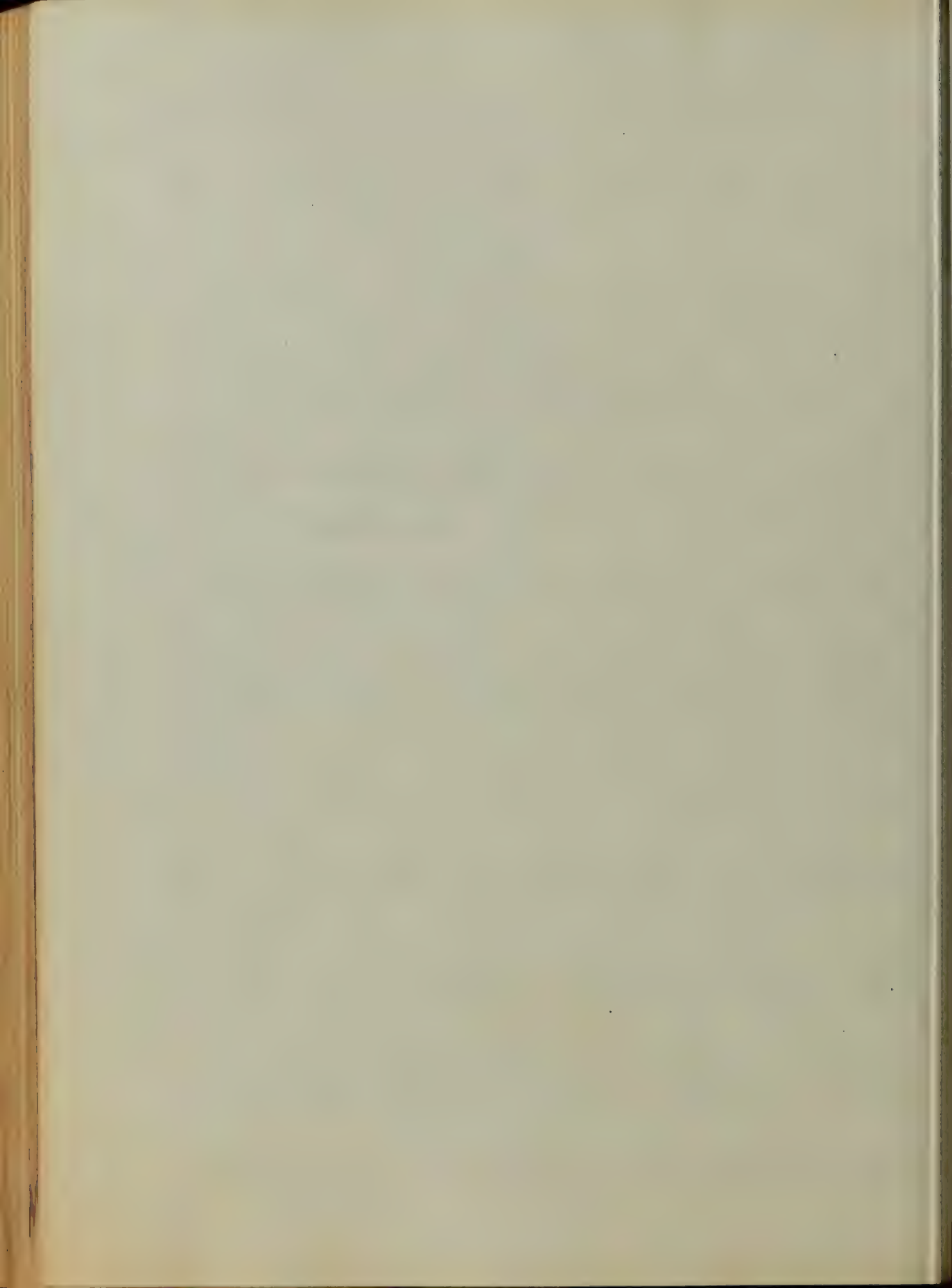


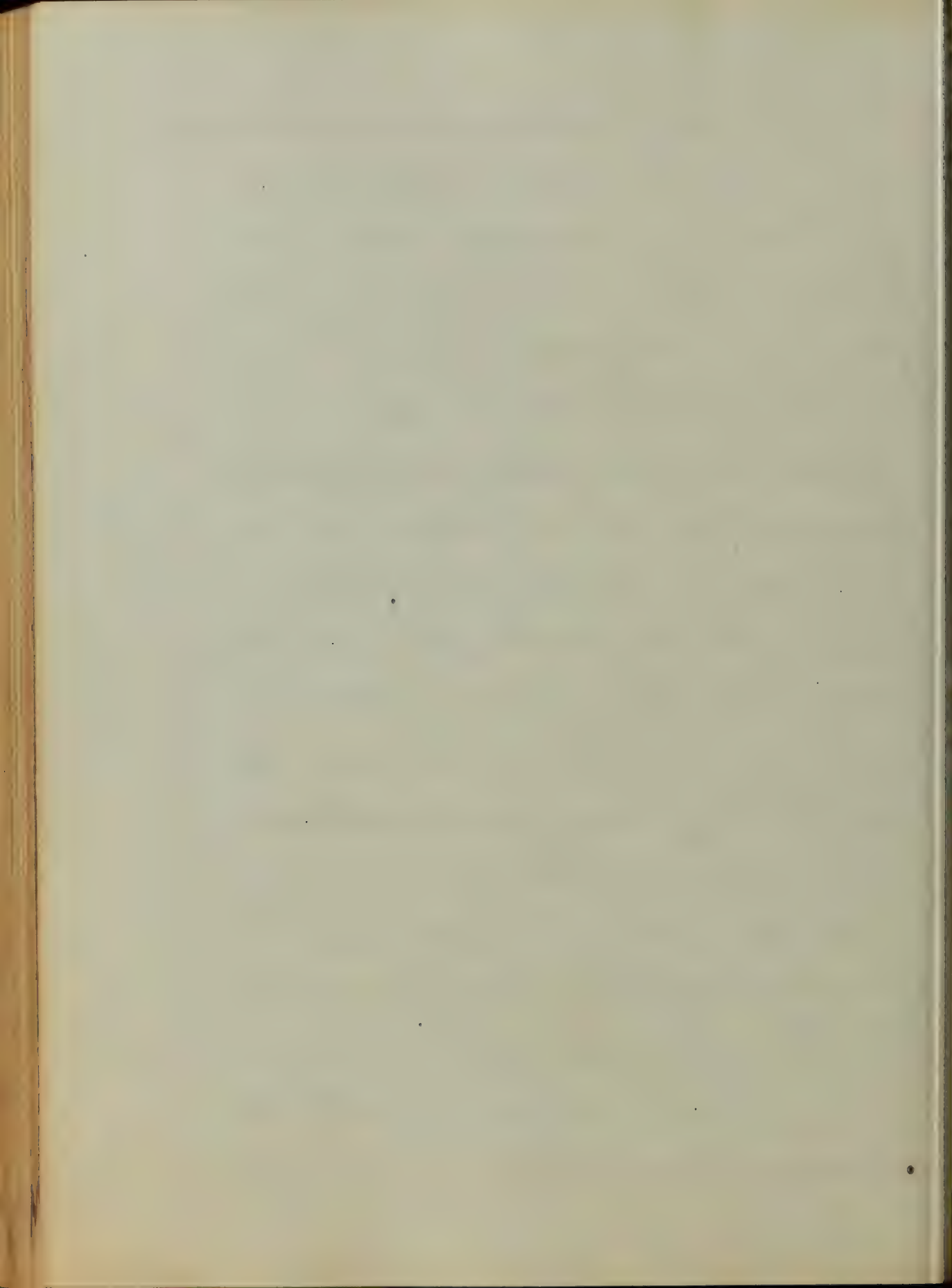
Microscopic structure of the
Such cases are particularly
very rare.

The pseudomembrane
of a fibrinous character
gradually becomes thicker
the same time thicker and
broader. It is of a grayish or
grayish white color. The
membrane is closely adhe-
rent to the mucous surface
forming it, becoming firm
and not easily removed by
attempting the removal of
the engorged vessels, are thus
producing a free discharge
of blood. The thickness of the

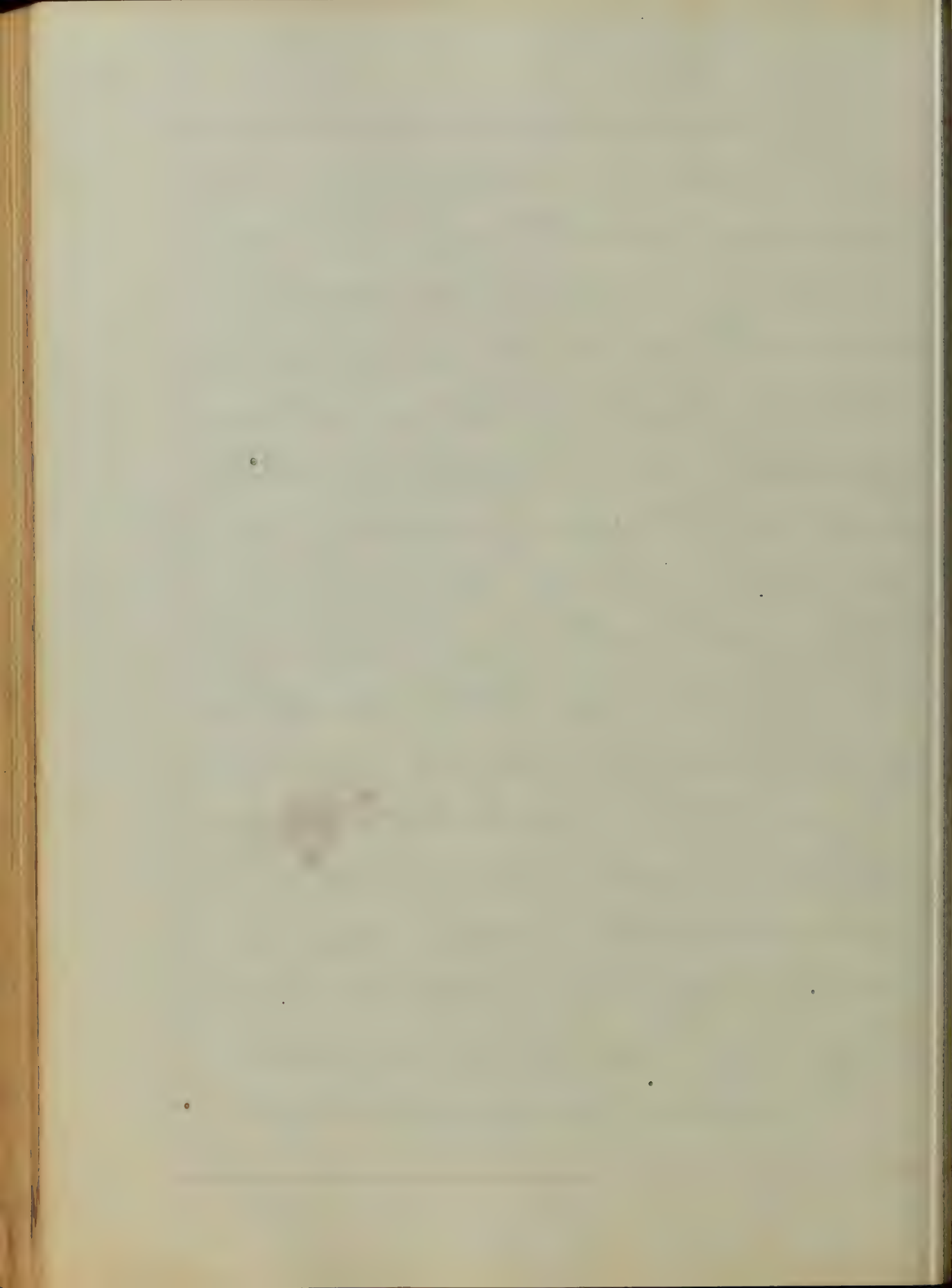


membranes were raised
20 to 30 of an inch. It is some
times firmer in one part
than in another. The mem-
branes contract for some time
more compact than that
underneath in which there
is less fibrillation. When it
begins to decompose the
first becomes softer than
the underneath. When this
occurs, the color of the mem-
brane is changed from a
pale pink or grayish white
to a dirty brown and the
surface is uneven from
the separation of the strata.

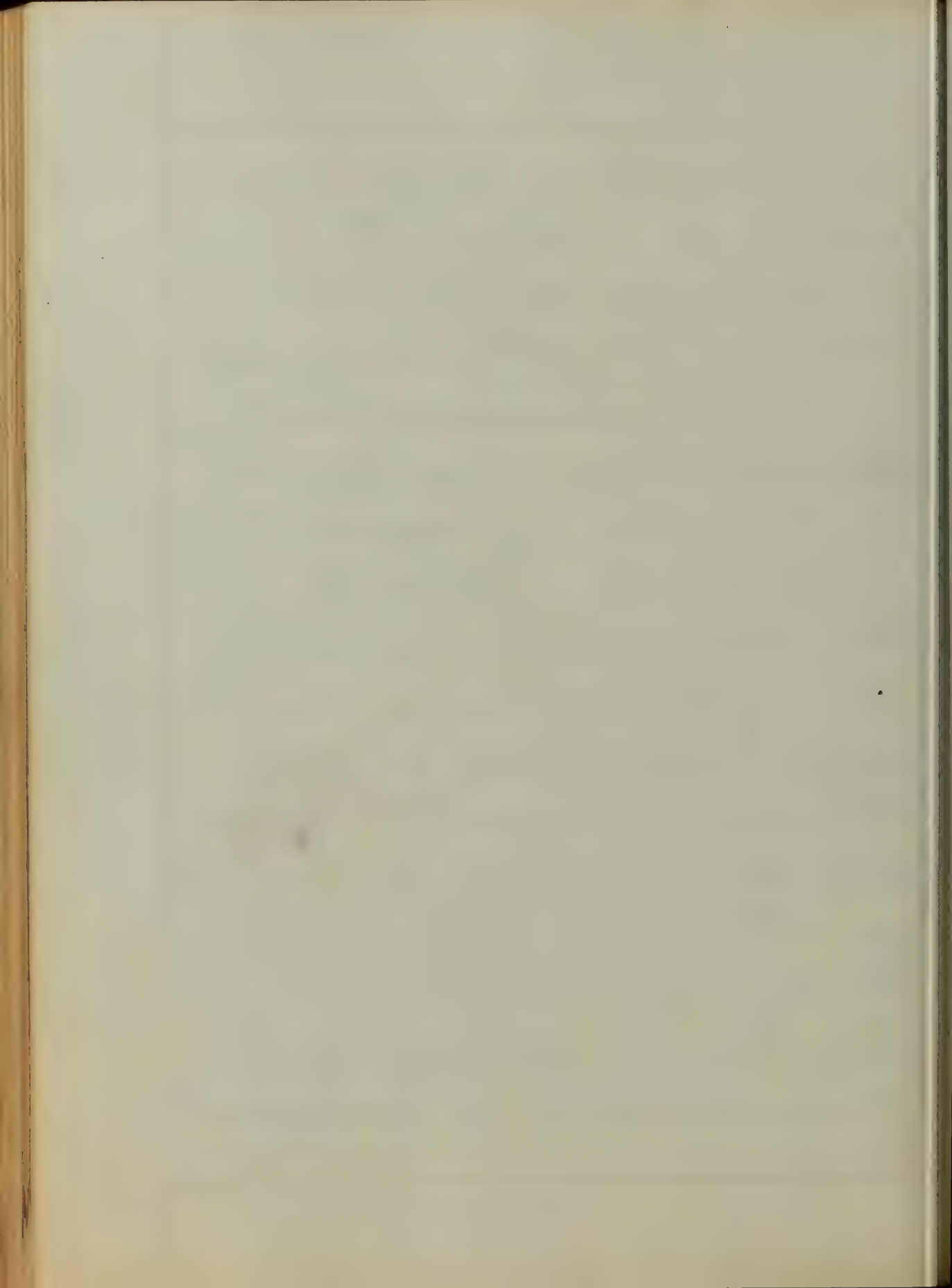




appearance, some basophilic
mixed with epithelioid
plastic nuclei amorphous
matter and delicate inter-
lacine fibrillae. In some
instances one are enabled
to detect a confluent growth
on the pseudomembrane.
This growth is generally
the *Ciliaria Albicans* or
a plant closely allied
it or the *Leptothrix*
It gradually disappears in
favourable cases and is
either expectorated or swal-
lowed with the mucus.
The secretions underneath.



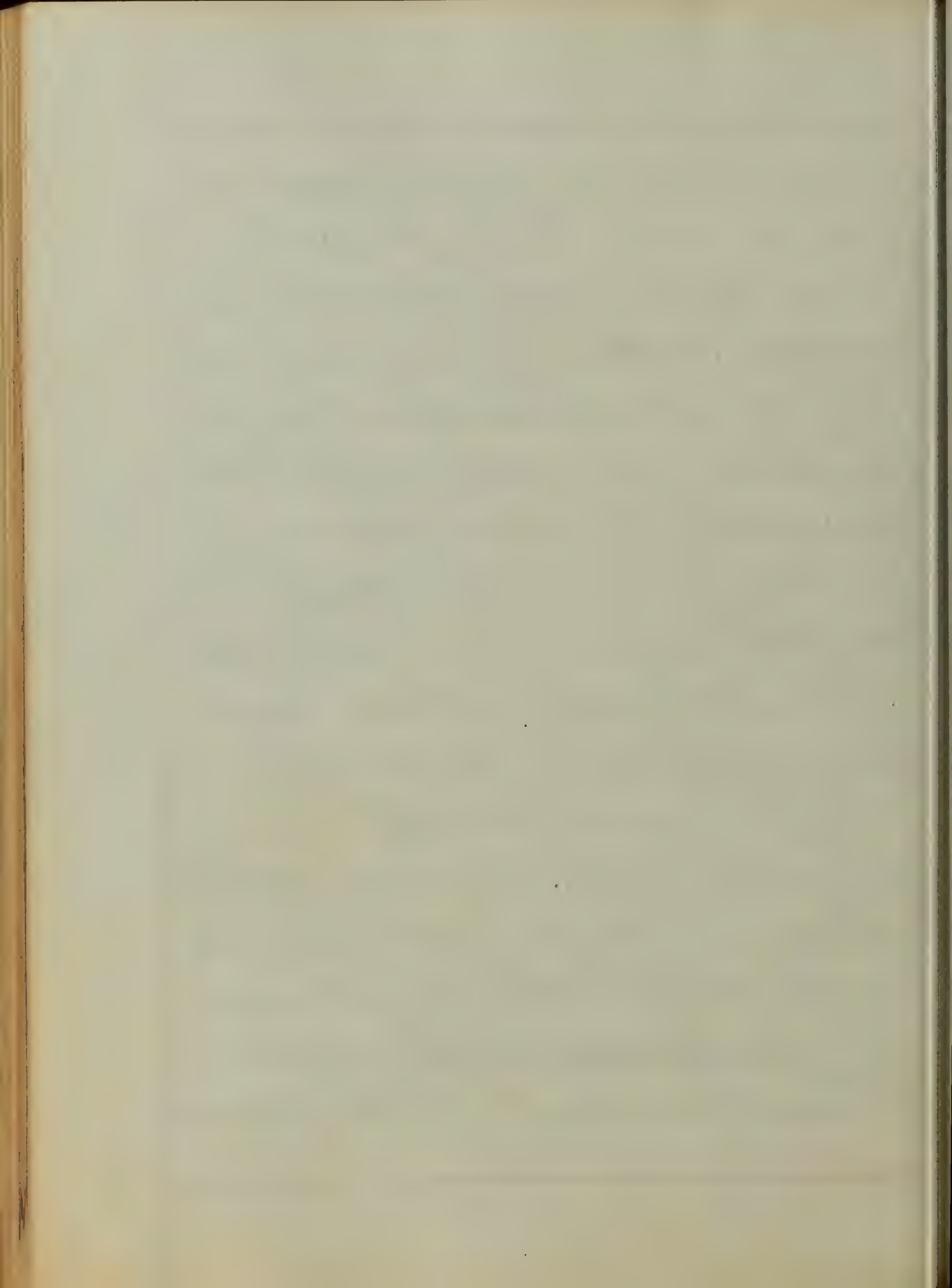
promotes its separation especially
early ones. When the parotid
membrane occurs in the
masses it is attended with
a thin mucous or frothy
discharge running over the
lip producing excoriation
around the lip and in
the mass. The disease is
generally attended with
inflammation of the
cervical glands which
are situated in the con-
nective tissue behind
and below the angle of
the lower jaw and in
grave cases the connection



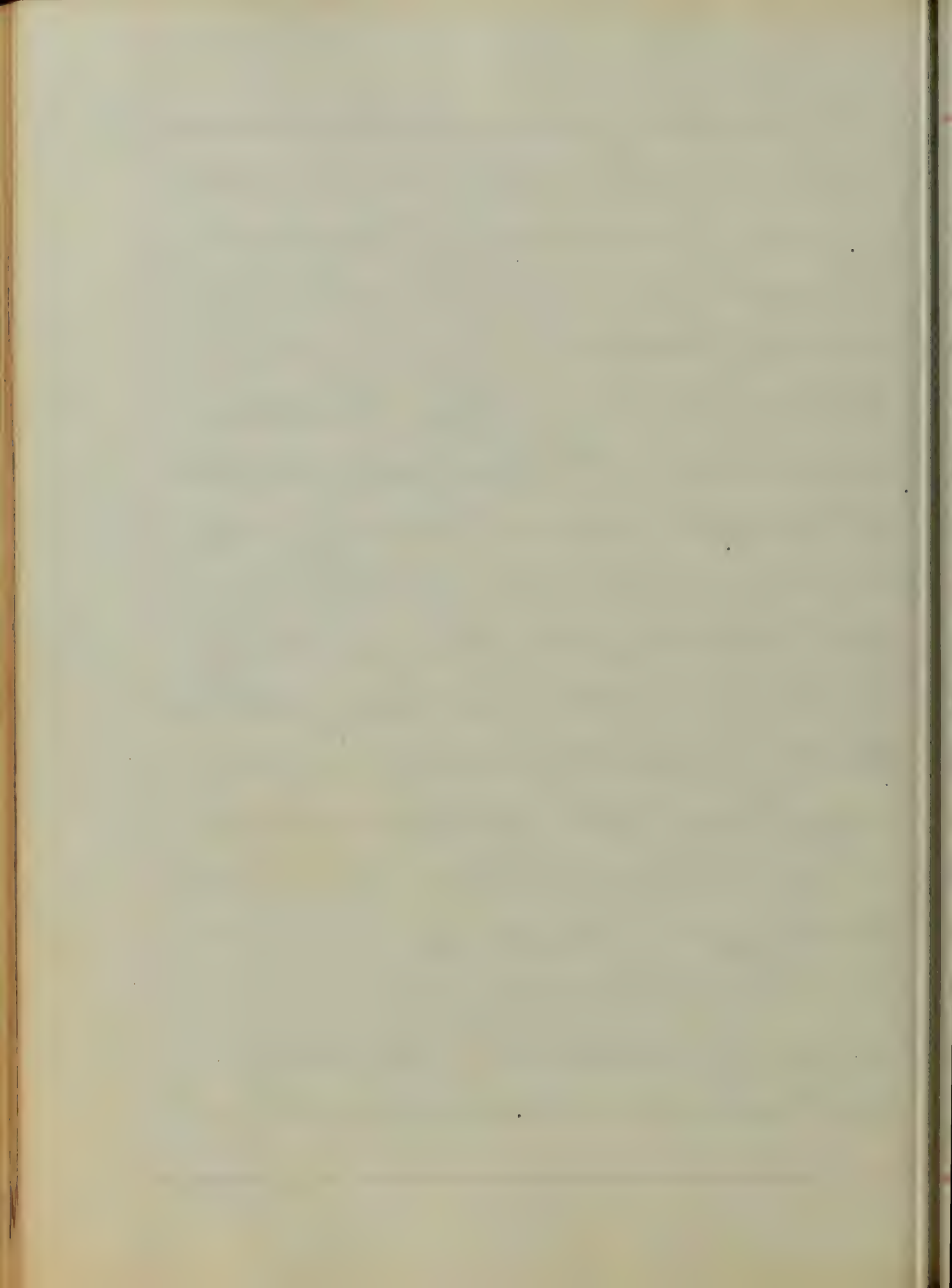
essence of the disease is involved.
In a very few cases the
glans do but sometimes the
suppurate. Bronchitis and
pneumonia are some-
times present in this
disease. The blood from a
patient who has died from
diphtheria is of a brownish
color, by some has been
compared to porridge.

