

Fulton record

Amarca Callida -

Aristolochia longa

Serpentaria Vir. In Root

Croton Eleutheria. Caf.

Cuspalia Febrifuga. Angustifolia

aurantia. orange -

arvensis montana
asturica Better

Cinchona officinalis or lancafolia -

C — blancafolia -

C — cardifolia -

C — caribaea - charibaea -

Salix latifolia

S — Pentandria.

Eschulus Hippocastanum.

Swietana Febrifuga -

Prunus Virginiana.

P — cerotina -

Metallia Jovis.

From . 591 begin to 7. 323 1/2

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

Nov. 2. - 1812.

D. Barton's first lecture laid before us
the discoveries of 4 years. Some ~~old~~ animals
breathe by lungs & branchiae. What? Animals
which have hitherto only been known in Asia
found in America. New species of mammalia.

Nov. 6th. Materia Med. Examples of instinct in animals, the
young viper will threaten when cut from the belly
of the mother, a rattlesnake swallow a mouse
as soon as born. Ducks seek the water chickens
avoid it altho' from the same heat they were
evolved. Connate instinct? Child seeks milk.
Hence infer that man became acquainted with
vegetable in the same way. The South American
have a species of vicornis or Uva Ursa for the stone
Partridge berry juice makes purgation very
greatly; Dentalia used for toothache quia root
resembles teeth. Signatures, supposing fleet
animals flesh produce fleetness, strong strong
Salp. orchis. Advantage of examining veget-
by resolution, as in opium obtaining the
gum by water, resins by alcohol. & colouring
matter by. The bitterness of opium is in its
gum, the narcotic in resins. Gum arabic
by heat is resolved into the same principles
as the poison of vipers.

Botanical affinity or habit. Plants of
!!! Tetradynamia are all antiscorbutic & none
unpoisonous. But some claps are very

diff. + as the Melon & Colocynth are cucurbitata?
and of the same genus. one agreeable as
food the other bitter & a drastic purge.

Lecture Continuation of the method used Lecture
3^d Nov. by means to obtain a knowledge 3^d
of plants &c. Habit frequently deceptive Nov 7th
Solanum tuberosum is essential, but
the other species deleterious melongena Nat. Order
essential. *Verbascum* of the Linnae Habit
Nat. Order. *Nicotiana*. Some are
are solanaceous - *Verbascum* good
for cough. *Sanguinaria* & *Lilendo-*
mum are narcotic & very much
resemble *papaver*, hence Natural
order etc.

The properties are altered by climate Change
a tree which yields a medicinal gum in
Mexico copiously has less in Georgia by climate
& less in the Carolina's than in Georgia
Pennsylvanian less the Car. Maryland
than Philadelphia. The scurry grass
loses its activity in cold climate & per-
haps in Lapland or Iceland Greenland
it antiscorbutic qualities would be
extinct, that is loss its ammonia. The
grape has less of its active principle
here than in France.

To judge of
qualities.
by
the senses.

By the sensible qualities may fre-
quently be determined they are but
this sometimes fails. Cullen says
that those substances which are insi-
pid & inodorous are harmless but
this has exceptions. Fontana found
not taste in the venom of the viper -
the venom of the crotalus flavida -
is highly acrid as D. Boissard himself
retained its pungency till next
day. Their taste is a pretty good
criterion. The smell is equally good -
by like it subject to fallacy. The colour
is more fallacious, indeed it is the
least to be relied on by the Botanist
who must know that it varies with
climate & culture ad infinitum. The
seed of Umbeliferous plant are aro-
matic & pungent. so their taste (called
by Linnæus graveolens) of the leaves
is nearly allied; but the colour of
the flowering rose is as numerous
almost as the plants.

Smells

Animals which from their na-
ture seek their food by the scent has
the officina olfactoria larger & their

sense of smell wonderfully improved. Smelling
The ethmoid bone of the Boy with por-
tule, maxillary, sinuses are very large
and the Schneiderian membrane very ex- Savages
tensive. One that has been domesti-
cated & not obliged to seek its food in the
me is found not so well provided. These civilized
parts of a less size. So in man. Dr. Hoon. Men.
Jelsk, who has examined the human
crania extremely concludes that the
Indians olfactory apparatus is much
better & what is most strange larger
than the man civilized & that the size
varies in proportion to their civili-
zation that is to their necessity
for their use.