Symptoms.

The symptoms vary greatly.
They are premonitory but
not distinctive, a degree
of chilliness slight sore
throat swelling of the glans



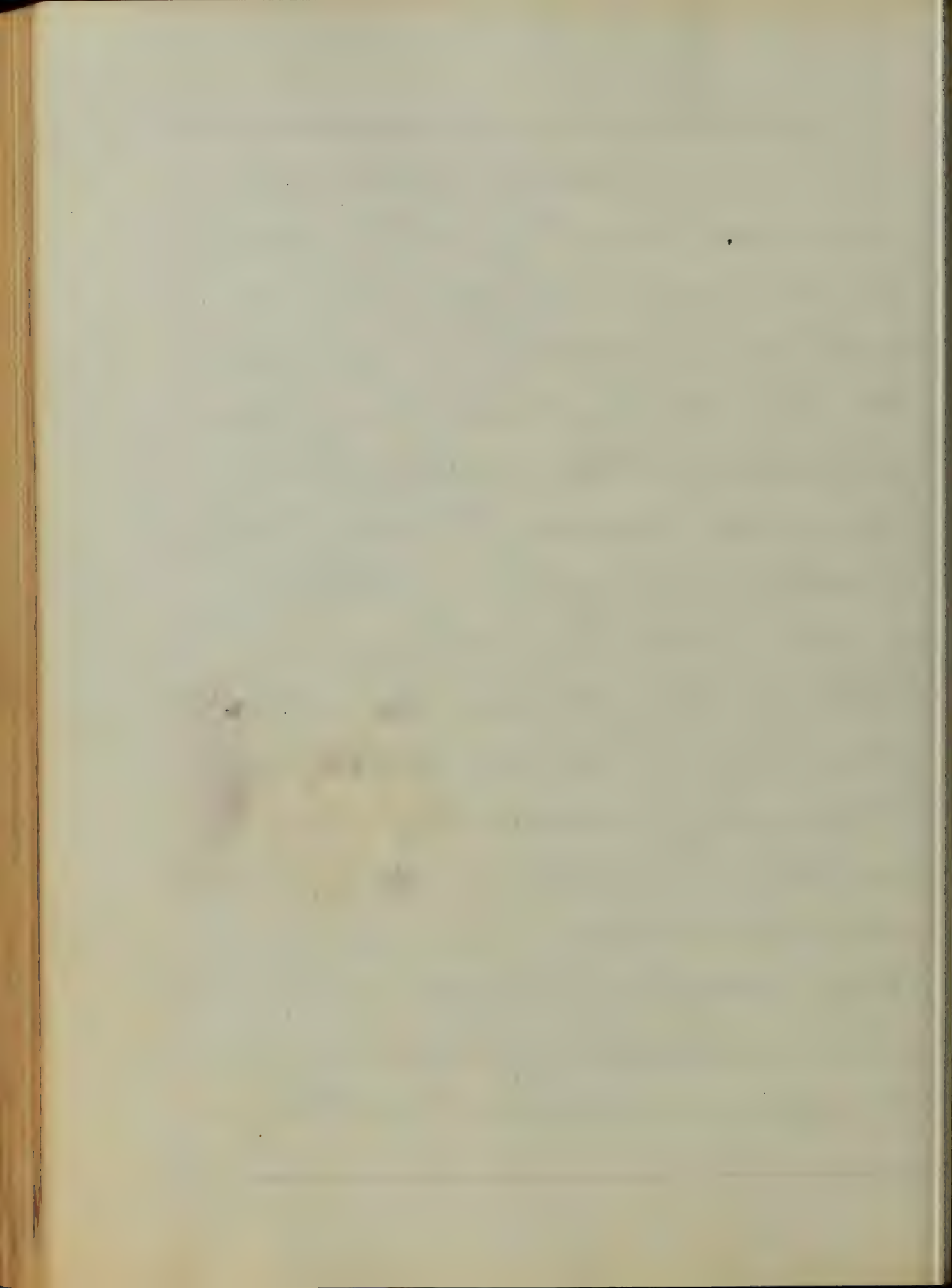
During the intermission
fever, headache, languor
loss of appetite, constipation
constipation, difficulty of
swallowing etc. In some
instances of the disease there
is a red or purple appear-
ance and also the ton-
sils and palate is early
as the second day, or third
third of its appearance
making its appearance
In some cases the mem-
brane extends
to the larynx quite
early in the attack
which is manifest by the



Such as the lungs, stomach, &
 and respiratory passages
 which is when the will
 is most interfered
 with and in worse cases
 the plate and inside are
 destroyed, attended with
 a dark coloured matter
 or matter, binding the
 or have from the
 mouth, stomach and
 rectum, and an enor-
 mous enlargement of
 the parotid, cervical or
 submaxillary glands are
 present in very grave cases



The circulatory and nervous
respiration, the digestive organs
and other systems are
all involved to a greater
or less extent in very un-
favourable cases. The
pulse varies in very bad
cases it is rapid, in others
rare at first then full.
Below the standard of health
it is soft and compress-
ible and sometimes irreg-
ular. The skin rarely presents
an increase of heat. Spins
are sometimes seen and
sometimes it presents an
anaemic aspect although



... these. Rose spots are also
sometimes seen but the
disease has no character-
istic eruption. The res-
piratory affection is due
to diphtheritic inflam-
mation of the larynx,
trachea and bronchial
tubes. Appetite is usually
gone and muscular weak-
ness is present and in some
diarrhoea is present, and is
usually a bad sign. In
severity of cases the mind
is affected. Convulsions
and coma are rare and

where present are supposed
to be due to irraemia in
most of our all cases. In
malaria is frequent. Part
of the causes of the
paralytic sometimes, also
paraplegia and hemiplegia
& Hysteria.

This disease must be placed
in the same class as measles
smallpox, scarlet fever and
the like, being a blood-
disease. The infectious char-
acter of the disease is doubted
by some, but admitted by
most pathologists. & like
typhoid attack measles is



family, and in a great
To have it generally stated that
remain in the same room
with the patient, are the ones
attacked while those in the
compartment are freed
from it. The inoculability
of diphtheria had not been
fully demonstrated, but it is
believed by many that the
serum from a diphtheritic
patient or even from a wound
applied to a mucous or abra-
ded surface of a healthy
person, communicates the
disease, of the inoculability
of this dreadful disease
J

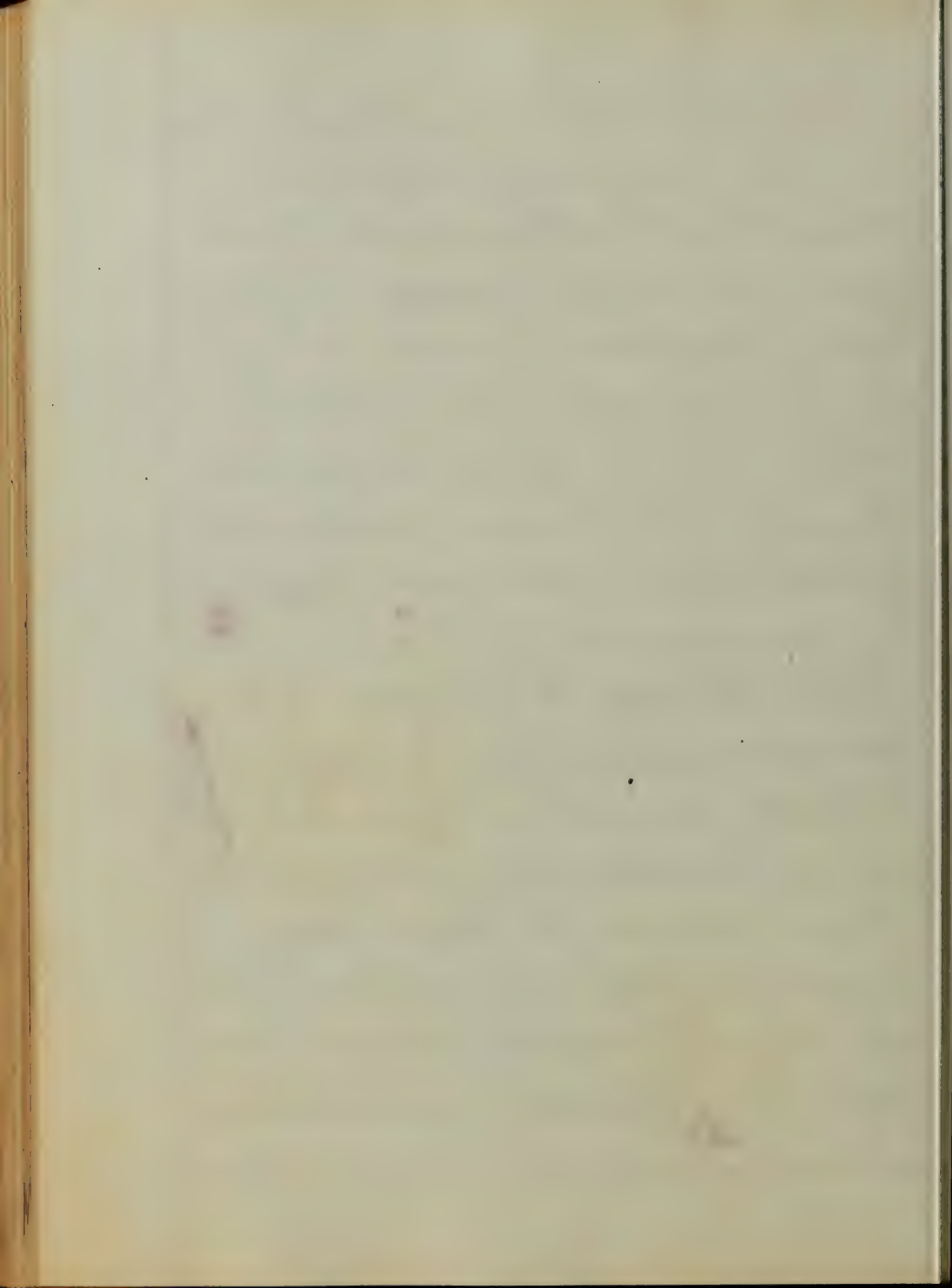


was a sad example of the
of 1860 in the loss
one of the former professors
of our Alma Mater. The
narrated Prof. Frick, who
lost his life in trying to cure
a patient. He had performed
tracheotomy, and it being
necessary to remove the col-
lected matter from the tube
he removed it by replacing
the tube in his own mouth.
Thus he received a portion
of the matter on his own life.
For a short time he was at-
tacked with diphtheria and
soon was a corpse.



Another example is the
death of "Nathan" who fell
victim to it by receiving a
bit of saliva from a patient
into his own mouth. Both
other throat lameness, however, had
and "Peter" tried, without
success to communicate it
by innoculating the same.

Diphtheria is epidemic or
endemic. Sporadic cases
rarely occur. The period of
incubation is from one to
three days. It is always
essentially the same whether
in a child or an adult or
found. Climate and season



to not occur in a particular
Does it show any marked
preference for either
healthy places where dirt
and crowd poison abound?
says Harrison. But Prof. [?]
[?] says "It is more
and fatal where anti-hy-
gienic conditions prevail."
Tuberculosis occurs at any
age. Instances are on record
of infants three months and
persons seventy years of age
dying of it.

Diagnosis

The diagnosis in most cases
is easy when the local mani-

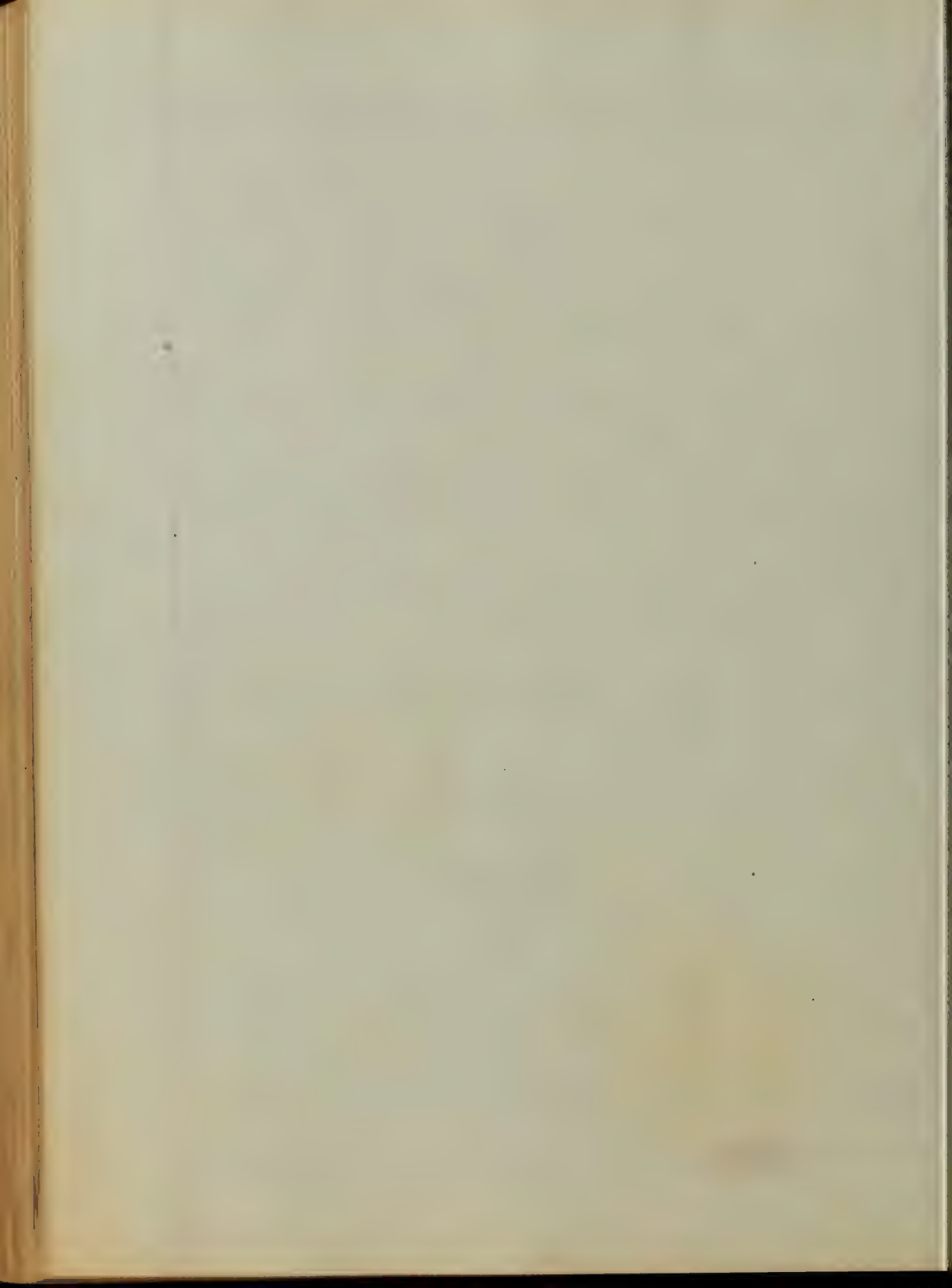


gestions. I have taken several
times accompanied with
simple pharyngitis
attended with or without
But the microscope
be detected, the extent of
ing is greater in diphtheria
than in simple pharyngitis.
In some cases there is a
us. Hence to secure
The rash upon the skin and
the absence of the faucial
membranes are enough to distinguish
scarlet fever from diphtheria.
Besides there is no
low, as in diphtheria. How
ever it may be distinguished

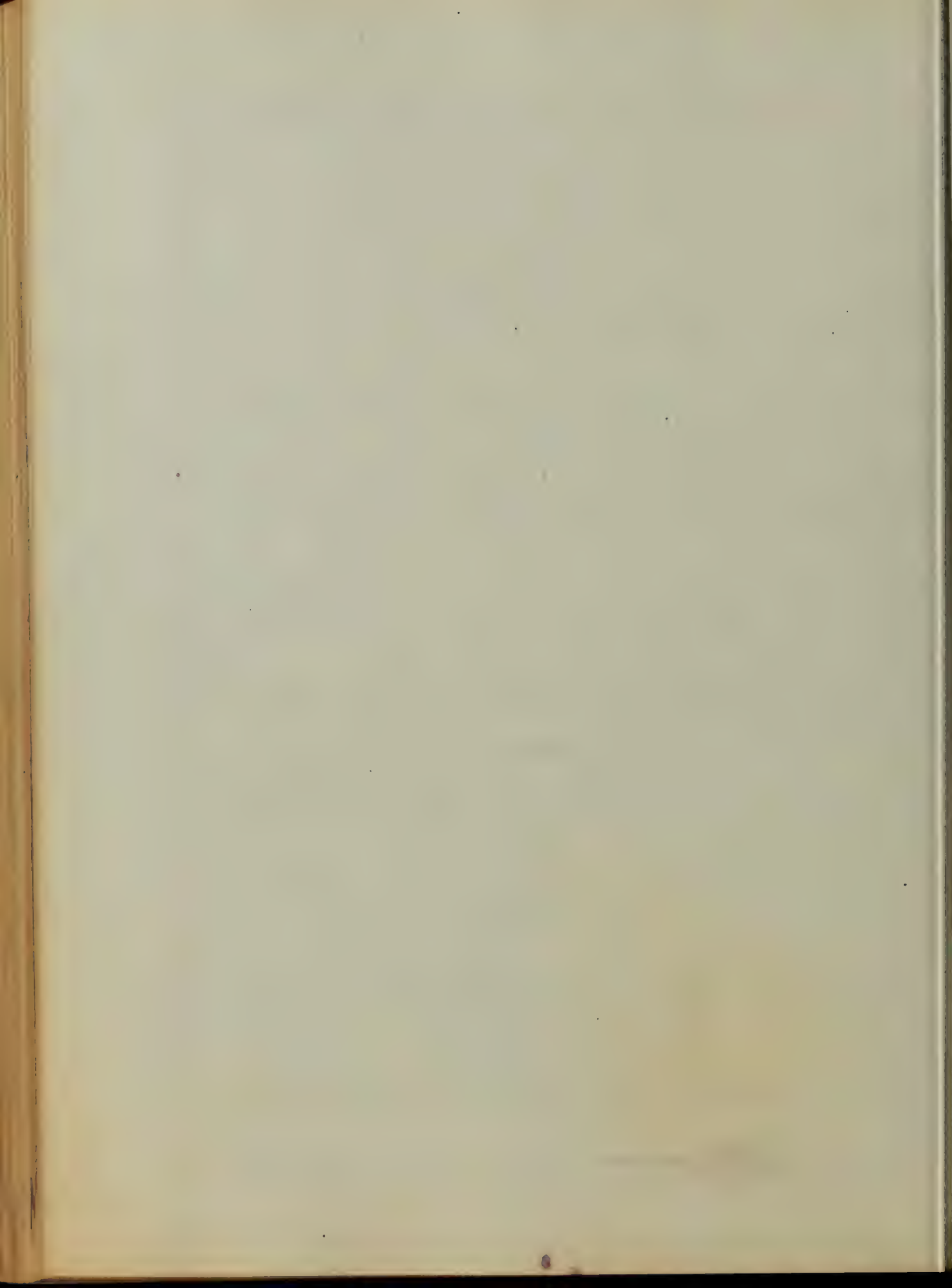


By the extent of the
which in most cases of diph-
theria does not extend to the
larynx, while in scarlet
fever, also by the absence of severe
constitutional symptoms
such as prostration, delirium
&c. Diphtheria is diagnosed by
the deposit being made in the
area of the pharynx, never vesicular
mostly darker in colour and
attended by more severe con-
stitutional symptoms.