The Ticonis a virulene poison
of S. Amer. is viscid & inodorous.
^{oxyphyllitica}
The Lobelia ~~tota~~ smells like tobacco.

The uncertainty of taste depends on Taste
the impossibility of expressing it with Smell
precision. Sweet - Bitter - Symplic uncertain
astringent & acid, are almost certain.
by the gradations in these are infinite
Besides we shall find many which
belong not to these. ~~astrucous, etc~~
~~lucida, etc, aromatic, musk.~~

nauseous. The taste of numerous plants which we would in a moment say belonged not either of these.

Doors
puignant D.B. make a pungent odour as in Anemone & plant of order Tetradymia, but I really think this is not properly considered an odour but is no more than 'tis when applied to the skin. He calls it puignant! recommends Cullen a new addition by himself with additions.

Her - yellow pines
celandine
muscary renunculus
is white
Red acid fruits with
any exceptions - sumach is
acid, but many of the same species
not red are not acid.

5th Black - ingratitude black
currant (rabies)

Thus we have considered the sensible qualities of mat. med - are insufficient - therefore we must depend on experience or experiment

Nov. 8th
Lecture 4th

Color -

The sensible qualities of plants such
Taste, smell are not much to be de-
pendad upon. The colour has be made
another, but not much more certain
or less extensive than the other. A gentle
man of acute olfactorys *theriacus* was
not affect to the fragrant *mullitot*,
in the left. Most can see colours &
distinguish them. I have heard of a
lady who cannot see blue in Boston.

Letting
the the man
varies in propor-
tions that is to
get their use.

The *Ticonis acuminata*
of S. Amer. is unripe & insipid
oxyphylica
The *Lobeliastach* smells like tobacco

The incertainty of taste depends on
the impossibility of expressing it with
precision. Sweet - Bitter - Styptic
astringent & acid, are almost certain.
by the gradations in these are infinite
Besides we shall find many which
belong not to these. ~~acris~~
laser, *laser*, *aromatic* - musk.

Peccurus

Colours -

Lines

Sumner describes 7 colours
which are pretty indications of their
qualities.

1st. Pallid-sickly - unripe, succulent, innocent. Black currant is agreeable, but green irritating. Hemlock growing down cellar not poisonous.

2^d. Green - active, eructant. Green fruits

3^d. Yellow - bitter - yellow pines an exception - elderberries - Juniper berries - sumnulus. Quassia is white.

4th. Red acid fruits with many exceptions - sumach is acid, but many of the same species not red are not acid.

5th. Black - engrafted black currant (rabies)

Thus we have considered the sensible qualities of fruit. These are insufficient - therefore we must depend on experience or experiment

Linnaeus formed his system of
metier. Med. on the sexual system -
altho' this agreed in many part
it was erroneous wherever it be-
came artificial. The Natural Order
not proper criterion.

A Physiological arrangement
has next been made depending on
the tendency medicines have to affect
some peculiar subordinate system
as Diuretic, effecting peculiarly
the kidneys. This is near the right
but still not perfect. Specifics Dr
Barton think ought to be banished
because it has been abused & Idio-
pathetic substituted. acetic acid
affect the blood & vessels peculiarly Mer-
cury the glandular system

Devinis arrangement is
ingenious but not founded on cor-
rect theories

1st - Nutrients -

2^d - Stimulants -

3^d - Astringent secretions - Diuret.
Diaphoretic - &c

4th Absorbents — but Dr Barton
& Ruess believe that there is nothing
like absorbent in the skin —

5th Invertants such as invert the
order of nature — emetics — invert
the peristaltic motion —

6th Revertants — Tonic. Chimerous
antispasmodics — Sedative med
which last is thought improper
& fallacious. They involve
Theories which better comport with
elegance of poetical notions than to
facts.

Lecture 5th
Nov^r 12th

Grand Division. Materia Alimens
& Mat. Med. First class astringents —
which will be abolished & many placed as
an order in Tonics — Darwin places
astringent among his sorbentia because
they being applied to the tongue con-
tract it — why from its affecting the ab-
sorbents & causing them by their increased
action to take up something which kept
the fibres loosely apart — they draw in the
fluid already existing in the part, approx-
imating the fibres.