Prognosis
The prognosis is more favour-
able when the disease occurs
& spontaneously in children

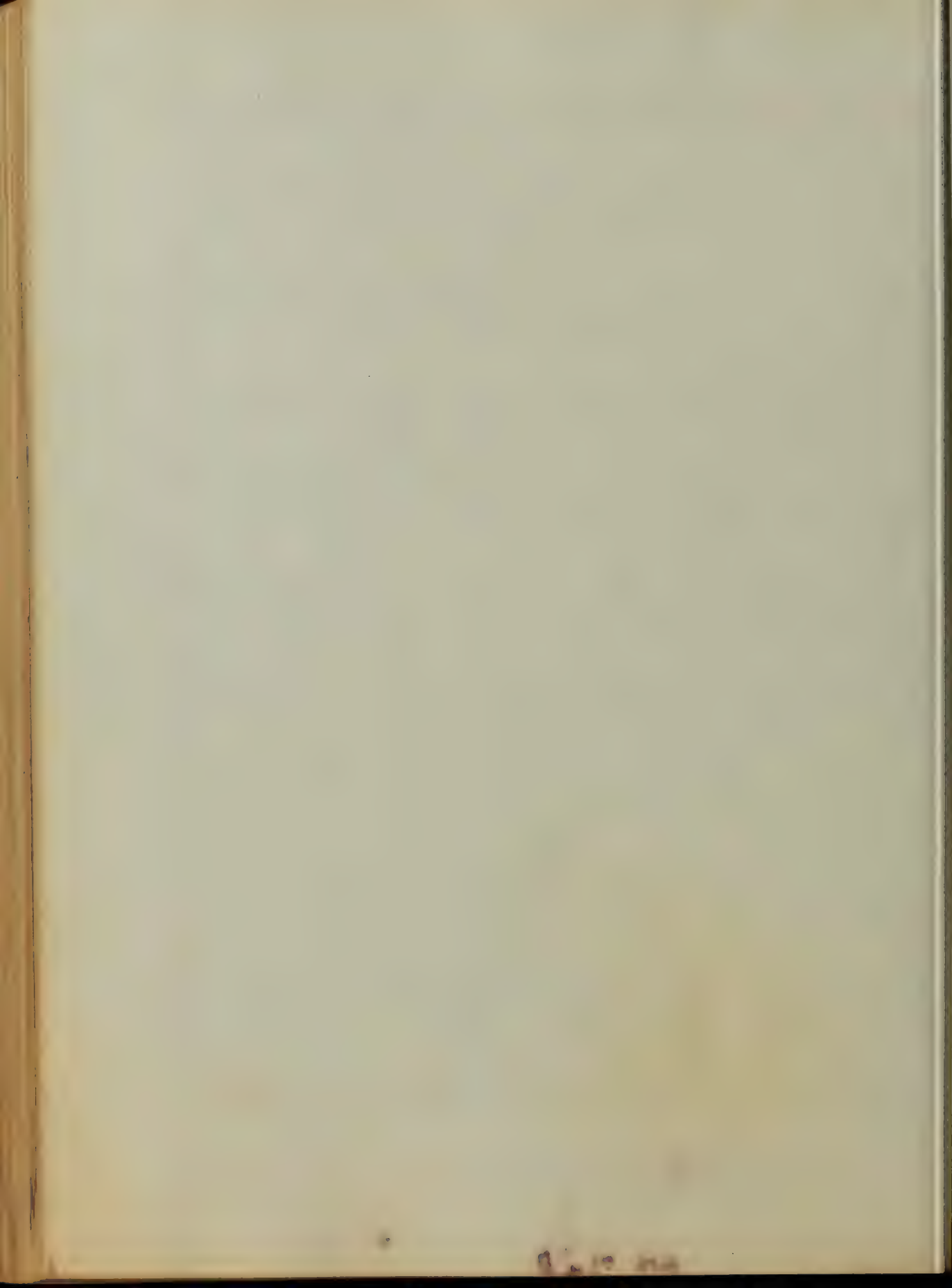


The epidemic influenza
 prevailing. The prognosis depends
 also on the amount of pseudo-
 membrane and great cervi-
 cal cellulitis and adenitis.
 When the disease extends
 the larynx there is little or
 no hope of recovery, and may
 be considered most dangerous.
 There is also great danger
 of necrotic or gangrenous
 infection. When the larynx
 is not affected, the prognosis
 is much more favourable. When the
 membrane extends from the
 pharynx into the larynx...



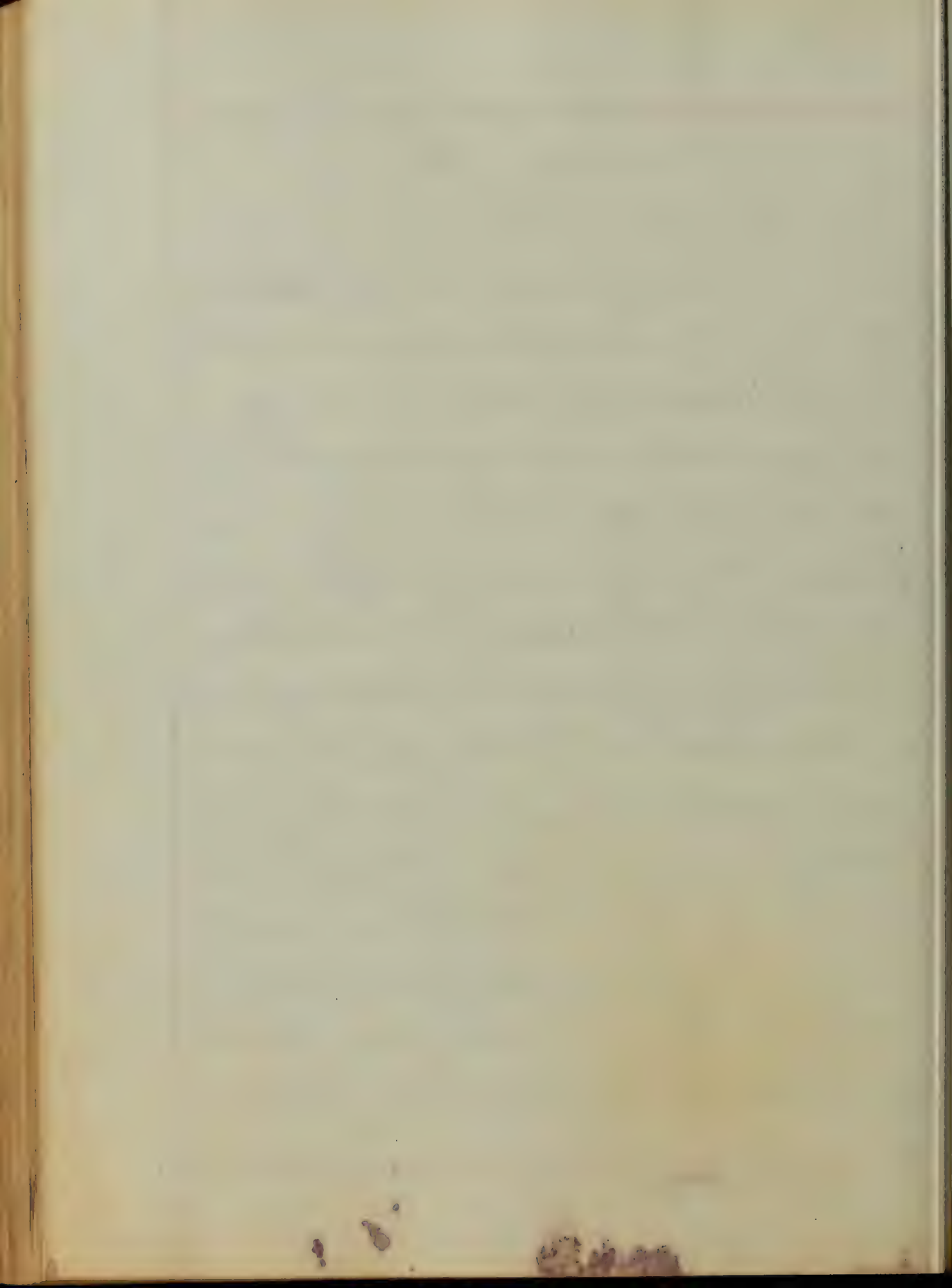
posterior nares, or in the
nasal cavity extensively,
if it exists in large amount
in any other situation.

Great frequency of hiccups
with irregularity, frequent
vomiting, diarrhoea, epistaxis
hemorrhage from nose, mouth
or other situation, tetanus
coma, convulsions, uterine
in mine in abundance and
colicities - frequent
head aches. The patient is
able to swallow. A syncope
follows attempting to swallow
usual position. The patient
efforts to not swallow anything.



Treatment

No specific has been found for this disease, and no general rule for its treatment, but every physician must make his own choice. Nothing has been found very satisfactory in any very severe cases. Bloodletting is rarely, if ever, necessary, nor is depletion by drugs. In some few exceptional cases leeches may be applied to the throat early in the attack. In mild cases, Magnesia or Rochelle salt may be given as a purgative. Chlorate of Potassa is a good



remedies with some and with
 supported advantage in doing
 so, in the morning in solution
 every three or four hours. The
 Lincture of Chloride of Iron is
 relied on by many and with
 very decided advantage
 either with or without the
~~Powder of Iron~~ ~~Liniment~~
 grain dust every three hours
 Liniment of Chloride of Iron
 in water Sulphite of Soda
 and Sesquichloride of Iron with
 Glyster are all considered
 useful in its treatment
 Opium and the Tincture of
 are useful locally.



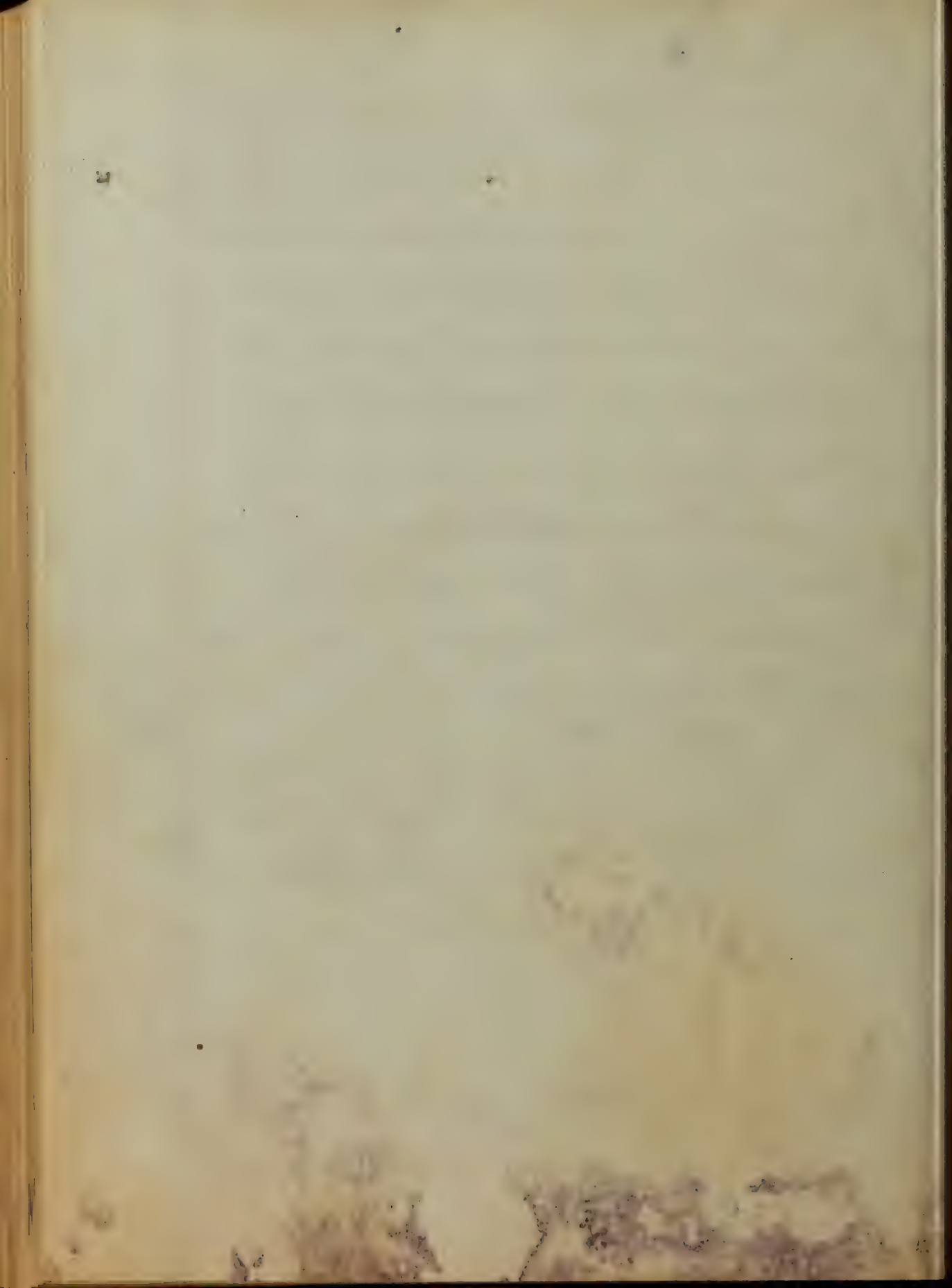
Concentrated virginal
must as a rule be given
with the most liberal
dilution. I have
found it to be
sovereignly
sovereign, to be of most impor-
tance, but in the hands of
"great men" it has been
shown it should not be
violent; Ice in the mouth
is as good as any. Acids
Hydrochloric; and Honey, equal
parts with the mixture
of water, hair brush, cream
and Glycerine, Chlorinated
Soda, dilute carboric acid,
and almost any astringent



which may be used as a
 guide or otherwise. In the
 case of the steam & lime
 water deserves a trial.

Therefore, practicing
 every treatment is left
 over judgment, if patient
 is tending to die from
 suppuration and putrefaction
 early enough, you may
 prevent the operation, but
 if tending to die from poi-
 soning of the system, the opera-
 tion is necessary.

G. H. Cross



1850
Thesis.

on

Bronchitis.

For the degree of M.D.

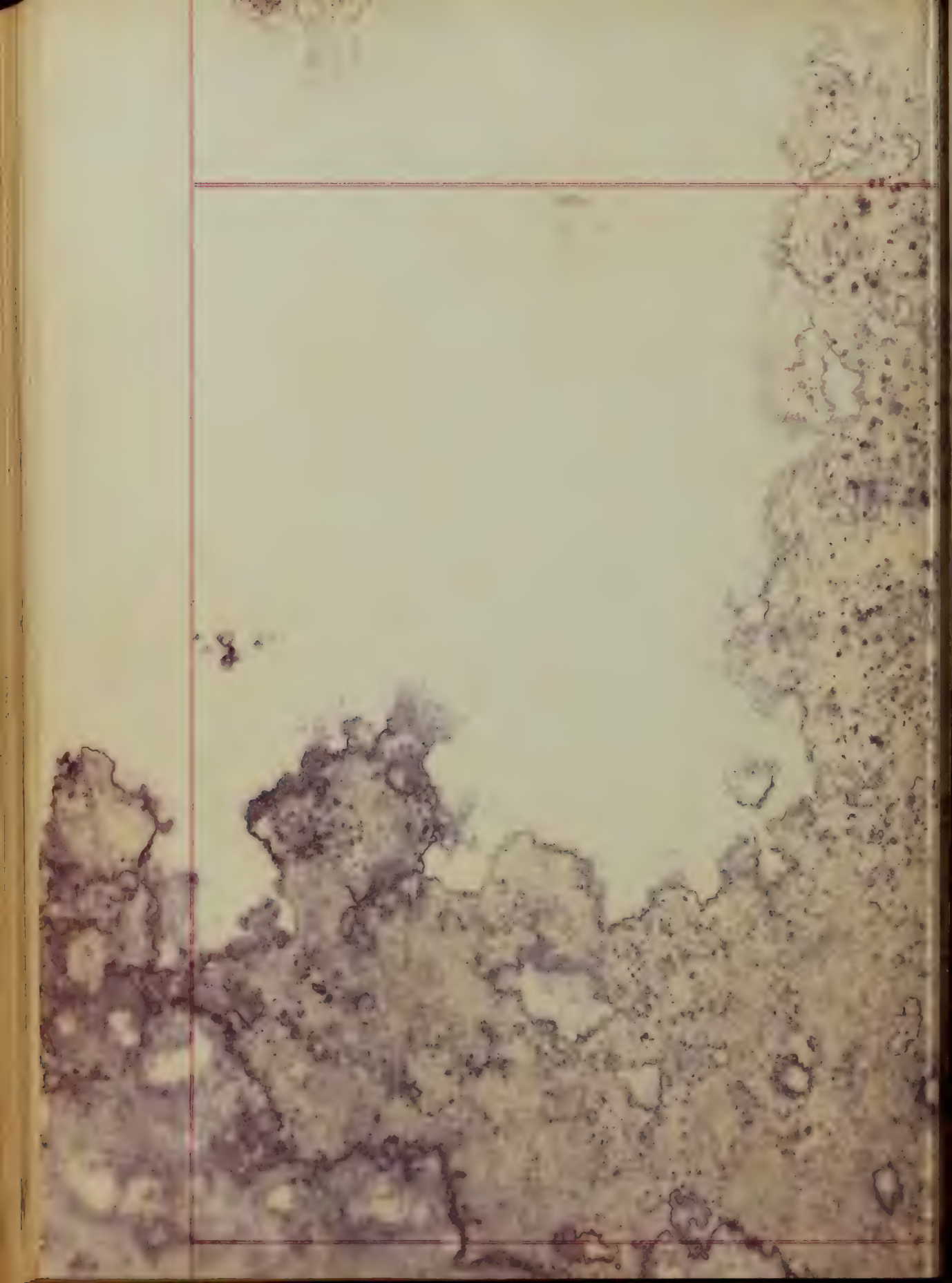
By

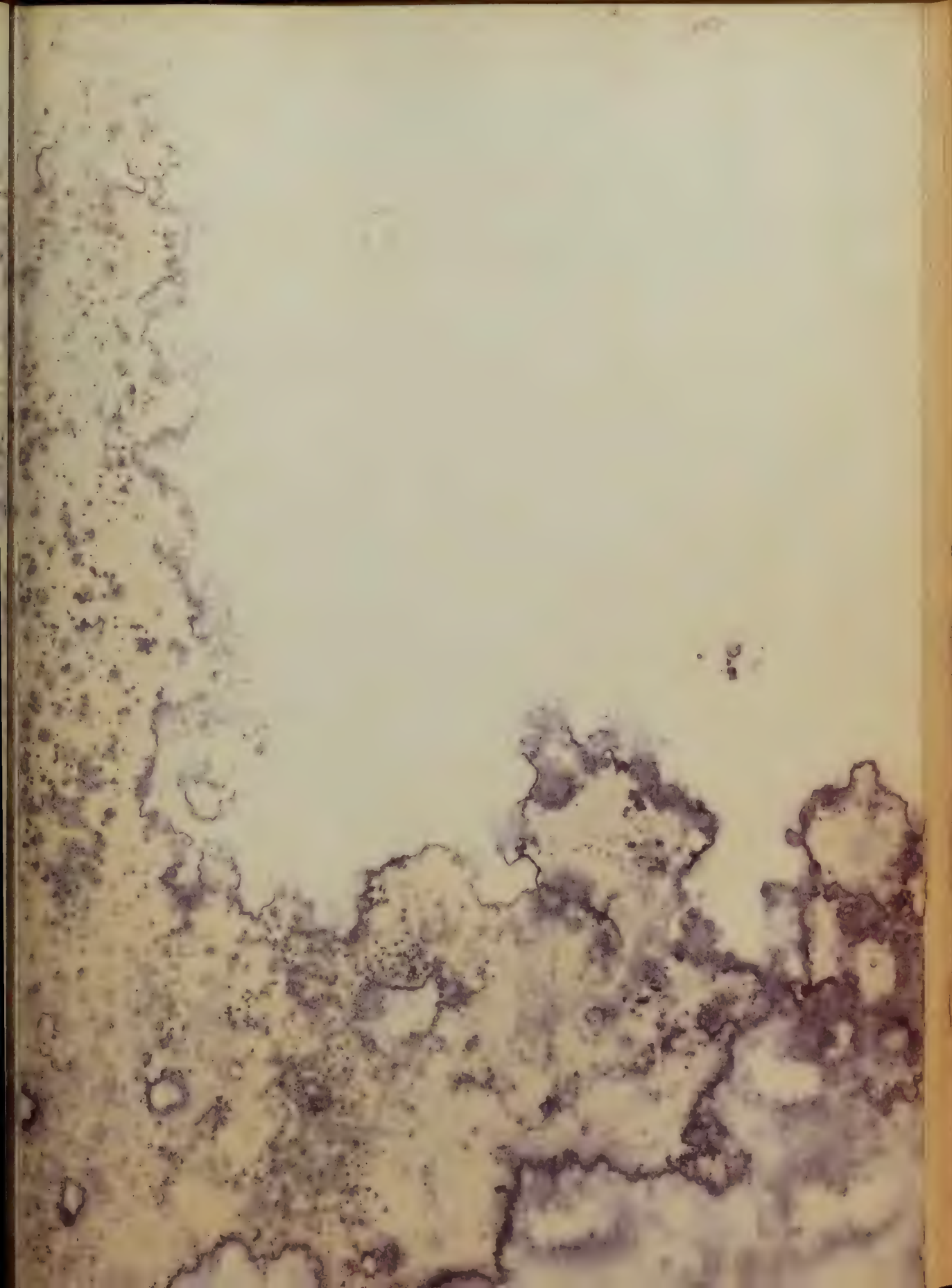
Joseph B. Galloway

University of Maryland

College Park, Md.

1850





Memorandum of Faculty

Resolved

In accordance with the
time honored custom of my
alma mater that each gradu-
-ate for a degree shall, before
receiving his own certificate

I submit the following for your
consideration, recognizing the fact

that my inability and limited ex-
perience will not permit me to

write the same in my reports

to the same in my reports

to the same in my reports







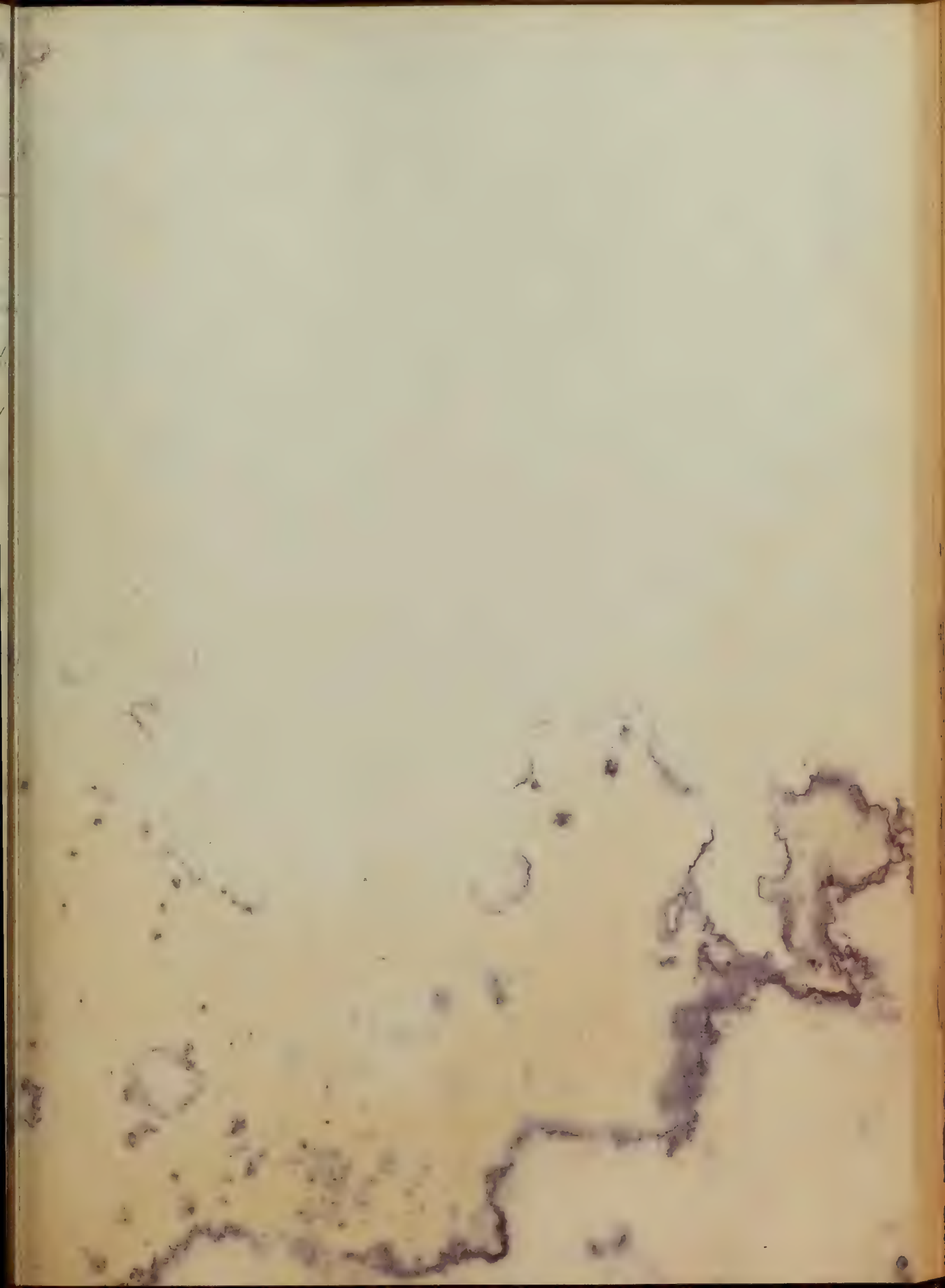
has furnished me with, which in
after years may break upon my cloud-
ed mind, and awake to being the
glorifying images of the Lord, and
lead me to the Contemplation of
that higher life, where knowledge
& wisdom has its seat, and where
ignorance and Superstition can find
no admittance.

Very Respectfully

Wm. B. Sullivan

June 10

1875

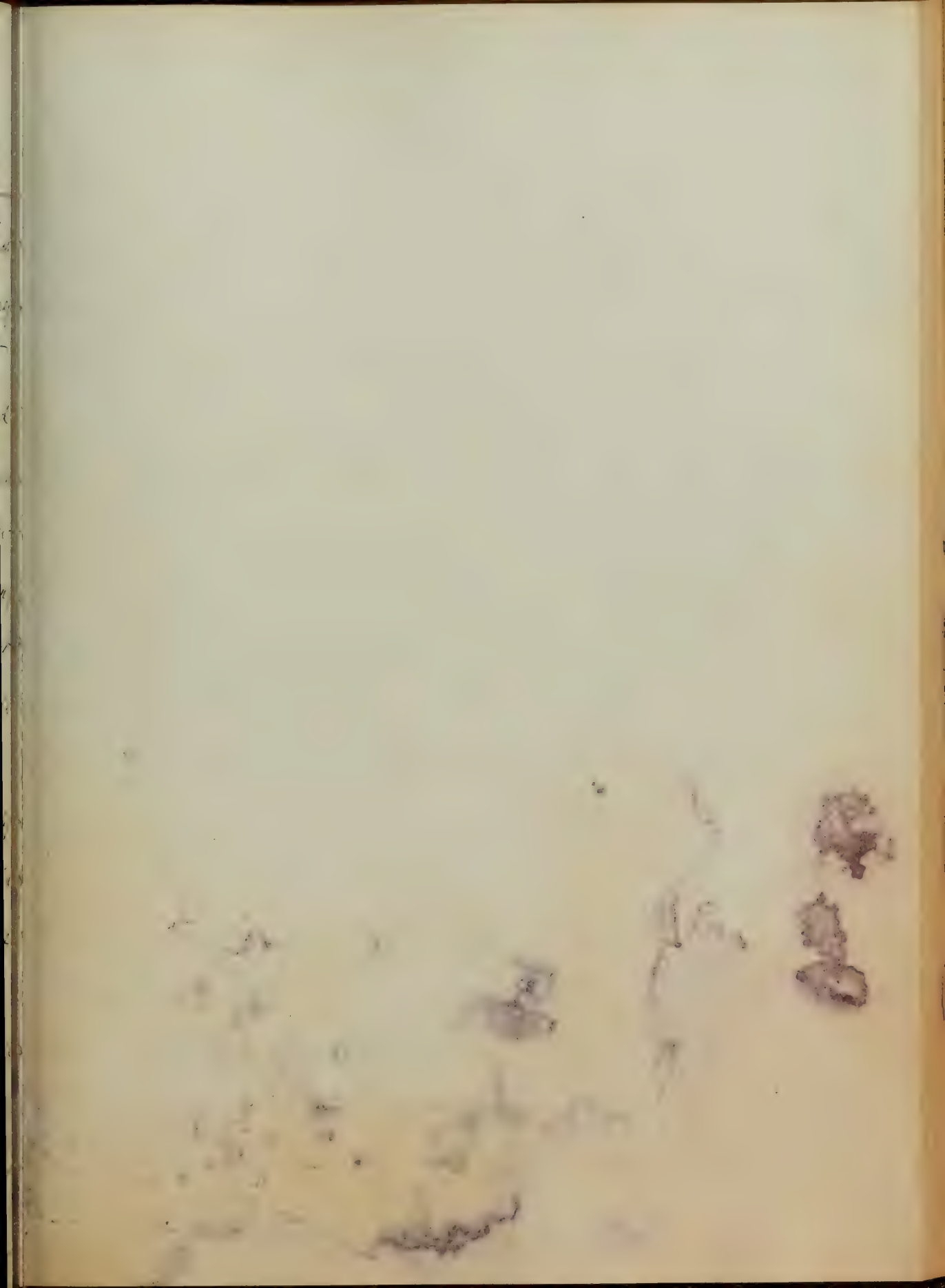






Bronchitis.

The disease ~~about~~ which I am about to give a brief Consideration, is common to all parts of the globe - and although in itself, it is a harmless disease, yet by its continuance & complications, may bring about ~~some~~; or at least one of the gravest diseases to which the human-race is liable. Bronchitis is commonly defined to be an inflammation affecting the lining or mucous membrane of the bronchial tubes. ~~either~~ - large or small. Acute bronchitis - usually attended in youth with slight coryza - hoarseness - lassitude - faint

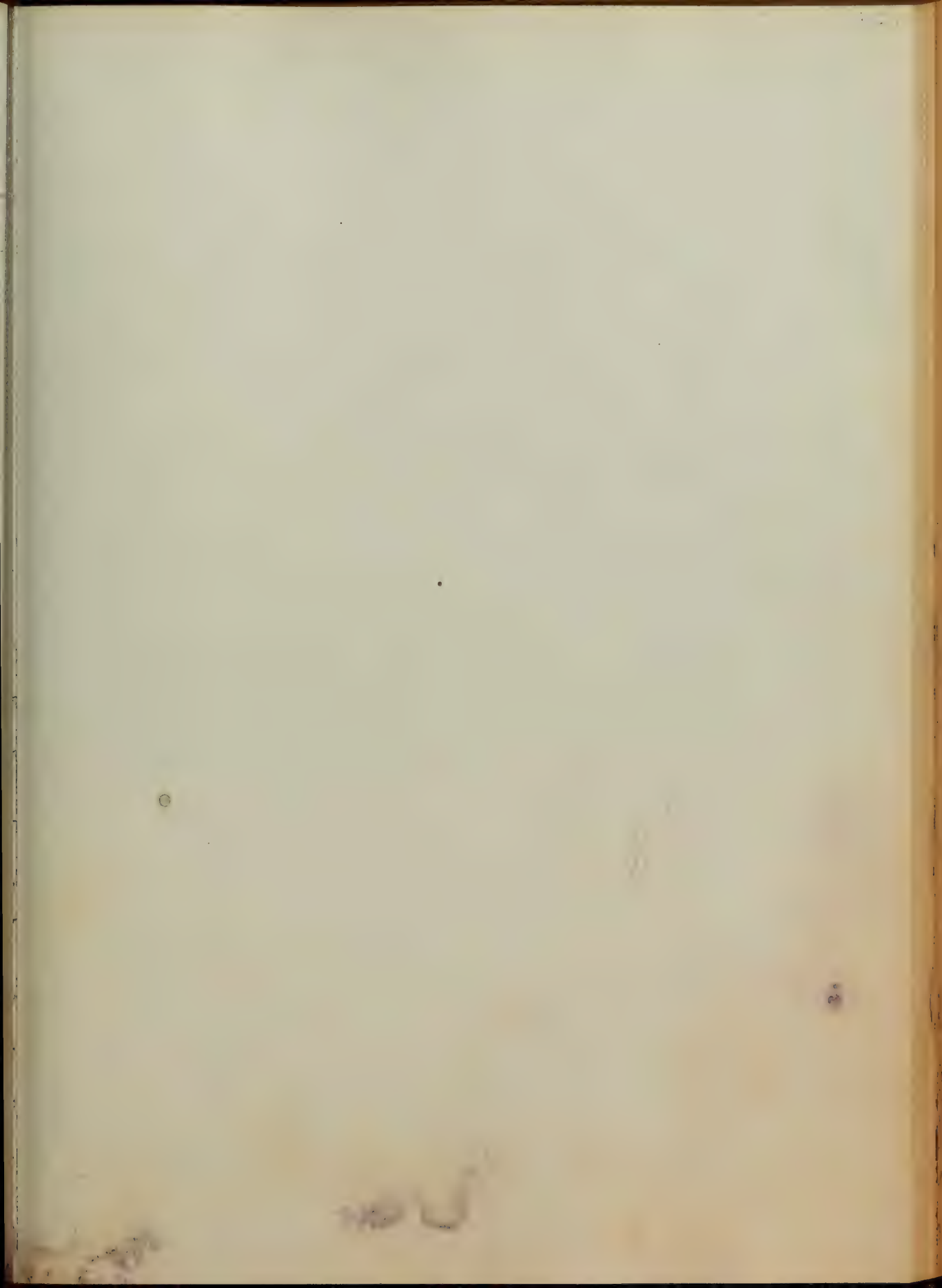


in the back and limbs - and
Sometimes pain during respiration
Cough is usually one of the
first symptoms; which is general-
ly of a dry character at the
beginning & attended with
little or no expectoration;

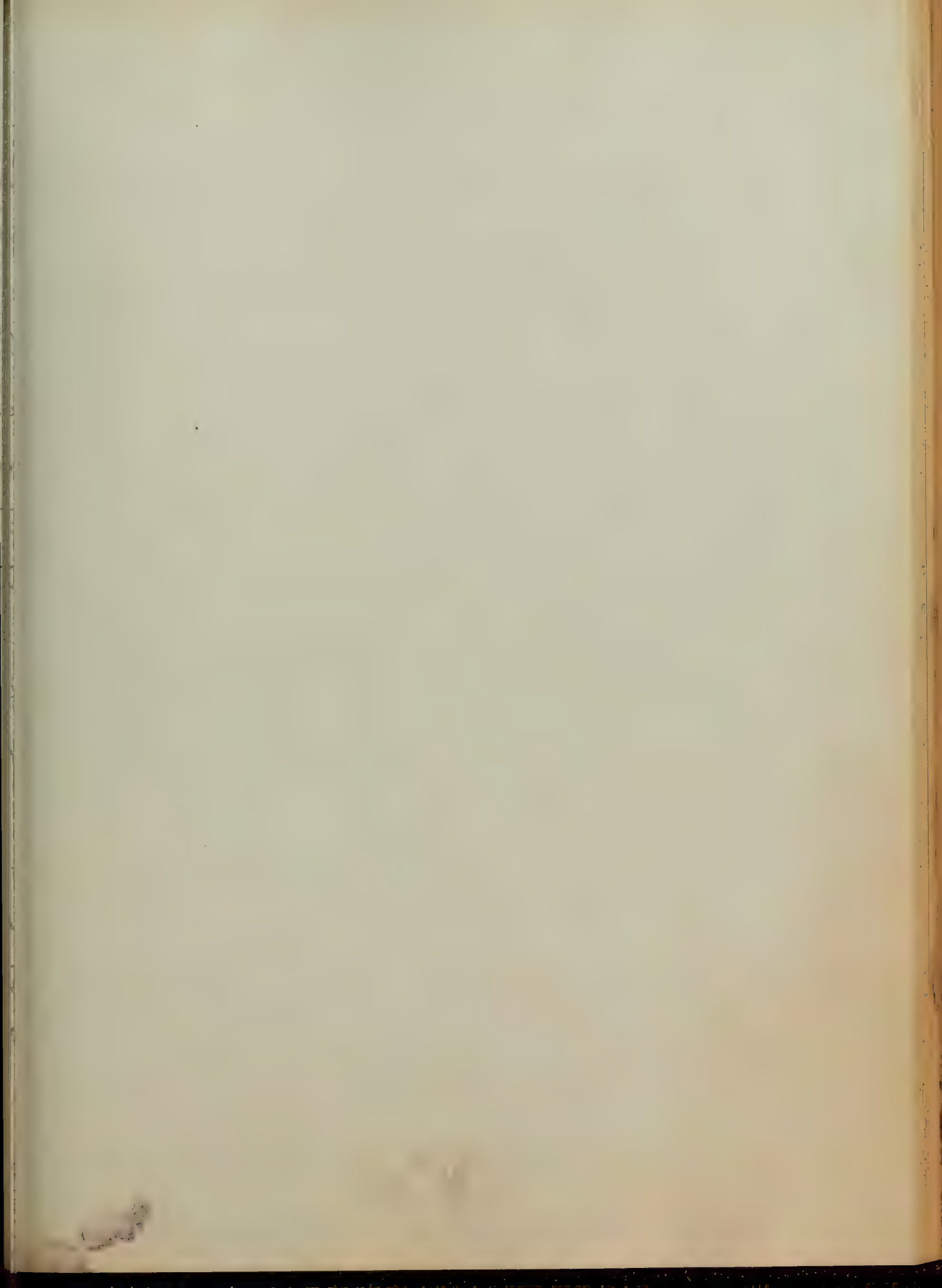
The Cough may produce con-
siderable pain of a tearing and
stinging character, in & about
the Sternum. Tongue may
become furred - Urine high
colored - with gastric symptoms.

The attending fever is not
always continuous, but, may
have a remission in the
early part of the day, with
marked exacerbation towards

evening, These Symptoms may dis-
 appear of themselves, within (24)
 or 48 hours from their onset,
 but usually it continues for
 a longer period with an in-
 crease in all the Symptoms,
 After the duration of three
 or four days expectoration may
 appear, and a tenacious, frothy,
 and gelatinous mucus is thrown
 out, by frequent & in some in-
 stances violent and paroxysmal
 attacks of coughing, The mat-
 ter expectorated may become
 changed in character, it may
 be streaked with blood from
 the bronchi or fauces; or
 it may lose its transparency

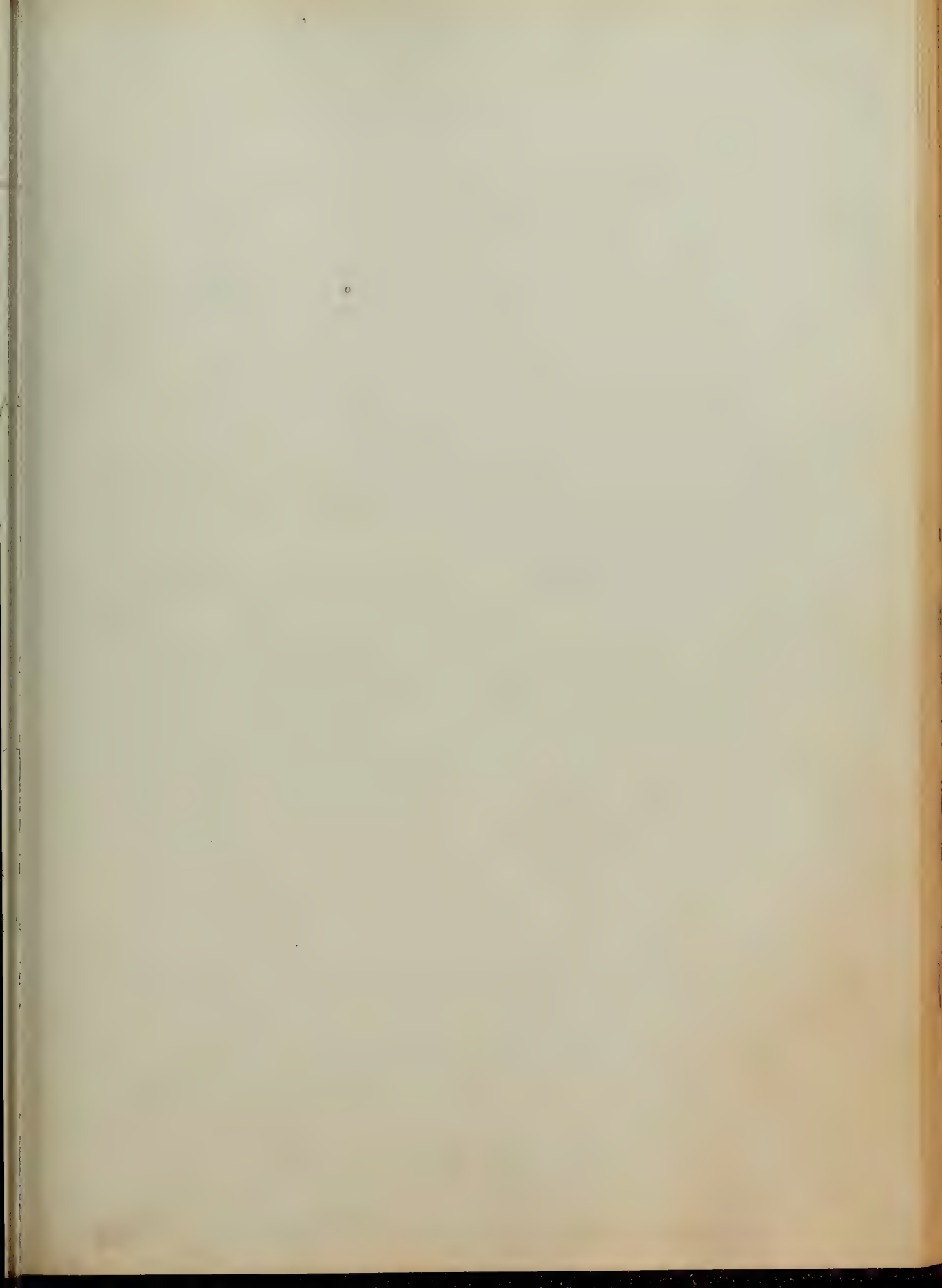


(4)
and become more of a pale and
of a whitish character, or
it may present a yellowish
or greenish appearance, when
the sputa thus become char-
-ged the accompanying symptoms
may be alleviated - and the
fever attending the cough in
its earlier stage may cease,
together with the paroxysmal
character of the cough. The
disease may give way to
pneumonia become easy, fever
abate - skin become moist, tongue
clear, and an increase in the
the urine. In some cases
the cough may continue
and the patient is liable



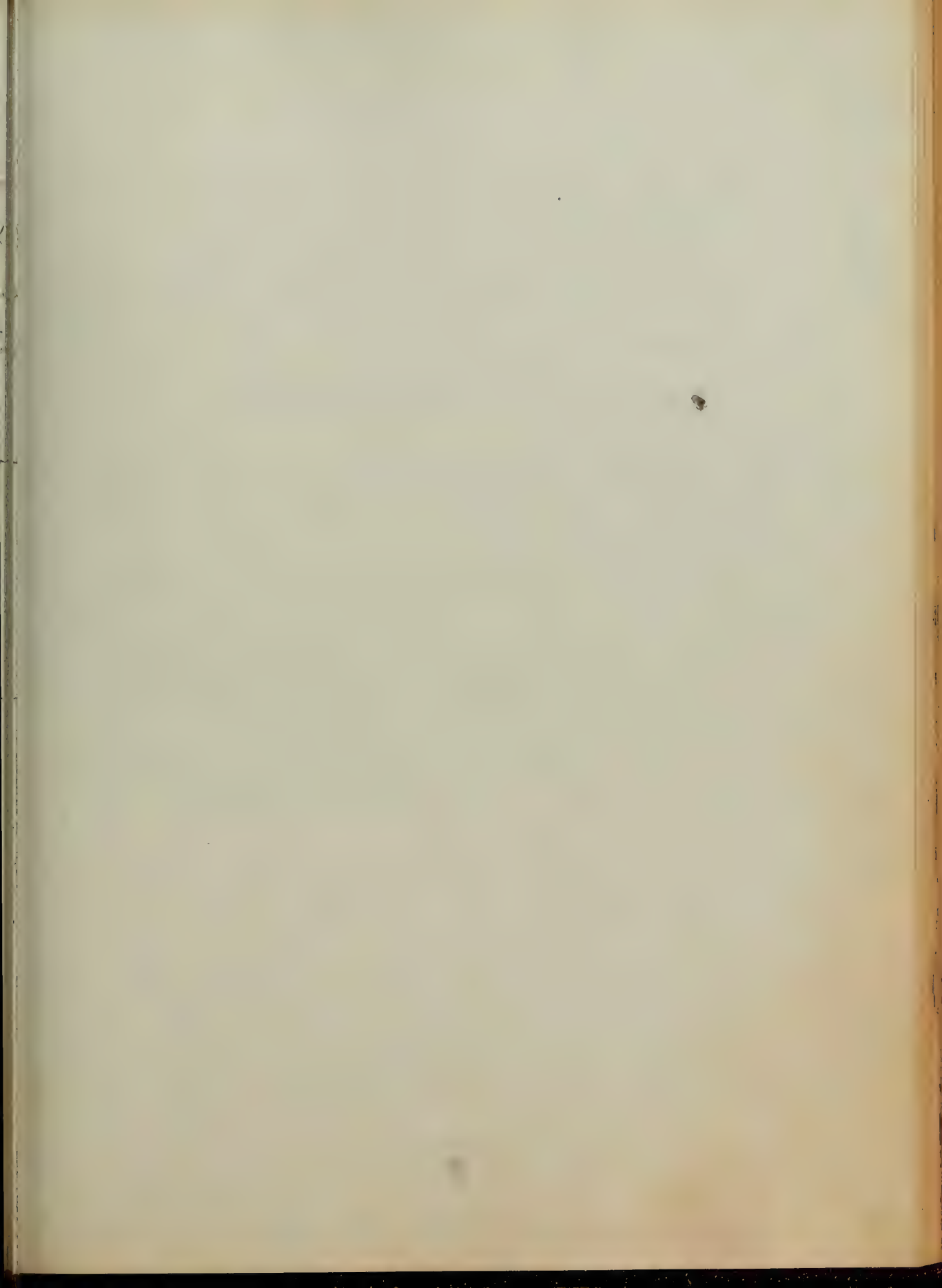
to a second attack from
the slightest exposure. The
general health may become
so prostrated from its effect
as to sink from exhaustion
unless it is supported by
appropriate measures.