Species of Saccata? Salamander —

Plants affected by Stimulants. Euphorbia — three branches to the first of the same size with the others cut smooth off. apply alum. — to D. solution sulph. of copper — the 3^d wipe with a sponge. The left flow freely some hours — the first stops in short time & the second stops almost immediately. — used in hemorrhagia from uterus, stomach, lungs — &c

Lecture 6th

Astringents

Nov 13th

Astringents are mostly purgatives — probable all if in suffi.ⁿ doses —

Galic acid supposed to be the principle of astringency in conduria turn with alumine Ferrous & magnesia — some say malic & other vegetable acids.

Pharmaceutics — In substance always advisable. — Resin ought not to be given in sublt. with alcohol. These things ought not, if possible to be prescribed in tincture left women become drunkards. D. D. Thurgill

In some Dropsy bleeding is best full — such as are induced by fever — intermittent — Typhus — Hydrocele — bark useful, anasarca.

such as may arise from increased
action. — Hydrocele from
Arthritis gonit — which returning
the Hydro^e cured

active hemorrhagia improper
but passive, which depends on debi-
lity useful.

Lecture 17th
Nov. 16th
Astringents

Piles — Dysentery. Diarrhea, when depending
on debility. Yellow fever has happily terminated
in Deas. then improper. Arthritic Deas. pyrosis
Leucorrhoea when from debility — or L. frigidus
never in L. calidus. Diabetes, when passive
~~blood~~ astringents, tonics, when active not —
Diabetes has terminated a fever & been cured itself
by an emetic. Pyrosis — water brash. Kimo-
ast. in sweeting in P. Pul — — Ophthalmia —
passive. Habitual softness, relieved by
Bark & theriac, when induced by weakness

Particular
Astringents

1^o Vegetables —
of which

1^o the Acorn will be considered
first —

1^o Nut galls — in Gynanche Tonsils.
passive inflammations — in the remitting
fever — intermitting — like Cherrhonae
Especially to gangrene. Quercus Inter-
via black o^k. 2. Tautance. Spanish O.
2. Pinus. chepnet O. — Different

The same species of *Synips* never lays its egg on the upper and under side of a leaf. Thus they may be distinguished

Galls-

In Spain - *Quercus Lævis* - blind piles from detritus - Piles some of before were the precursors of Yellow fever - in D^r Barton himself *et alii*. Glects - Pint of water to oz, more frequently use - great Spoonfull -

Kino a gum Resin - introduced by D^r J. Fothergill - The tree found in Georgia resembles Sanguis Draconis

Section 14th
Nov. 17 -

?
Kino

Formula^{1st} - Rub it with arabic & sugar 3oz in general with Gentian & opium.

2 - 4.8 Kino - 64 Gentian. 2 opium - divided into six doses. - *Asterius hemor-*
rhous albus. - &c.

Formula - In Linnæ water - Gonorr - Diabetes - Pyrosis - checked & finally cured by mercury accidentally administered.

Tinct Kino - 3oz to pint ^{a. week narrow.} ~~Quart~~ used were other astringents are useful - internal tints - when bark or other things assise fails

Terra Japonica - Catacue - Mimusca Catacue gum - internal usage boiled - Cutch. & dried - Great portion of Tannin - & the best articles for tanning - contains 54 Tan. to 100 - called commonly Cutch -

In all the diseases - about 3 months ago
before mentioned - Can we count as
combined with - who said let these
alum - Confused
with Kino but
is it brittle & breaks - like others before
like glass, the other
may be needed.

used - in slices indolent afterwards -
old Bubbles.

Formula - 3oz. 2oz. Canna - ^{very} pale
mor. water - 3 days -

Highly recommended -

Yellow Resin from Botany bay -
resembles this last in properties -

Logwood -

Hematoxylum campeachy -

properties extracted by water & Sp. of Vin -
use - Diarrh. Disen. of the Lc -

Extract in intermittent.

Mistletoe

Keeps not much use - rather oper-
ating on the mind from being con-
sidered sacred. - Parasite - its
vefels anastomose with those of the
tree it depends upon - suba tuncu
happening from one to the other. The vefels
perform the change which is found in its

The same species of *Syring* properties so different
its egg on the apple or from the tree on
a leaf. Thus they are which it grows -
In Spain - Quercus & for tis the same
from detritity - whether from the apple
were the precursor or the oak - Epilepsy -
D^r Boston nurse Camp. Epilepsies - the
Pint of water minds affected. In Ep-
epl - great increased motility. Produced
by troubles - was - religious

Thin awakenings -

J. Gothergi

resist *Geranium maculatum* - hem
For obstia. in milk & - ? build in
cholera morbus.