Anatomical Characters: the
membrane lining the tubes
may become reddened and in-
flamed, and in some in-
stances softened - the redness
may be extensive and diffused
or it may be confined
to spots forming streaks and
patches; by the aid of the
Microscope the surface may
be seen to be deprived of



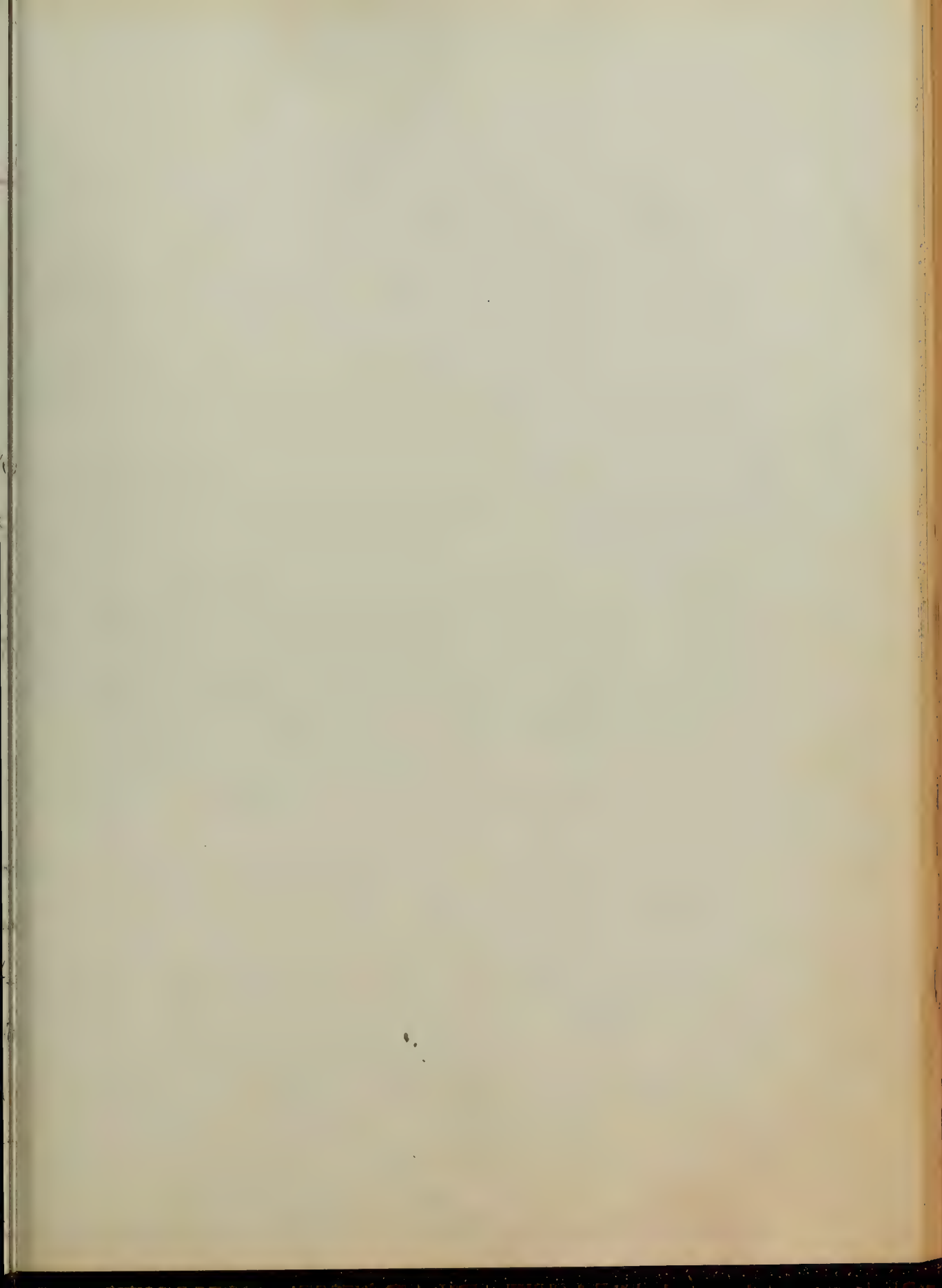
of its epithelium, and covered
with plasma exudation in place
of it. The tubes may contain
mucus, pus, and blood in
different stages. Inflammation &
relaxation of the tubes are
also seen, the exudation is
changed into matter which
prevents of either being ab-
sorbed or expectorated.

Physical Signs - The most
important are dullness on per-
cussion over the chest, or on
the posterior part of both
lungs, this may in some instances
be diminished especially where
the ramifications are involved
Constituting capillary bronchitis.



Under these circumstances it is hard to distinguish it from Pneumonia. In the first stage the dry and Sibilant rales are heard, it depends upon a diminution in calibre, or constriction of the tubes, also upon displacing thickening & exudation into them.

After the moist or mucous rales are heard intermingled with the dry, the vesicular murmur is in most instances heard but it may be absent, especially when the principal tubes are involved or where a plug of mucus interrupts the passage of air through



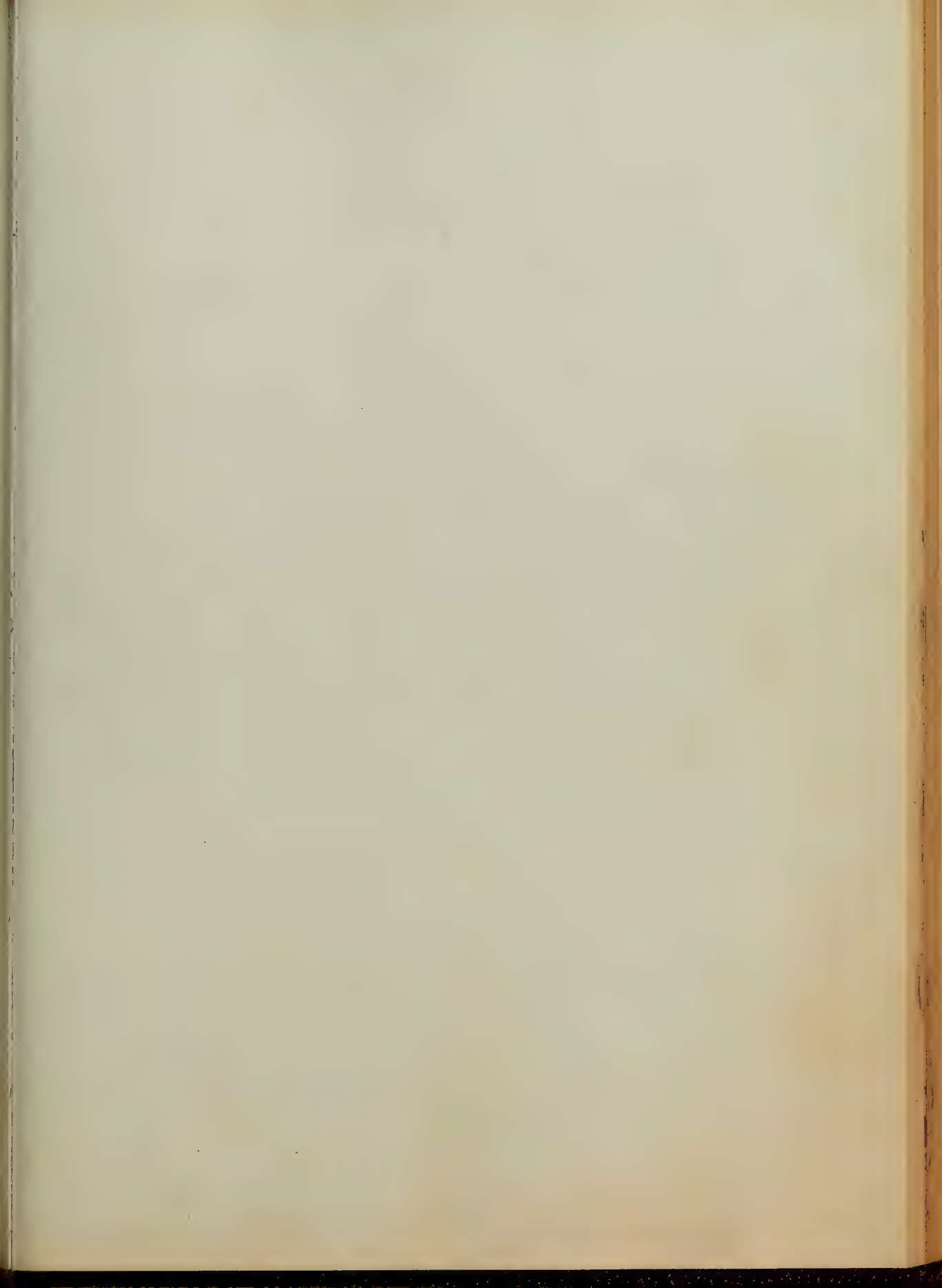
the bronchii. This may some-
 times be mistaken for con-
 solidation. but when such
 doubts exist, they can be dis-
 -sipated by resorting to percussion
 when the Sonority of the
 chest will be found not
 to have been diminished.
 Effusion may in some instanc-
 -es take place thus giving
 rise to more or less dull-
 -ness on percussion. The puerile
 rales may be present from the
 first, with a predominance
 of the dry, but when ex-
 -udation has taken place
 the moist rales are heard
 more distinctly.

Diagnosis. The disease may
be confounded with, Pleurisy
& ~~Pneumonia~~, from the former
it may be distinguished by
the absence of the sharp
localizing pains & of dullness
on percussion, & by absence
of accelerated breathing, from
Pneumonia by the absence
of the crepitant and sub-
crepitant rales characteristic
of that disease, also of the
dullness, we have not in
bronchitis the characteristic
brick dust sputa of Pneu-
monia - also by absence
of bronchial respiration &
quick respiration of Pneumonia,

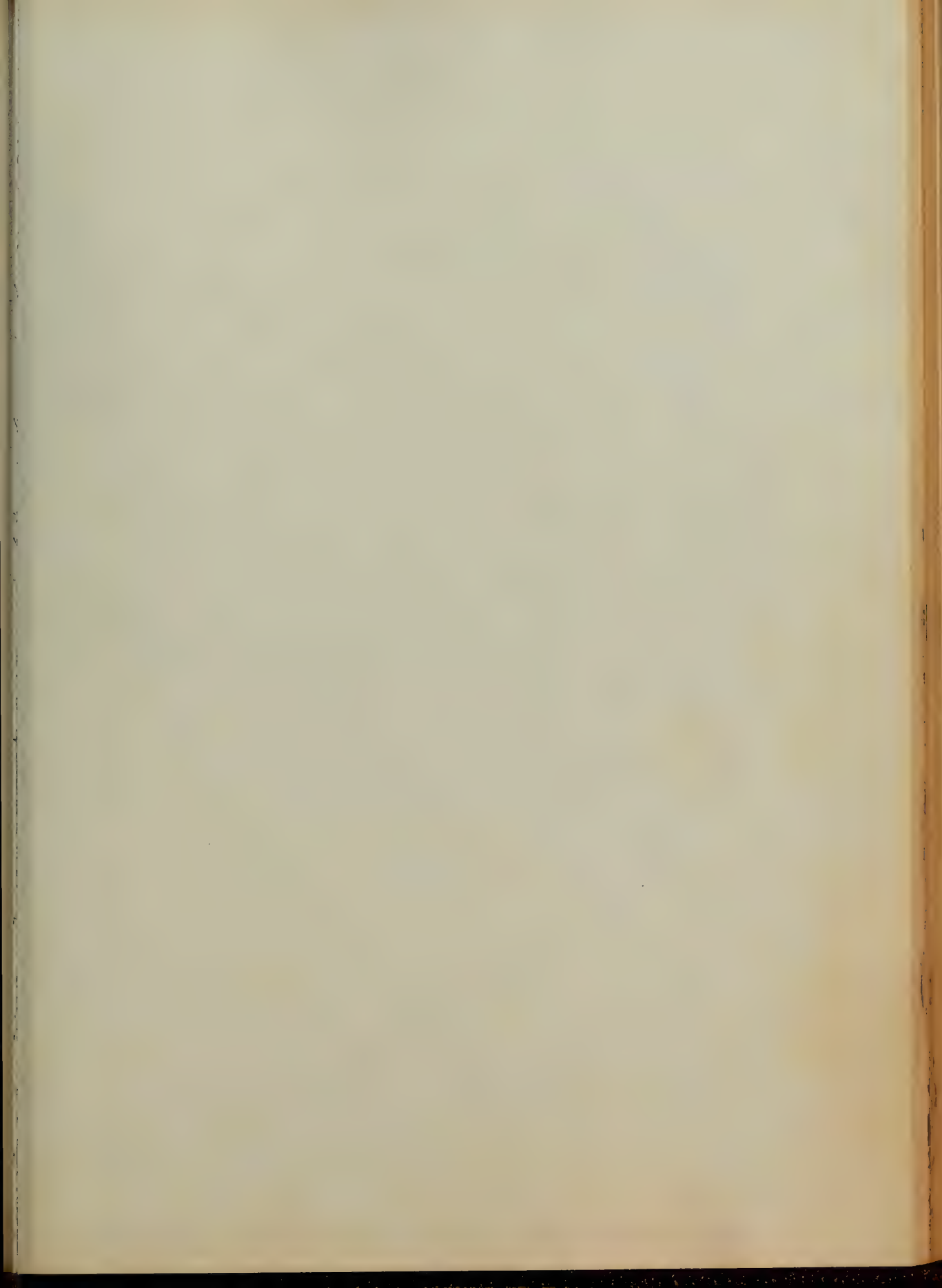
our chief reliance is placed
in inspiration & percussion,
and by skilful application
of these means, we will
be enabled to lay aside
doubts, & from those hidden
Caverns we may elicit
truths, which may not
only allay the fears and
anxiety of our patients, but
~~be~~ by correct discrimination
& judgement, may lay the
foundation for our future
success as medical prac-
titioners, Perhaps I am laying
unnecessary stress upon what
is not a violent malady, but
in attendance often have you

tell us that it is by "pay-
-ing attention to little things"
that makes the most suc-
cessful "Medical Man."

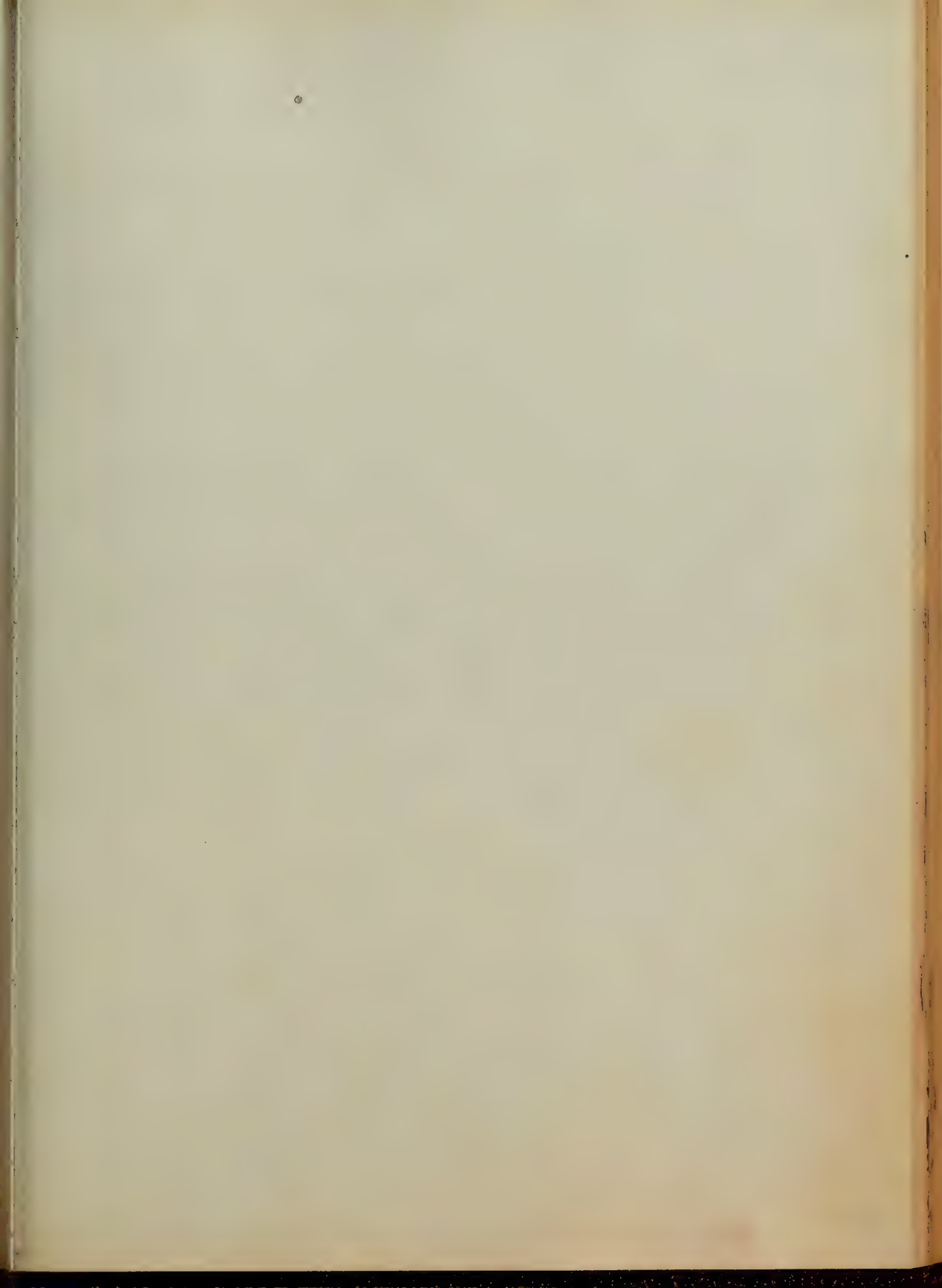
Chronic Bronchitis may occur
in a simple or severe and
more aggravated form, there may
be a slight cough with slight
mucus expectoration, which
may exist for a considerable
time; but will gradually
subside - During the summer
months the patient may
have a remission, which
will generally recur again
again in winter, the cough
may be so severe as to
affect the solicitude of



of the patient - In the same
 severe forms the Sputa may
 be of a yellowish or greenish
 color, is tenacious & occasionally
 tinged with blood, in the
 morning the cough is generally
 more severe, Dyspnea is oc-
 casioned by least exertion
 In some cases night sweats
 inaccatone - & in its most
 violent form may closely
 resemble "Typhoid" & unless
 patient is relieved by proper
 treatment ^{of the vital forces} of the vital forces
 will take place, which will
 eventually cause death especi-
 ally where the patient is already in
 a debilitated & depressed state of health.

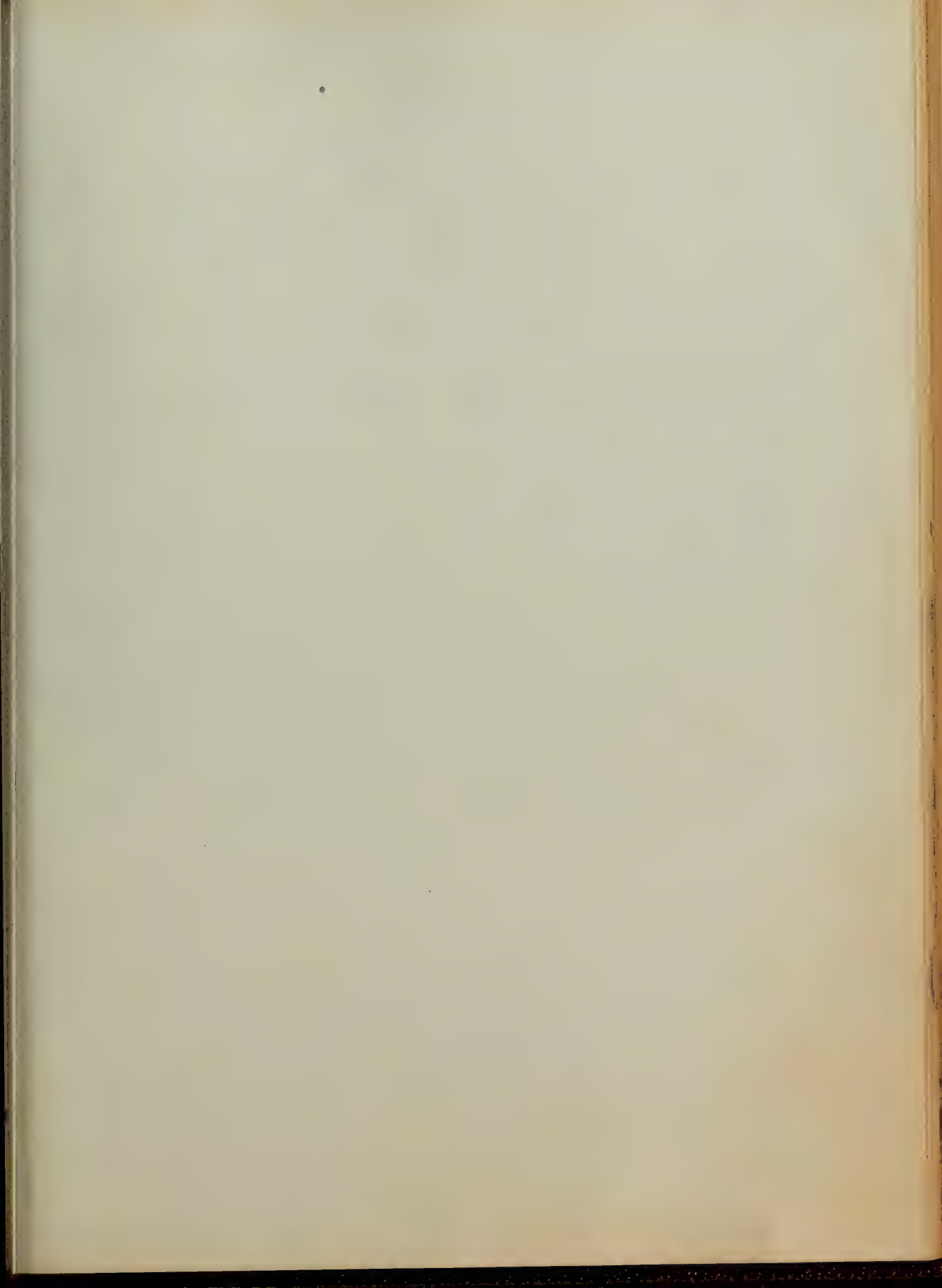


Physical Signs - Signs - Signs with
Silent - signs are heard in
different parts of the chest.
It is only by the physical
Signs that we are enabled
to distinguish it from "Typhoid"
but when the Signs indicative
of a cavity are wanting
and when there is Copious
sputum of peculiar it is
very apt to be bronchitis.
The bronchial tubes may
be enlarged & contain pus
thus leading to some diffi-
culty in diagnosis.
Anatomical Signs -
The lining mucous mem-
brane is thickened and



14
indurated. Softening of the
tissue is seldom found. In
some cases it is of a deep
red, and sometimes of a
greyish or whitish hue, and
generally lined with mucus
or pus. The bronchial glands
are enlarged and softened.
The tubes are sometimes
found to be dilated both
the large and small ones
but the enlargement is gen-
erally local, Constriction of
the tubes are almost al-
ways found from thickening.
Emphysema of lung is al-
most always found in fa-
tal cases of chronic bronchitis.

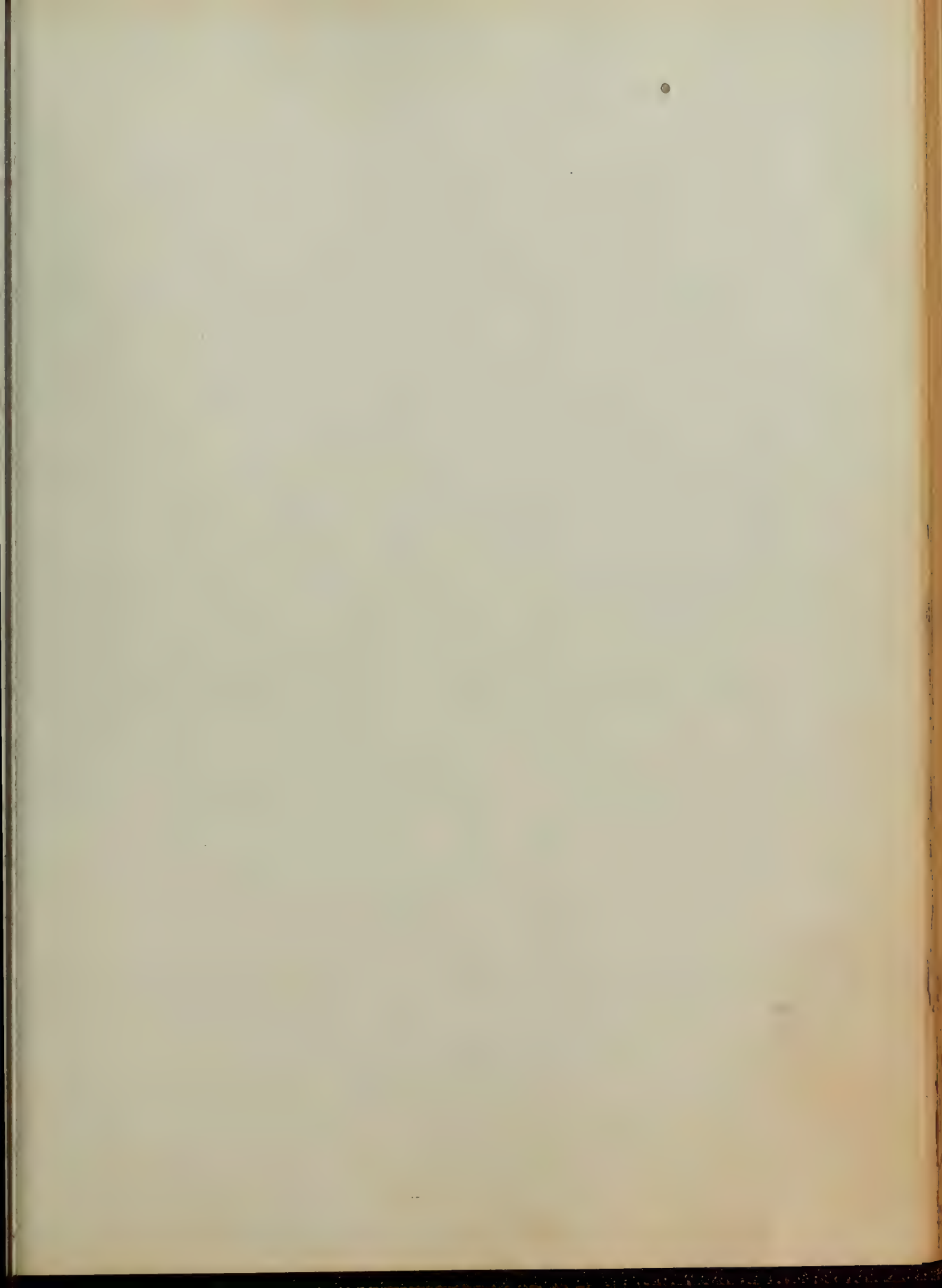
Cause - The Doubtfully Cold
is the most frequent cause
of bronchitis, especially when
the patient subjects them-
selves to a sudden draught
of wind after becoming
overheated by violent ex-
ercise, or from sudden change
from a warm to a cold
room. The frequent alter-
nation of temperature char-
acteristic of temperate cli-
-mates, it most frequently
occurs during the winter
and spring, it may
occur in the summer.
Other causes are peculiar
inhalation of an acid



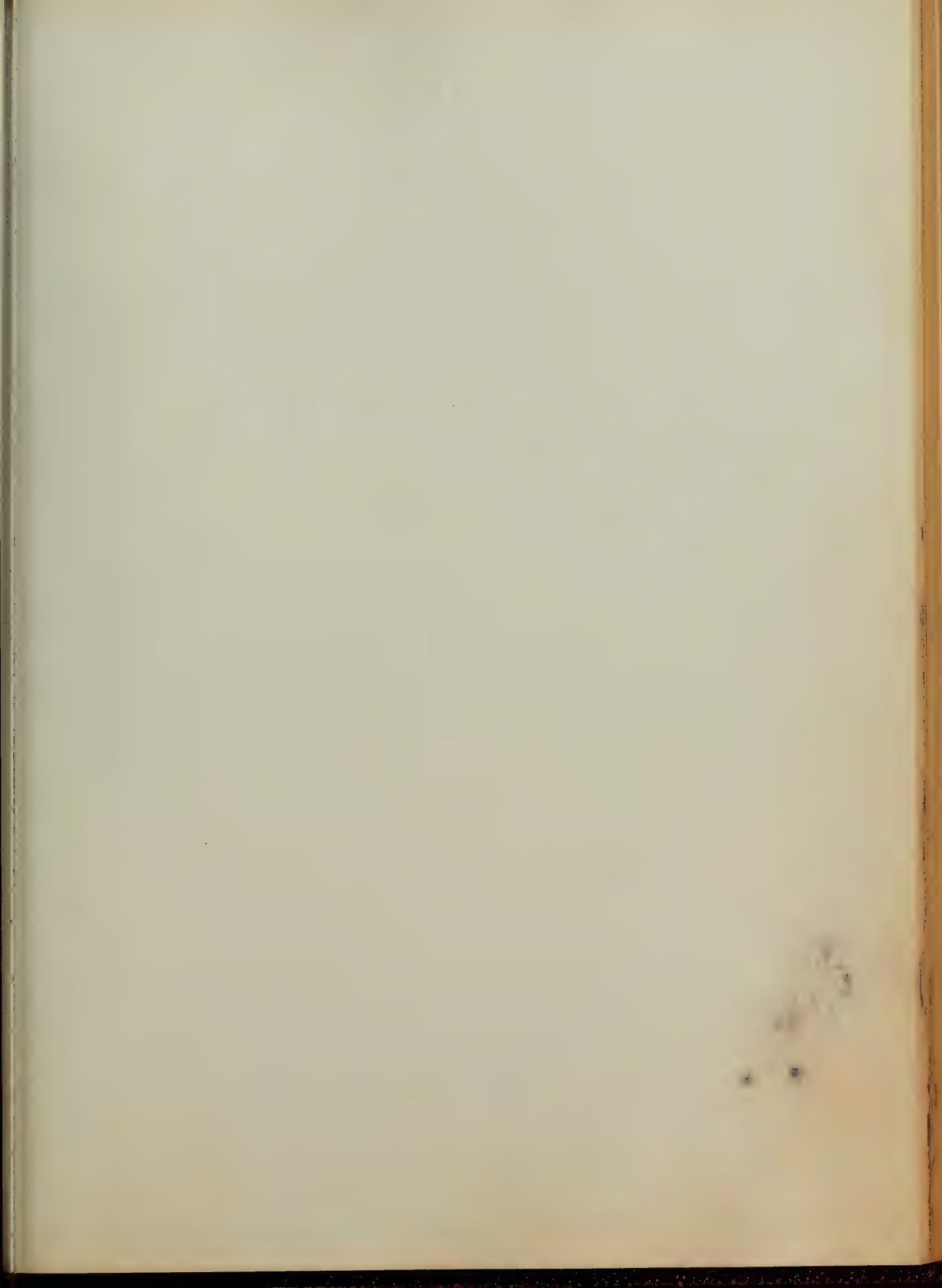
or irritating character, &
Sometimes occurs periodically,
also coincident with other
diseases as Scarlatina, Measles,
Scarlet fever, Syphilis, &c.
&c &c: — — —

Prognosis of Bronchitis:

The acute stage is seldom
fatal except when it occurs
in old persons and is
complicated by previous disease
who have not sufficient strength
to throw off the accumula-
-tion in the bronchial tubes.
and very often sudden
deaths will occur from
this cause, where the inflama-
-tion is attended with a



Frequent pulse, high fever
and great dyspnoea, and
especially when this occurs
in the younger or older
classes, it is dangerous, the
danger arising from the nervous
shock to the system, and
from the interference of due
access of air to the lungs,
thus giving rise to imper-
fect oxidation of the blood.
The blood thus supplying
the different functions being
impaired, the vital func-
tion give way & the patient
may die in coma, delirium,
or convulsions, the disease
in its worst form



is a dangerous affection
but it may be prolonged
for a great many years.
It generally produces debility,
and this may cause death,
or the patient may die
from a suppurative of heart
disease, of which bronchitis
is an accompaniment, or they may
die from an attack of
spasmodic asthma: —

Treatment of acute form:

In the mildest cases, let
the an no treatment is
indicated, but may be
continued to his some 2 or
three days, so as to prevent
aggravation, & continuance of the disease.

100

in the early stage of the acute form, where the patient is plethoric, and where the pulse is high with more or less congestion of the respiratory organs. Blood may be taken by cups and leeches, depletion by Saline Cathartics and reduced diet. Scarification may be induced, to relieve the inflamed membrane and for this purpose small doses of Iodine & Turp. internally may be ^{given}. Emulgent drinks may be given. if there is much fever with the other symptoms the patient might take a warm bath or Sedularia, and

and immediately wrap up
 warm, he may take the
 Neutral Nitre or *Acetate*
 Ammonia every two or three
 hours, or what may be still
 better where there is consid-
 erable fever they may take
 a Nitrous ^{powder} every three or four
 hours until the febrile symp-
 toms have somewhat abated.
 These remedies should be used
 in first stage before secretion
 of mucus has taken place,
 and done in an apartment,
 a very beneficial, the fumes
 of turp or of Turp put in
 water & boiled so as to
 allow the fumes to escape.

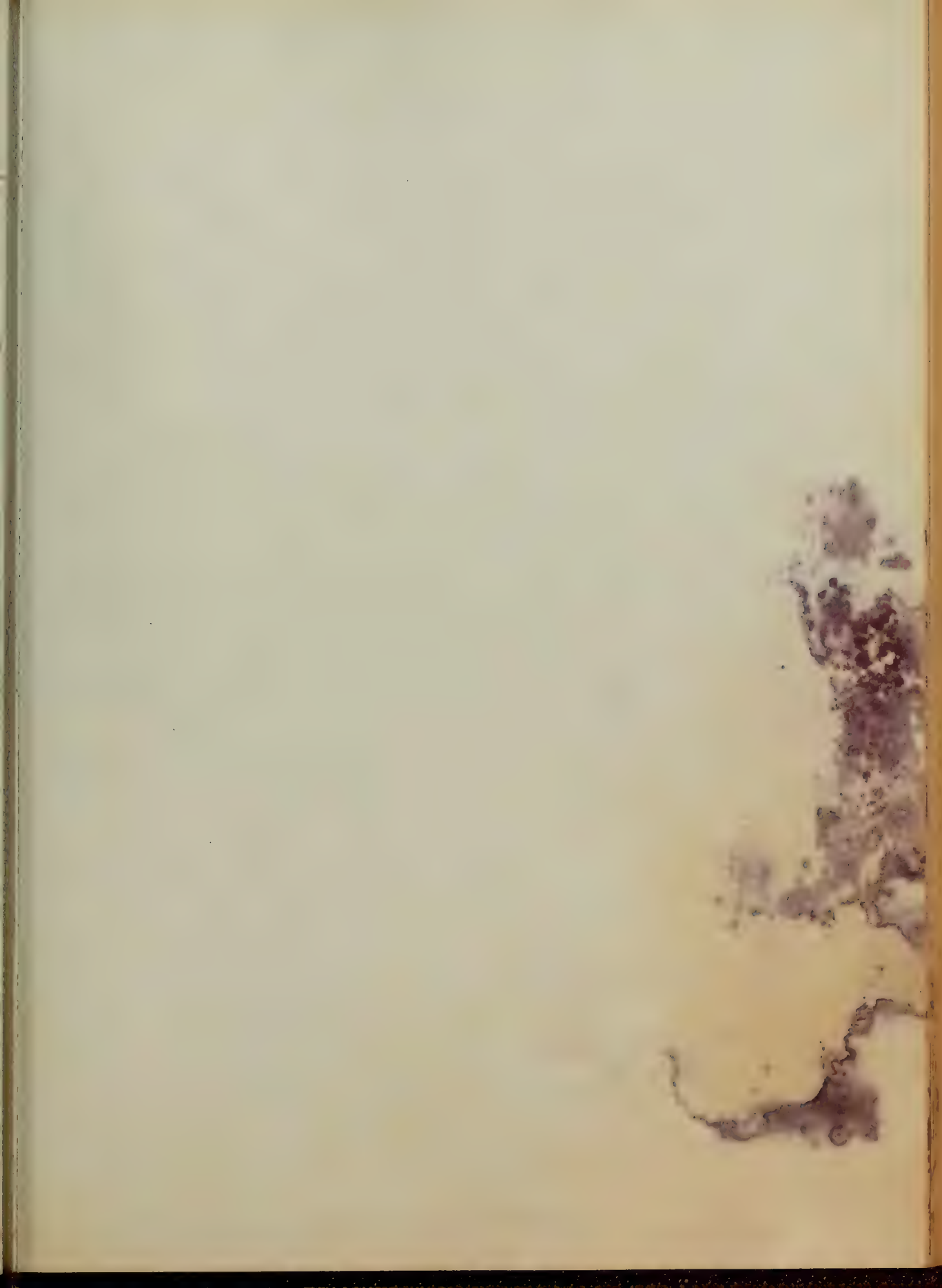
Opium is only useful in the
second stage when the cough
is out of proportion to the
expectoration, to allay irrita-
tion cough one of the best
remedies is Opium either in
the form of "Seven powders"
or Sulph. Morphia, Inhalation
of water spray &c. Emulsion
to breast, leucorrhoea, in capil-
lary bronchitis of children
blood letting and punctures
should be used. Tonics
are required when the dis-
ease ceases & has a ten-
dency to break down the
system, also good diet
and warm flannel clothing.



Some of the best remedies
 that ever effected
 are Squills or Seneka, where
 the cough is violent accompa-
 -nied with restlessness and
 loss of sleep, some of the
 best remedies, here Opium
 Hydrocyanic acid, Hyocyanus
 a very good cough medicine
 given by me, my learned
 professors, is as follows:-

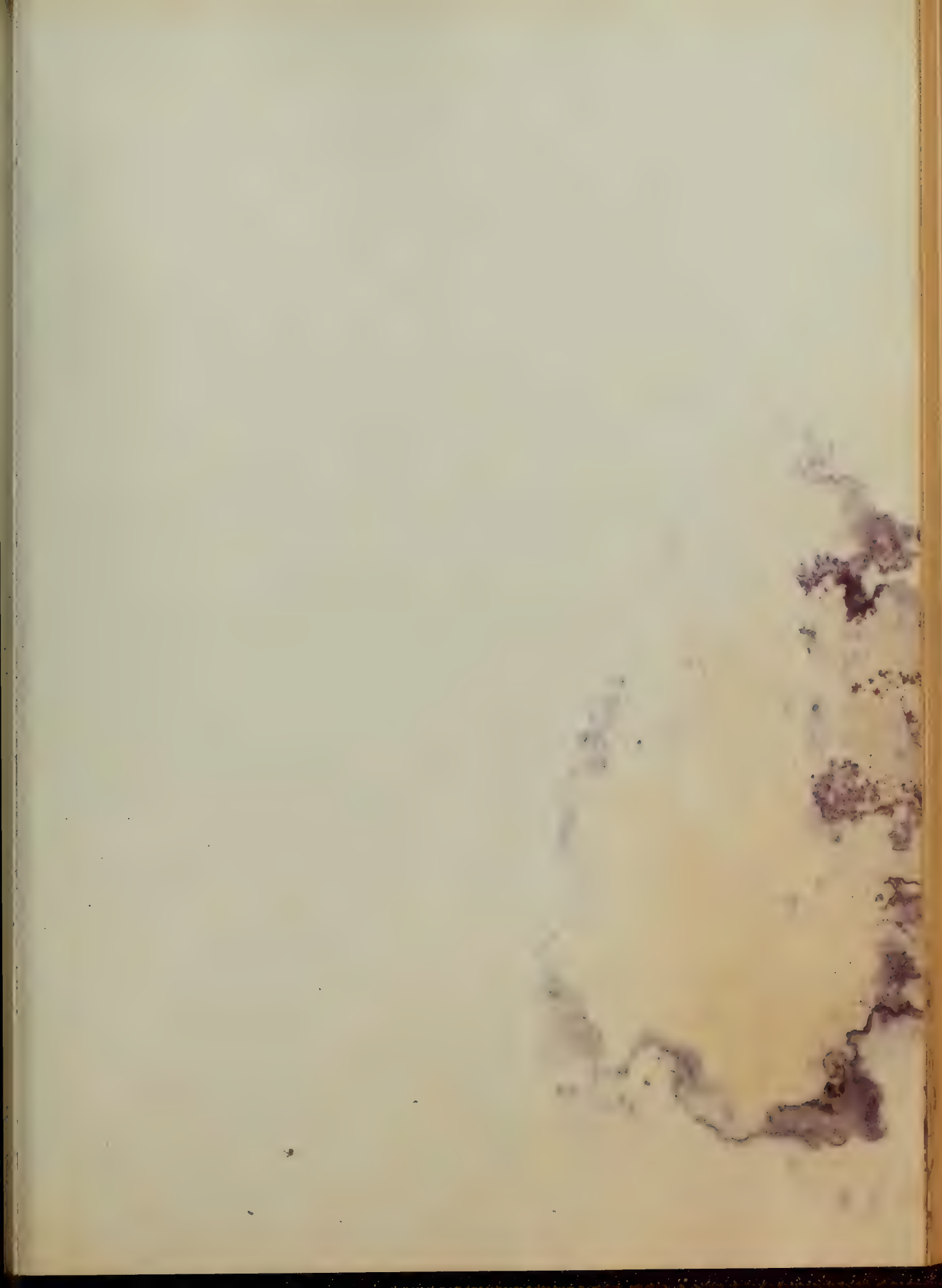
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Collo. Potas	℥iiss
Syr. Pina. Virg.	℥ij
Syr. Scillae	℥ij
Emph. Simp'l.	ʒij
Acid. Hydrocyanic	ʒss
℞ in Si ter Sic.	