Lecture 8th

Nov^r 18th

Astringentia

In Cholera morbus tonics are not
used soon enough.

Hevera. in cancer - but also
no doubt useful.

Tormentilla. belongs to old continent.
very like strawberry - I reptans common with
us. root of strawberry attract - large
quantity of tan - might be used with ad-
vantage. Taken in large doses with
Gent. in intermittent. The best for this
disease before Bark was discovered.

Prevent abortion - proper where there
is great detritity - like other astringent tonics
Sommering says that most of the cases
of abortion, are cases of morbidity.

particularly believe about 3 months ago
violence in all things - can we cease to ad-
mire - & to adore! - who said let these
things be?

Cortex granatorum - like others before
mentioned.

Uva Ursi as an astringent only, its
anthelmintic properties afterwards -
Europe & America is grown. not very
active - produces no effect on the prostate
yet is seen to be almost acting like a
specific more than anything else -

?
Intermittents - Dysuria? Leucor-
rhea - Sistorea - is increased by Uva Ursi
Recent. Gon. and likewise in that of long
standing - sulphur - a tonic state -
internally in large doses

Formula - one scruple - to half
drachm of -

Injection - Pulmonary consumption
without very great benefit. only as a
tonic to prevent sweating. Diabetic
Diarrhea -

acetic fruits Peruvian - Uva Ursi
Diach. Sic. - y - adra to lb. with
& rose -

Alum — super sulphas alu. & potassa Alum-
aut pot & amms. — Rarely found in
mineral waters — Use in Tanning

Internally applied — with nut
meg in intermittents — successful
next to bark — given with Bark & eronella
alba. Putrid fevers of North Caro.ⁿ

alum. Columbo & Gentian — inter-
mittent. It produces costive ness but
sometimes purges.

Cholera Infantum small dose
with Cardamum — The a. & sugar
are rubbed together and water
added. Hemorrhagia — Hemoptis
only when passive, which seldom occurs
^{Hydretis}
~~has sweeten~~ cured tertium Hemor-
by alum fused with Sang. Draconis.

Menorrhagia — small dose at
first. left vomit. purgative — frequently
give a scruple for several days together
greater quantity in hot climates. half
dram every one in Uterine hemorrhage

Frequens Menorrhagia. no stimu-
lants — iron — Bark doubtful

sailing riding — change of
is great dew climate — great after
Summering days that most of them to
of abolition, are cases of menorrhagia

diets

Dram of alumina — Do. of Galls in
10 & 12 doses with Laudanum always
Scorbutic hemorrhagia — of the gums —
Pulvis. Helvetius. alumina & San Draco —
now Kins in Fluor albus —

Dysenteria 1 scruple — with oak
Bark or Galls ʒ. to ʒss of water boiled
to ʒss —

Di Mead recommends it in Diabetes
but not eminently useful has it been yet
proved. Attention to Diet — no saccharine
drinks &c best.

Externally used in gargles for the
throat — inflammation of tonsils — laryngitis
of them. putrid sore throat.

Inflammation of the eyes. Ophthalmia
ʒ to ʒss. to ʒss of water — Redematous
Ophthalm.

aluminum coagulans — alum
with white of an egg rub a piece — used
externally — eyes-gargle — spreading on a
poultice — Best in chronic inflam.

Poultice wet with alum water — alum
whey — milk coagu. ʒ doses to ʒss with
sugar & rose —

Dec. 8th
Nov 20

a given in small doses frequently -
beginning with 5gr - to 20gr - acts only
in part by its astringency - quickness of
the pulse - use in Cholera Pictonum -

Bole Armeniac, externally uptho -
gargles - little use -

The fumes collecting on plant called Lead.
Pelline, advantageous to them.

Litharge semimutified oxide - what
is ceruse? acetate of lead - superacetate

Boil vinegar (very strong on litharge
better than acetate, which is produced by
boiling acetic acid on ceruse evaporating
the soln. till a pellicle arise, the cool -
crystals -

Colica Pictonum. sometimes pro-
duced by drinking adulterate wine
ceruses only half a grain to the year
Patters by observation - Mentors Rheu
in wrists. It produces it the long operation
of the lead. But men in mines have
cook their food on pigs of lead without
any injury - Produced by ceruses without
adulteration.

Cured by ^{moderate} purgatives Premordant.
Oleum Ricini - calomel. & Rheu -
Galap. Opium only used when pain
is very violent. Clear the bowels -
sometimes purgatives will no effect.
cold water & extremities has done it
immediately.

Quinquina - warm bath -

Gutta Serena, said to be produced
by Lead - palsy of the eye - a symp-
tom of Cholera Pic. - sometimes accom-
panied with rheumatism.

Hoyleard & bread - prevents Cholera
Petitons. used by potlers - fat
broth by one in this city - Malic said
said to produce it. produce attrition
pains. example in this city.

Boile shot & lead for Diarrhea -
making a weak solution of acetate -

Lecture 9th
Nov. 23^d

External use of lead. Goulard's extract
pomentation - poultice - discutient. Herma
calliria. To eyes - Disruptans inflamma-
tions sometimes good but frequently evil
- producing sphacelation or gangrene -
Destroys the mobility - $\frac{1}{2}$ oz to Drachm -
a Cosmetic - gargles, doubted - Said
unum, said, secure, for piles - Burns
- Local inflammation - Mercury combined
in old people - Leucor. Gleet - Gon.

Opium to 8 or 10 ounces. not recent
cases - sometimes 3 to 6 gr to 8 or 10 oz
with sulphate of Zinc. 1 Scruple to Drachm
action Lth. 20 to 24 to Doz, injections

Hernia Humoralis — — Indisposition?
Intermittents — sal ammo — Laid
moderate the fever. — Sugar of ʒ 4 grs
Sedatives — Malig. yell fever pre-
vent the black vomit & cure it after
its occurring — Delirium — Sub-
stituted in Typhus fever.
Epilepsies. infants. Be careful to
distinguish between atonic state & the
tonic, for to use lead when tonic were
necessary is exactly what we should
not do.

Used in Pertussis, but this disease
will run its course and kitchen maids
will get well sooner than the children —
who have been tended carefully by the
Physicians — used in Singultus —
not with great effects.

In Tetanus lead internally &
person put in ice house — dubitanda.
used in furor uterinus — Melancholia
Hydrophobia. Thos albus in the febrile
state.

Cholera Infantum. Diarrhea — when
latent fever — Diarrh. in remittent
fevers.
In Disenteria it might be useful
from theory & analogy. If it does not

produce its effect immediately or soon lay
it aside for its consequences will not
be favourable.

— To prevent or check salivation —
I ease with success. But as the D^r thinks
not equal to Opium & Specaakuana. —
it sometimes produces soreness like mer-
cury.

antihemorrhagic. active Hemoptysis —
Epistaxis. Malignant fevers. Melina —
Uterine Hem. Iron Glans peris. Pul-
consumption. Depressing the living powers
nervous powers. with Sassafras.

2 or 3 grs. at first. This may do. if it
operates it will soon as to give time
for repetition — 2 or 3 grs in 24 hours quite
suff. it has be increased to 6. 7 & 8.

Tonics.

Stahl thought tonics produced
their effects by the medium of the Fella
cellulosa. Lin. muscularia. Gregory
roborantia. Darwin Sorbentia.

Depends principally on better quantity
unless seem coherent in it.

Bark, salix & Dogwood, strengthening &
slightly accelerating. continue sometimes

Some say deleterious properties

Pharmaceutical

Solid best - next - infusion -
- decoction - - worst of all Tinctures.

Individual Bitters.

1. Pure bitters. 2. Bitters & Astringent
combined. 3. Bitters & Astringents
with aromatics.

Pure Bitters

Gentiana Lencaris - indigenous - *Amara pura*
G — *Lutea* - of shops -
G — *Centauria* not our Cen -
G — *angustifolia* -

Shaughton Bitters

Elix. Stomach. juice -
6℥ orange peel fresh
1/2℥ extract Gen.
Spoonful.

Tinct. Stomach.

4℥ Per. Bark
1℥ Gen. orange peel
Brandy -

Jepufuge. with Galls - intermittent
remittent. after fevers. diminished
of stomach or whole system. antiseptic.