In treatment of Chronic
Cough, Expectorants are the
chief agents, such as species
Squilla Louisa &c. &c.

When there is tightness
of breast with want of
bronchial secretion, you
may give some of the
antispasmodics, Belladonna
Hydrocyanic acid, Conium-
Camphor is also found
to be useful, the Consti-
tution should not be
allowed to suffer, but
should be fortified by
simple food diet &c. &c.
Cod liver oil has been high-
ly recommended, as it-



will allay cough, promote
 expectoration, and act as
 a nutrient and tonic to
 the whole system.
 Frictions to the chest are
 sometimes useful with lin-
 -iments, the patient may wear
 a plaster over the chest
 as Burgundy pitch &c, which
 will in a manner protect
 the chest from cold and
 also act as a mild irritant.
 Tonics may be used, as Iron
 Quina, and Ruf Wild cherry
 bark is a very soothing agent
 in irritating coughs. — —
 Iron coating with flannel to skin
 is highly beneficial.

1875

A.

As a result of the

on

Intermittent

Successes to the extent

of the

Part of the

at the

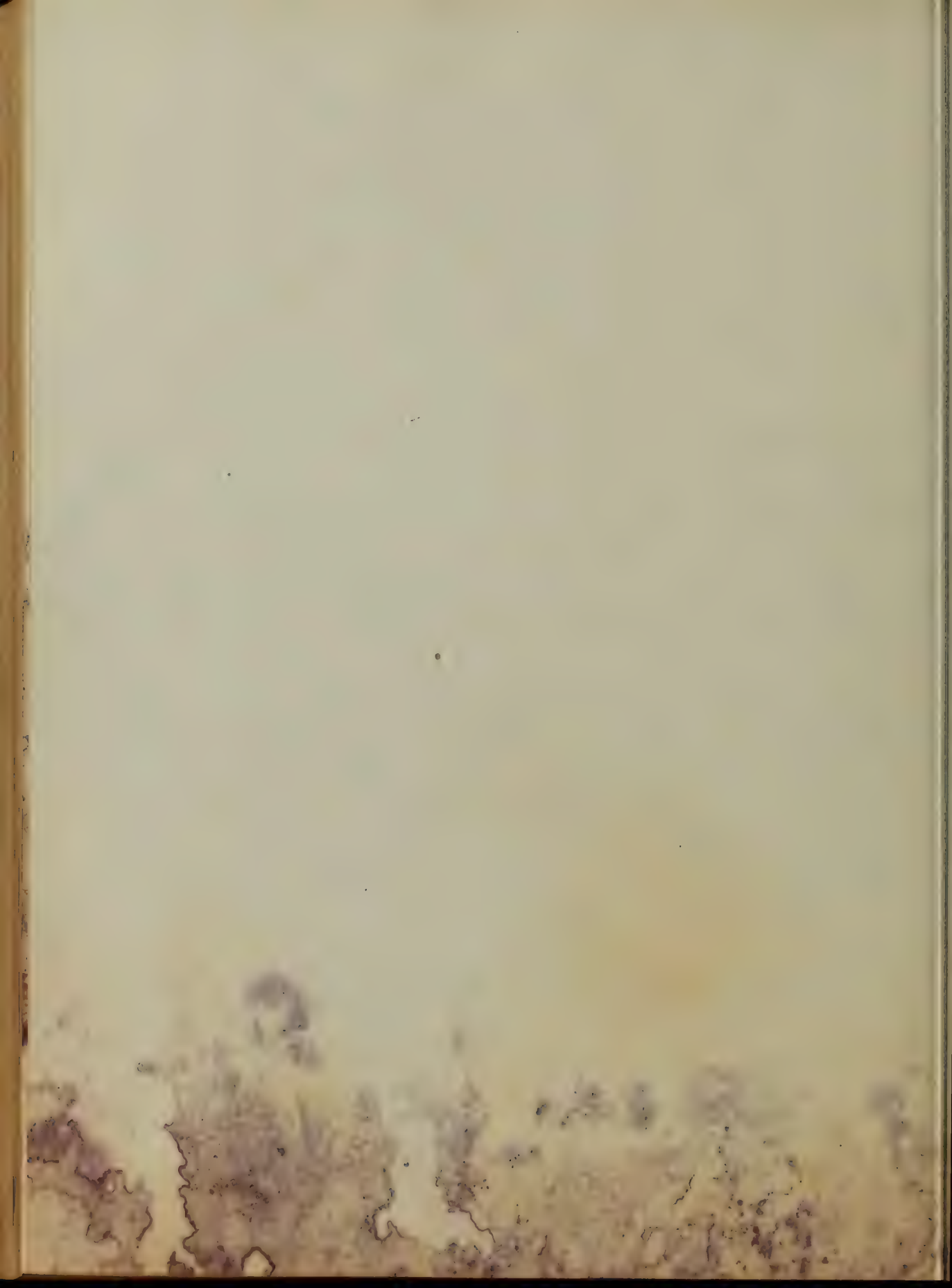
It is a

for the

Sign of

by

William C. C.

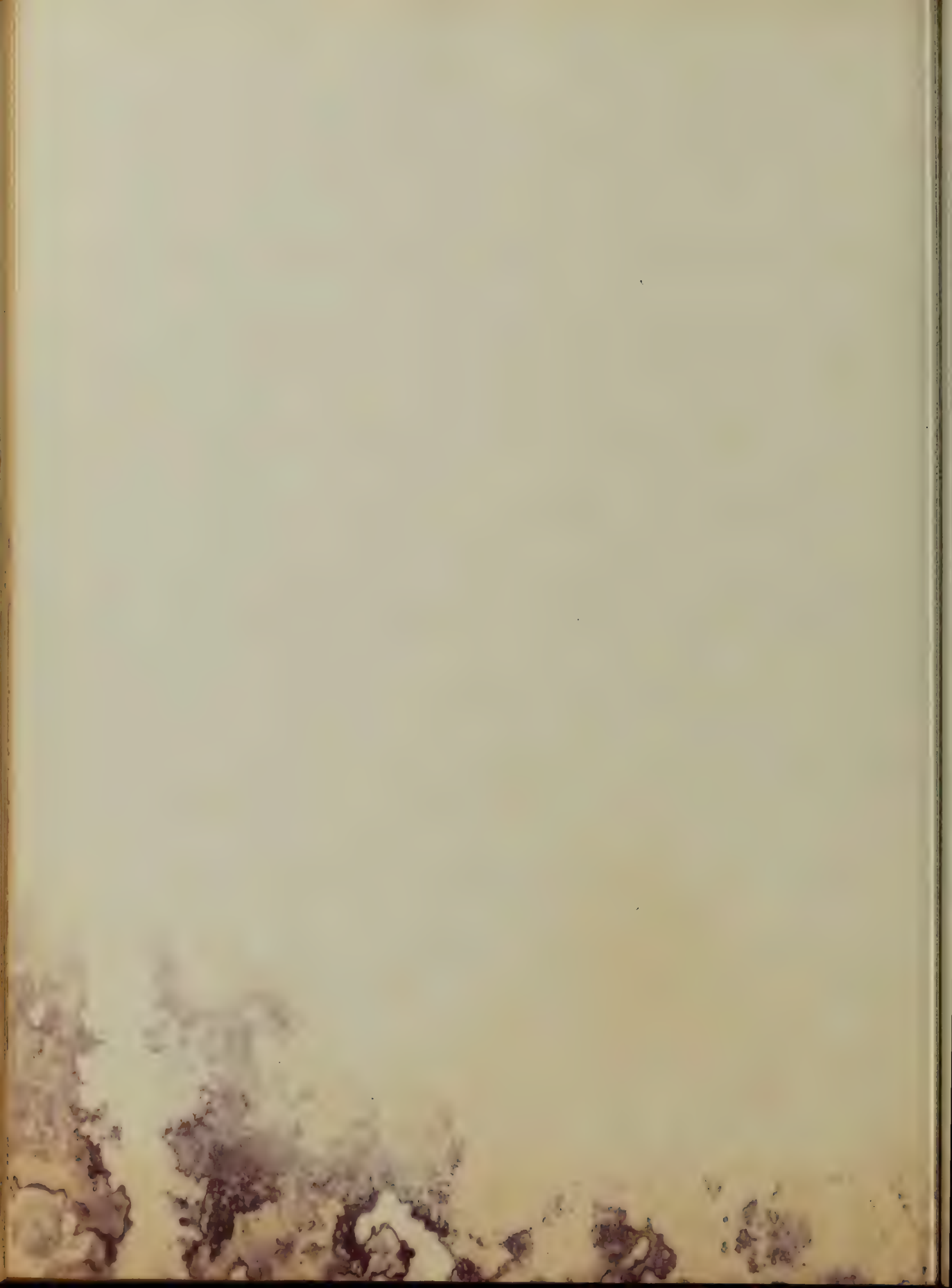


It is a disease consisting of
paroxysms with a
state of apyrexia in the
intervals. The disease is
known as fever and ague,
chill fever, the shivers and
brymanis expressive of the
locality in which it is
produced as in the S. S.
States. Water and Quinine.

The liver and spleen become
enlarged, the spleen more so.
And there is fermentation in the
blood as do the symptoms of
Asiatic cholera.



200 known cases, which
are characteristic of the
fever. The onset is usually
very sudden with a chill, &
sometimes the chill comes
on gradually. The patient
begins to feel badly for
one or two days, with dull,
aching pains in the head
and limbs and also yawning,
with a gradual increase
to a high and constant
fever. The patient is usually
thirsty and has a dry
tongue. The cold, the chill and the



Sweating stage. The only
stage can be with
a creeping sensation of
chilliness extending all
over the back and limbs.
The chill is more or less
intermittent. During the stage
frequently the teeth chatter
and the movements of the
body and limbs sometimes
are sufficient to shake the
bed in which the patient
lies. During the stage
the patient frequently shivers.
The pulse which is usually
accelerated is small and





the process of the
phase of a ...
narrow ...
stability ...
abandon ...
to come in the ...
Congestive of the ...
organ ...
a ... of the ...
drawing ...
cold stage, because ...
of blood is ...
First stage is characterized by
more ...
and ...



and still at
the same time, the
is the same as the
for the first day
and the same as
usually to 105 to 100° F.

There is great thirst but, some
times stupor and even coma
occurs. The face is
the same as in a
high fever, the pupils are
generally contracted, the
casts. pain there to right to
and then in the
stage. Sweating stage
Respiration appears

patient appears to have no
symptoms of the disease
than having a slight or
pleasant taste in his mouth
and soon discontinued.

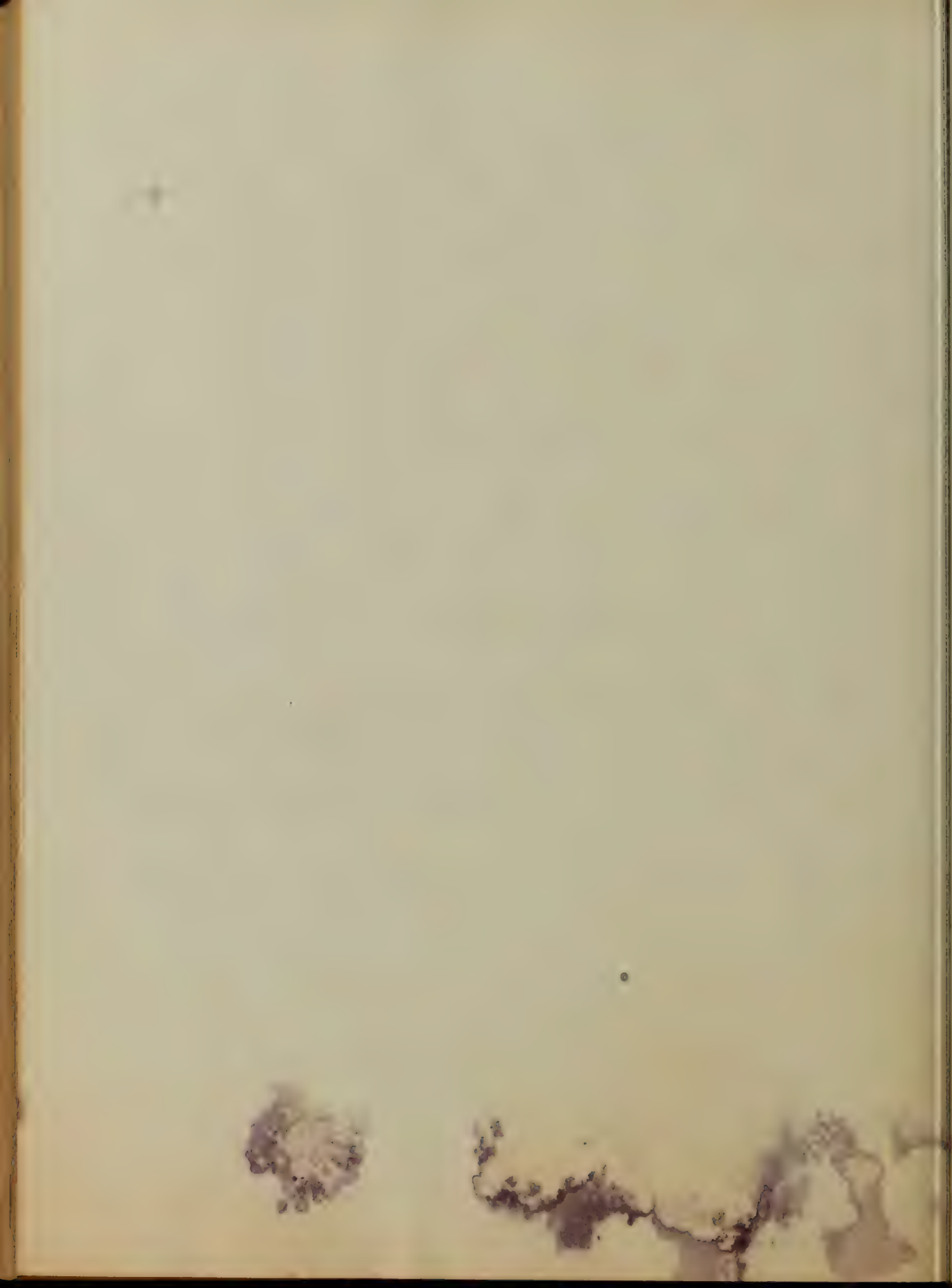
Intermission is the space of
time between the two paroxysms.

There are three types of simple
intermittent fever viz: the quotidian,
tertian, and quartan type.

The paroxysm occurs in the
intermittent fever type.

In the tertian type the paroxysm
comes on about every forty
eight hours or occurs on the

third day.



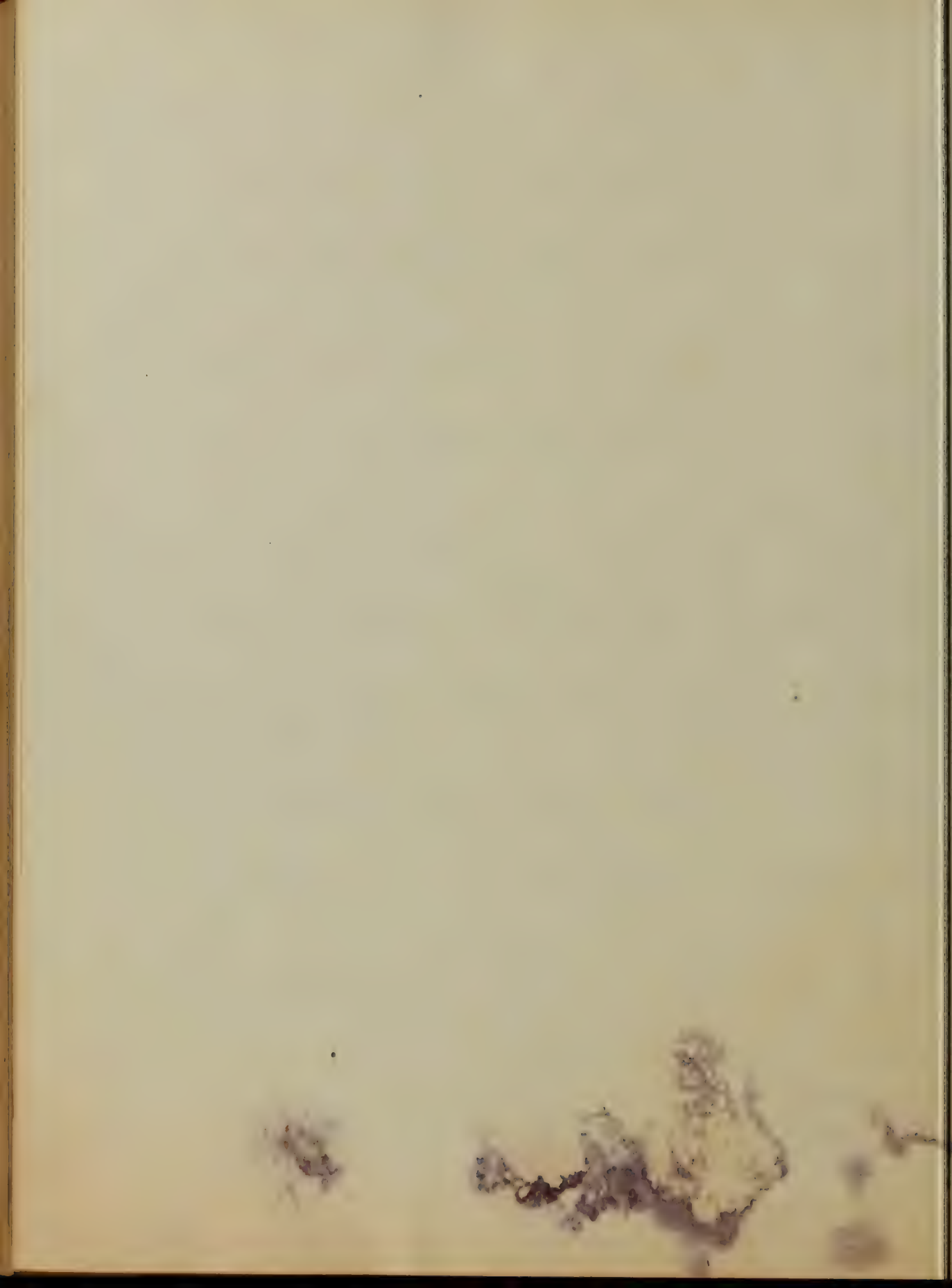
the first day. Of the three
types the quantum of
the secretion
during the interval is
a great difference in diffe-
rent cases. Some persons are
free ailments than others.

The appetite and digestion are
good in some, while in the
other hands, the appetite and
digestion are very much
impaired in others with
marked prostration. In
the spleen is enlarged, so that
it can be felt. The



is often to be interrupted
and the face is pale when
the disease has lasted for
time. The duration of the
disease is considerably longer
in some than in others.
Sometimes it ends spontaneously
in a few days, but many cases last
for weeks or even months
unless arrested by some means.
There is considerable contrast
between intermittent and
continued fevers in regard
to the duration.

The duration of fevers is

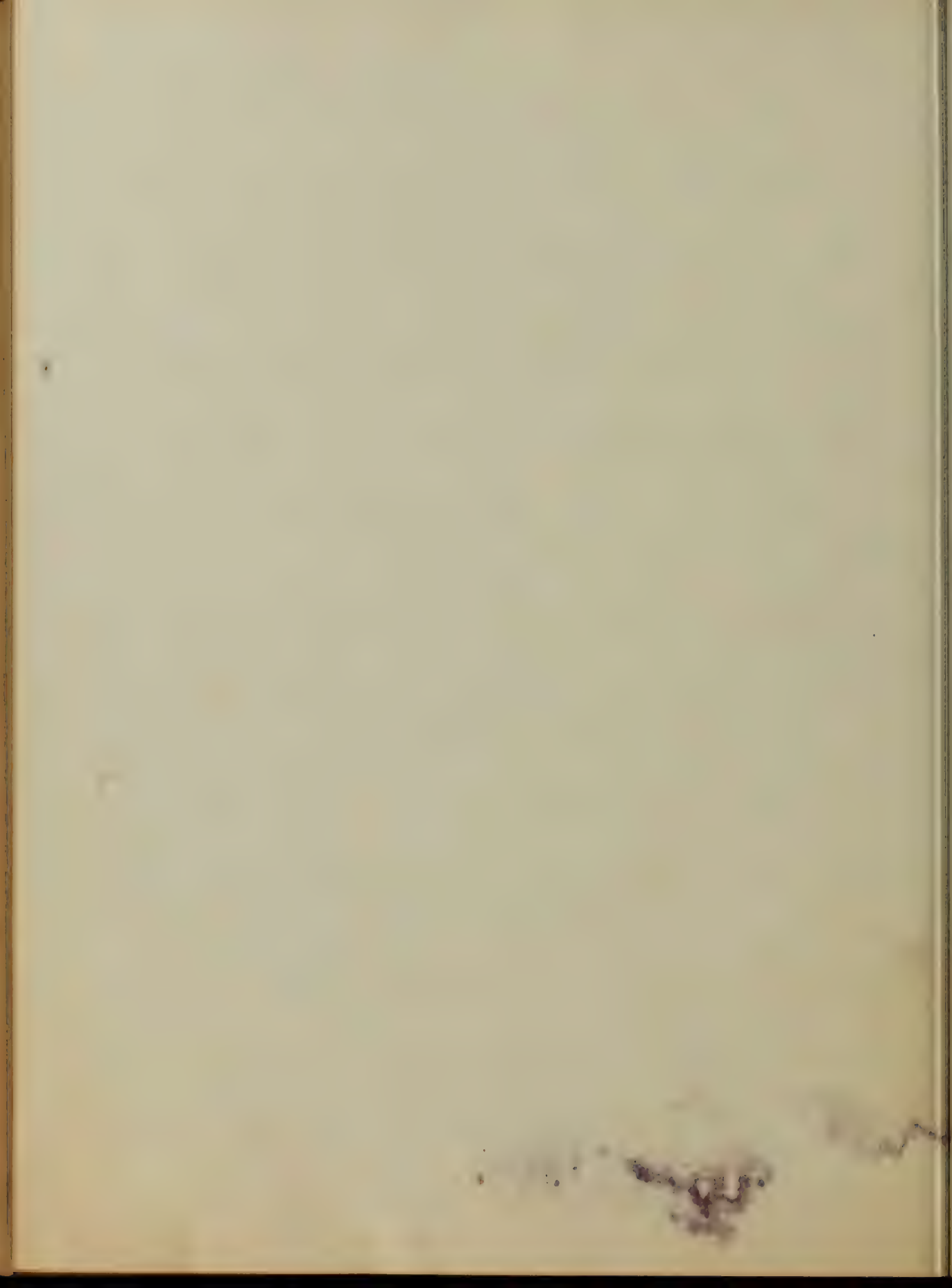


the course while the patient
is, and the nature of a
relapse is more intermittent
than continued fever. Case.