Peronea. called Centauria by us -

Phoradendron officinalis. western country
like Columbus -

Inapsia Amara tree moderate
size. West Indies & Span. India.
antiseptic. Moleynant. J. inter-
mittent & remit?

with Snake Root - Billion's fern

Dropsy - Nervousness - Hysteria -
with Lime. Dyspepsia - with colic
removes costiveness & relaxations - Hal-
water - large doses long continued
Beer. Extract. all qualities a

Inapsia Polygama - large, beaute-
ful tree. Amerochea - Debility -
The wood stronger than Bark in other
species Bark is. Depraved appetites
Dirt eating, green sickness - vitiated app

Inapsia Semiruba. neither astring-
nor mucilag. Dispen. France not
in early stages. third. but when tenes-
mus is supported by debility. Deorb-
Huxor - after ulceration has taken sp.

2 & 3 $\bar{3}$ every 5 hours -
4 or 5 $\bar{3}$ Laudanum

Putrid J. Habit colic with bloody
stools

Bonsea after D & B. pure bitter

Monosperma
Columbo aut Calumbæ. classis Columbo
1685. rendered a great. by orange. Prop.
is the resin. Antiseptic.

13s. no effect on pulse

$\frac{1}{2}$ 3 roused little stronger &
fuller. Nice attenⁿ. to pulse requi-
site — In interm. & remitt. ambu-
may Prevent inter — Less violent Pharmaceutic
kinds, delicate habits: Pul. con-
hectic fever — Dyspep^s.

Cholera morbus. vomiting in Bil.
Tea & B. Tea. allay nausea. Diarrh
in Dentition & Pregnancy — in last
strong infusion of tea or powder.

Dose according to age.

5 or 6 grs — adult — sometimes Formula

10. 20. 30 grs. — 3 or 4 times in 24 hours

5 grs in 24 hours.

Tincture. infusion in cold wea-
ther best. in warm won't keep.

Prep { 2 3 of the col. } several days —
{ 2 lbs Spirit }

Xanthoxera spirifolia. yellow Xanthoxera
dye —

Eleborus trifolius. Golden Thread.

Hydrastis canadensis. all three bitter
tonic & hnetorial. Rarumculoid.

Lichen Scilluridicus mucilag
more yet interiore better Karl.
Linn. when looses required -

Rhubarb - infusion in cold
or warm water, a tonic

Nicker Root. In Virginia &
west India - yaws - Tuber fossalis
Anthe^{nis} nobilis Leonville - inter
mitt. now & formerly. 2 & 3 Stage
of Disen. . Colic affections, altho
doubtful.

Abisynthum. wormwood. Worm
regulates the milk of women and the
Flesh of sheep. extract. Vermifuge
Calacynthe. Sarsaparilla - antihelmintic.
gent.

Mondan

Humulus lupulus. Hop - wild - a
In beer to preserve them - intoxicating
Produce according to some Nephritis -
Erasmus. Dr Barton. a person in Fran
who has cut 1400 for the Stone says
they were all Amelobiberos. A Good
tonic. high appetite in Dyspepsia.
after habitual intoxication. took it
Prochare preferred in his practice under
Potes to warm as cordial. the pulse in under

a little Narcotic - extract operales like
Opium, and agrees with stomach which Thursday
used Opium. Fruit Lupuli. one third
weaker the Opium!. made a satur-
ated solution. which will be 43 $\frac{1}{2}$ 3
of spirit. an oily matter pertains to it
Here ends the pure matter!

Heating letters - stimulating - approx- Amara
imating to sitania - portion of astruc. Callida
gent P.

Aristolochia Longa. Europe - Amer-
negog. only in eyes of Retention and
Chlorasis. Ingredient of Portland powder
Dec. Gout - P.P. Aristol. Longa -
the leaves. and Gentian & Lentany
leaves equal quantities. a 3 way
morning for 4 months. $\frac{2}{3}$ 3 till 9
month & $\frac{1}{2}$ 3 at year's ends of 200
200 died before 2 years which is the
time to use it. Aristolochia takes off
the villous coat of the stomach. This
prescription induced apoplexias -
Hydrothorax &c. The tendency of this
disease to this summation. Long
continued a great evil. In this
way & probably a fever is continually
Hydran keeps up & this keeps away
tonce & here the paroxysms.

Aristolochia Serpentina. Virgins -
Snake root. not so cured as former
peculiar to N. America. many of the
names very different - Actea Racemosa,
Polygonum Senega - Squillaria
The root fibrous. aromatic. new
species - some properties - ^{as} More agree-
able than than d. l. Sig. Pringle
antiseptic - very little if any astring-
ency. ~~nascent~~ Tonic more stimulatory
than any of this class. An exception
to Dr Cullen's. Theo. better suited
to tonics.