The same as of remittent.
May arise from a miasm or
any malarious poison. Heat
and moisture, are generally
necessary for the development,
but sometimes it occurs in
winter even in cold weather
but the chills occur in spring
and fall mostly. The miasm
which comes from the
poison that



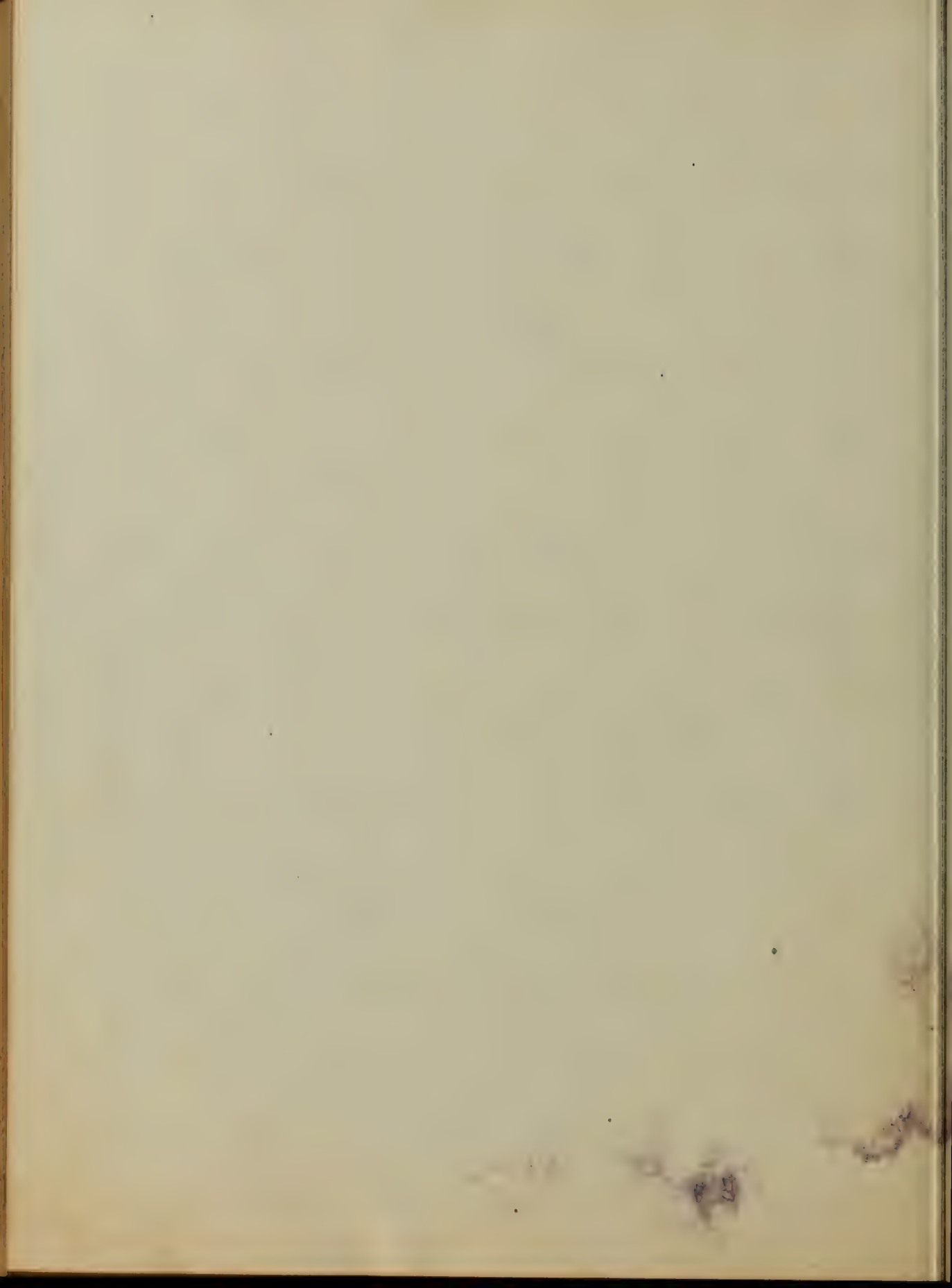
is true for the the and
and swamps, and only can
it, but sometimes it
its appearance in person
that can not account for the
cause unless it is
taken in the
during some
spring and in the day
in the morning and at
night which may affect
being the cause in
remote periods. All ages are
liable to become affected
and in different localities,



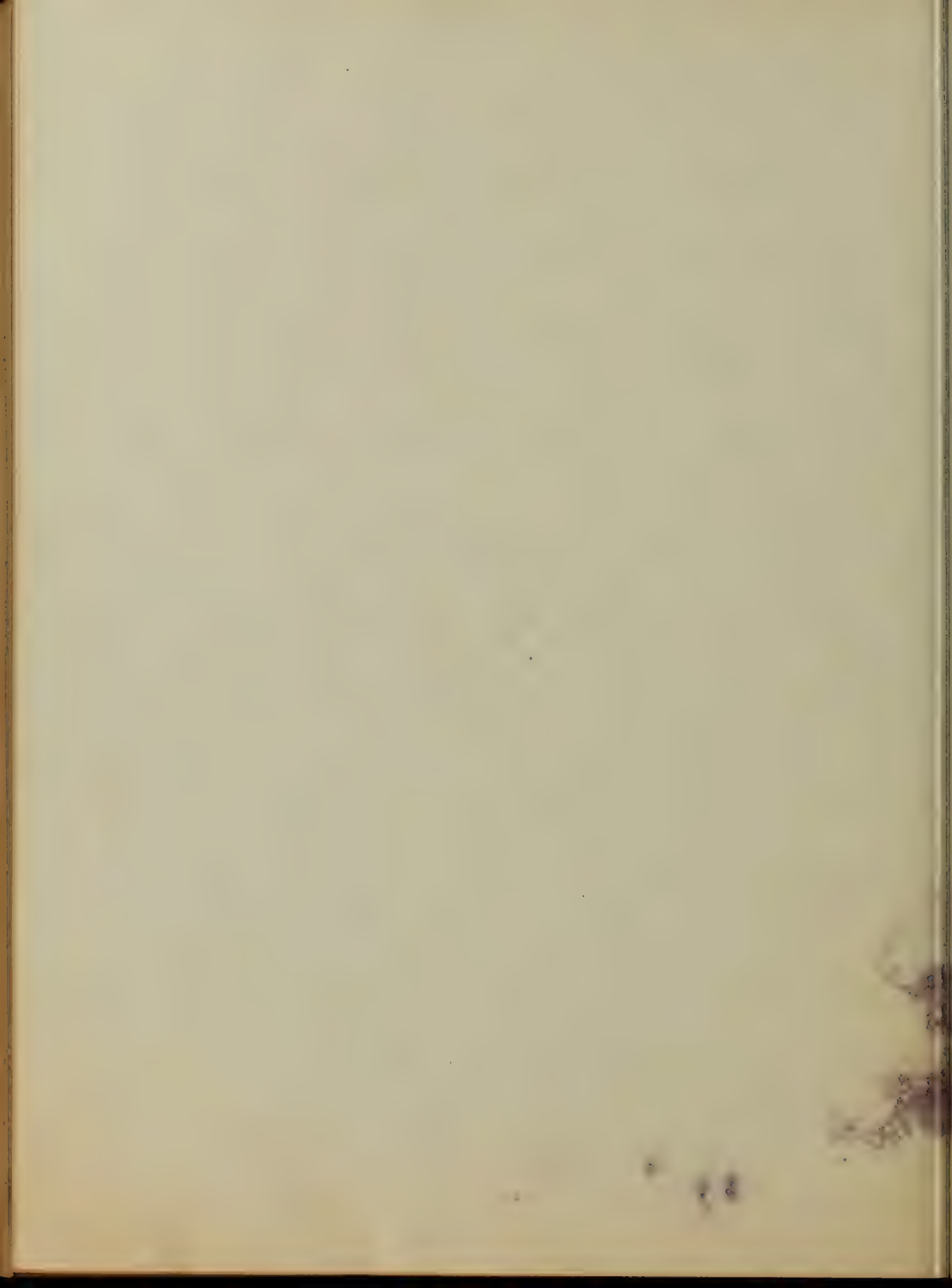
but the disease is much faster
in case of the mother's milk
and the offspring takes a
side-swell in the throat
at the breast. The first
then the diet is not to be
promoted that is more int
mitted from the mother's
disease.

Diagnosis

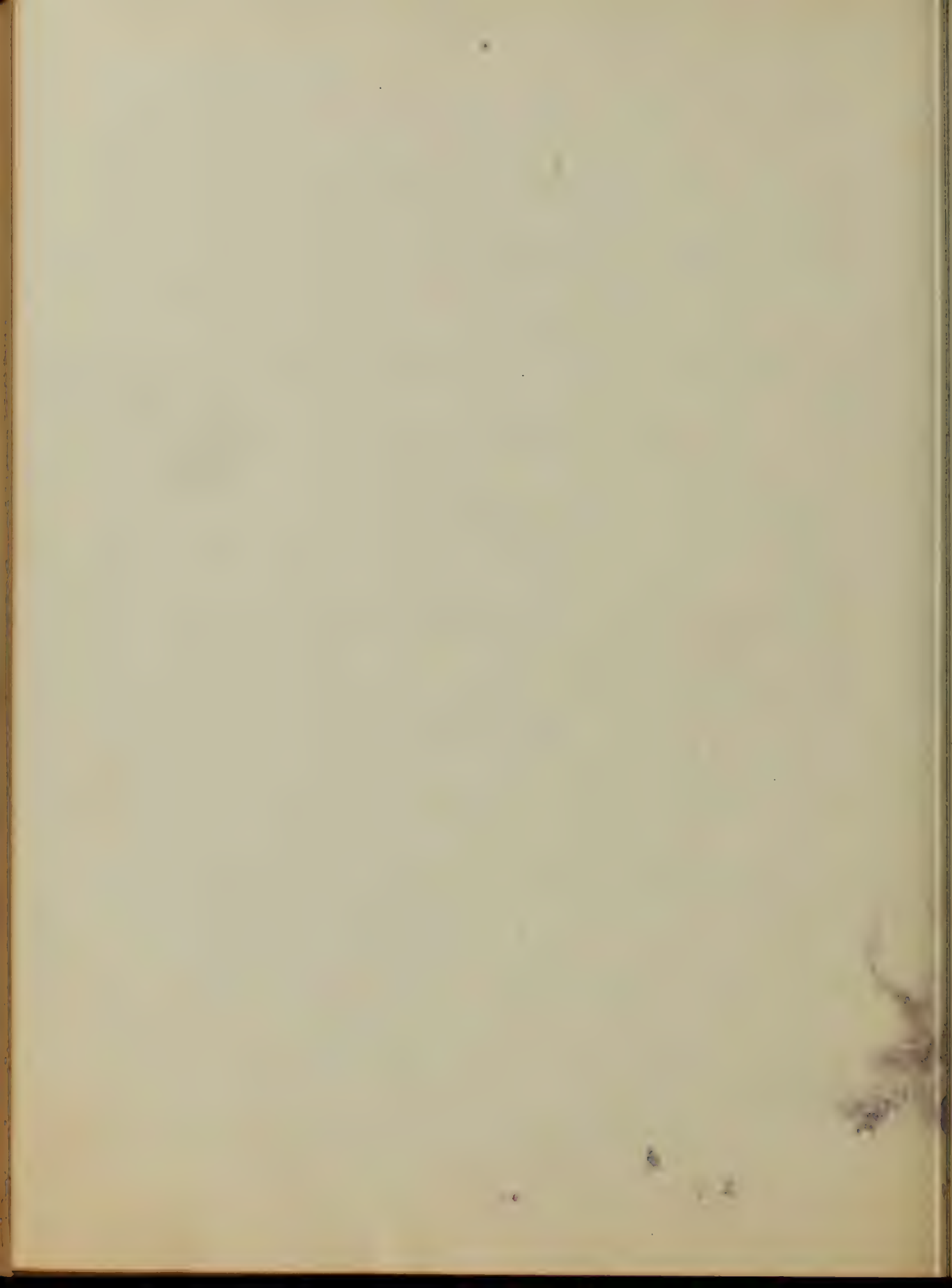
The diagnosis is very easy
and can be made of
the case. The patient will
be young, but is more likely
to be seen, but it is possible
and is a stomach etc

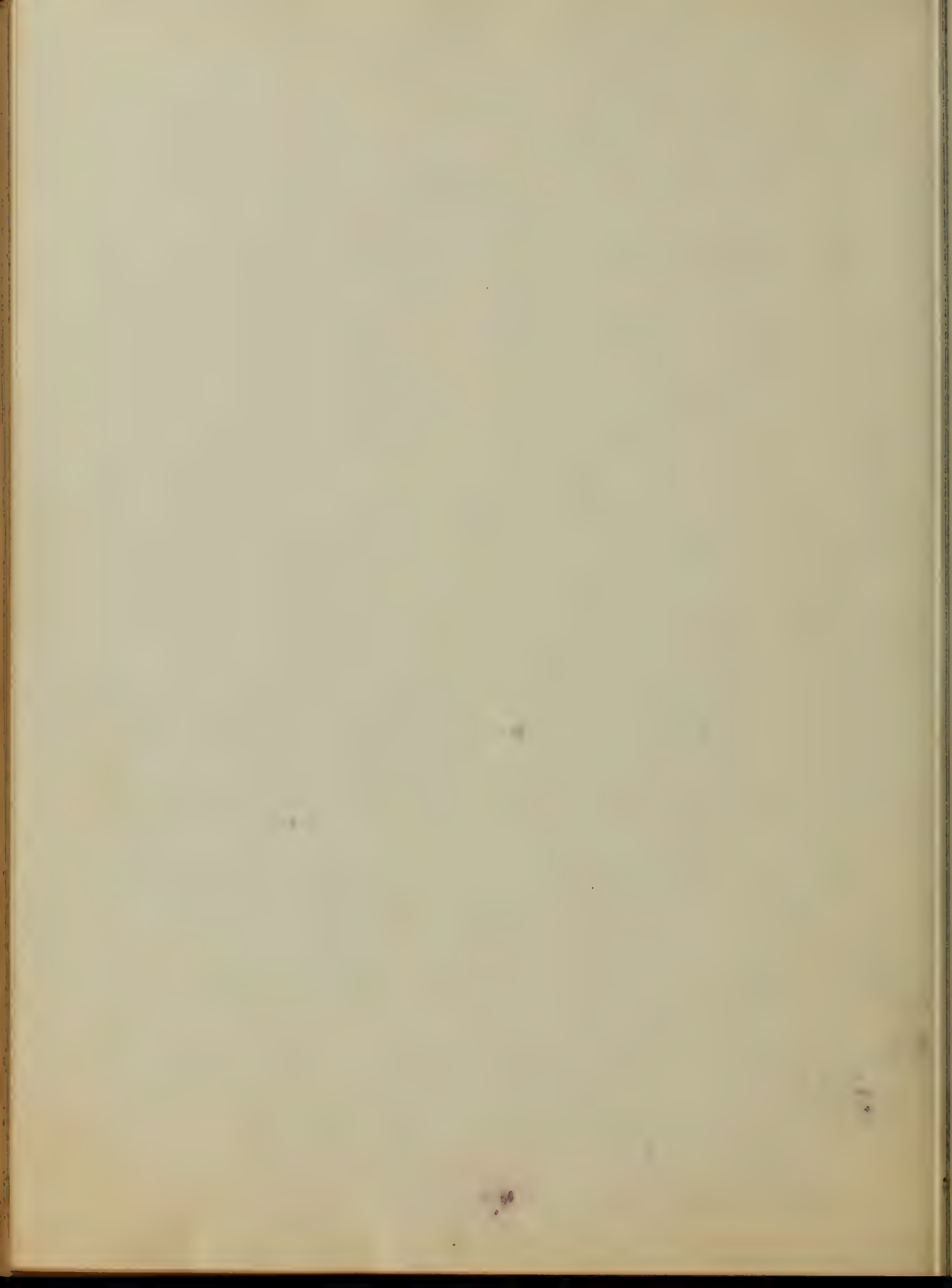


patient was completely
being changed in color and
that will be a stage and
and then the patient will com-
mence with a severe head-ache
and pain in all of the
limbs and will complete
if the patient is in the
times in the condition of sleep
in the second stage the
longer than the first stage
and ends in the sweating
stage with a complete
of the patient and
the patient falls into a deep
or refreshing sleep.

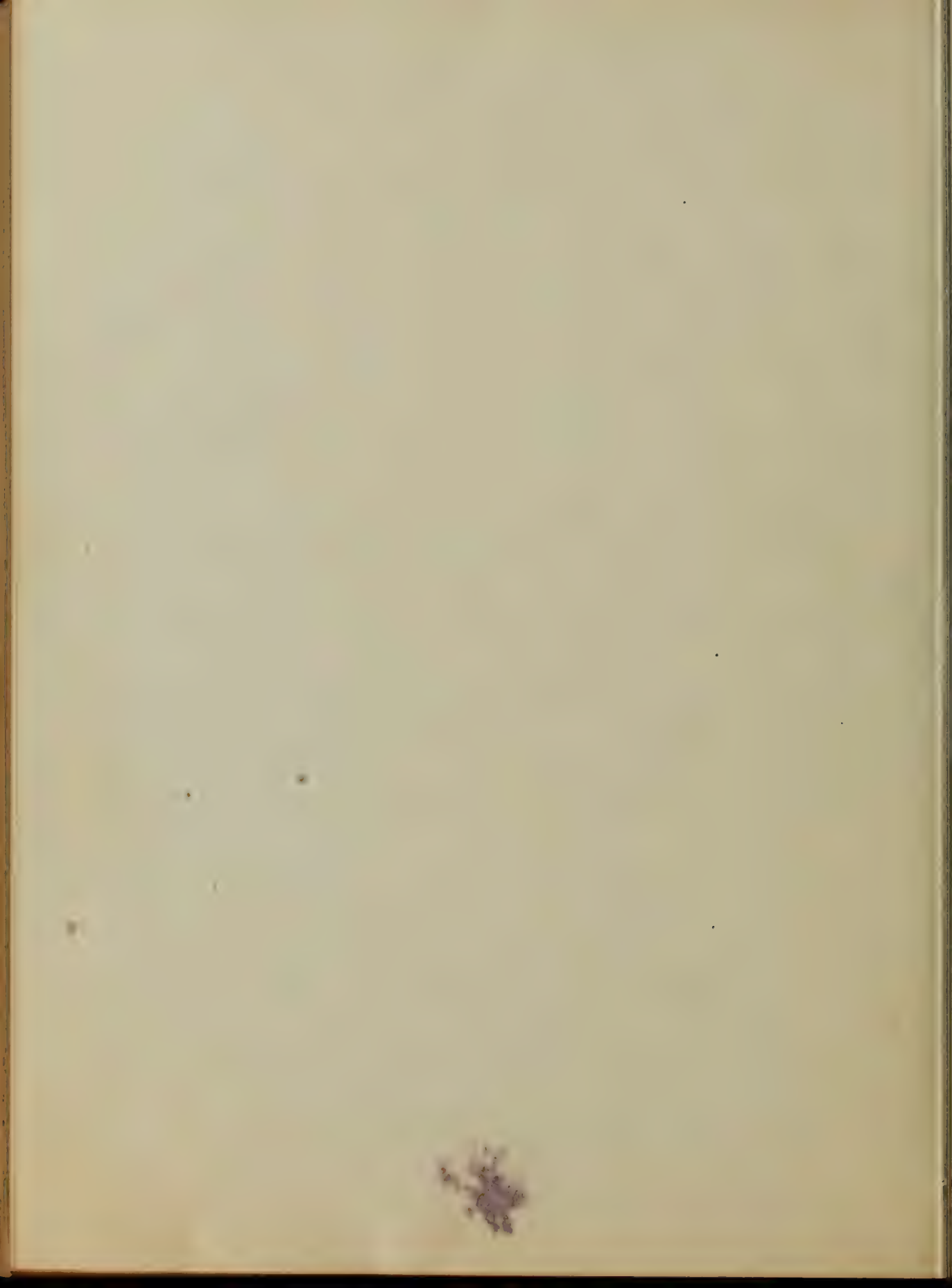


When the fever
is slight the diagnosis is
easy, and we must wait
for the return of the
shab, has been given, for if it
single intermittent it will
most sure to assist the
Prognosis is favorable in ordinary
or simple cases of intermitting
fever. When the disease is
considered dangerous it is
frequent and numerous
single intermitting fevers
are common and it is only
the disease.





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H. J. Cottant