Low state of Typhus. F. Sig. Pringle.
3^d state of malign. in ardent spirits -
with bark. Plague. never is to be used
till weakness come on pulse becomes.
Typhus - It may be painful by heating
Putrid Billions - yell. Fev. as soon as
pulse sinks and till necessary to keep
up the living powers. - Dr Hilary.
In yellow after 3 days.

Sydenham, with wine before paroxysm.
of interm. - some with bark - when passing
in typhus. Typhoid state. -

Putrid pleurisy out 130. D. O. took it
& so died - per tentorial carbuncle -
bleeding once wound sunk the pulse in

Aristol. demulater sponger the opium

Croton Eleuthera. Shrub Savannah Cajacilla
& south of it. Bark bitter aromatic

imparting durable heat to tongue -

being pleasant odors - smoked less

intoxicating - Intermittent remitt -

Stahleams said better than bark. Can

serve as weak febrifuge. In certain

kinds of interm. as the peculiar one

of 1804 Fredericstown - verging to

typhus. Not yielding to Bark or Annis

Has been recommended in Hemoptisis.

angustura. Bark of Cappalia febr Angustura

Juga. heating bitter. Typhus enters

mittents. Extreme depression of Feb-

kind. Dysenteria. - given instead

of bark to children - because small

dose only required, only 1.33. were 2.75

is required. Every Practitioner should

have it. Allied to magnolia. That in

market the umbrella tree -

Leaves of the orange & peel of fruit.

aromatic - much like cajacilla but aromatic

more feeble. Dr Johnson was subject to

Chorea S^a Viti. & he used

Annis in dysentery.

Annis -

montana

Cinchona

The bark was introduced by the
Cassids of Cinchona. she obtained it from
the savages of Sth America, when such
many most valuable medicines
from America - Guaiacum Quinaquina
ana. potatoes. Bark &c. &c. &c.
Turkeys.

Cinchona has an astringency
mixed with bitter & a little aroma
Its peculiar properties arise from its
peculiar composition and its facility
to take about one being the effici-
ent principle.

officinalis

Used first by Lydenham, the
pale & quilled. Lachin in Peru -
the whole chain of the Andes - some
tannous country only. Lopped thick
tree - size of human body, but from
its demand now seldom seen more
than 8 or 9 inches in diameter & 12 or 15
ft high. called lanuolia from de la

oblongifolia

Red B. Leaves elliptical very large
6 inches in diameter height 12 or 15
4 & 5 ft. in diameter - Peru. Red bark

cardifolia

Small 15 or 24 height - Peru yel-
low bark. others of which many species
very little employed -

Lin Caribana used in West Indies Caribana
& sometimes here. We may have the
cinchona in our country - western.
It was 100 years after Ammonius
discovered before introduced. They
pursued gold - not medicine. First
used by Countess of Cinchona 1630 -
made known to Cardinal - called
Jesuits - 1640. became famous -
because seen in Loxia.

This a powerful tonic by the
happy union of a & T. Dyspepsia
from debility which Cullen says is
from loss of tone in muscular fibres.

It produces a new state in Fevers -
not by its quantity of stimulus -

Intermittents so as to cure most
of them, given as soon as possible in the
apexical state. Before the second,
could interm. After first Paroxysm in
Interm. D. Lind says as soon as possible
when thus, jaundice nor dropsy follows
& any preparation necessary - not
when all the functions were going on well
Bloodletting even more than once
before beginning. Give Barks as soon
as pulse will allow. Has been given

10 or 15 hours after being taken as in
rheumatism. Some evacuate in order
to take away the disorder or irritability
of the stomach. proper when there is
a determination to head - or a general
torpor & a tendency to Diarrhoea - In
intemperate persons. - marshy & hot
climates - Purgatives - to evacuate
the bile.

Calomel 6gr to 10gr -

Rhubarb 15gr. to 20gr. with
Calomel. 4 or 5 grs -

Podofellum 15gr to 20 with
Calomel 4 or 5 grs -

One species of bark is found in Coro-
mandel. In choosing bark that
of largest trees is best, the outer side
of the tree Lin. Officin. is ash coloured
as if powdered - The oblongifolia is
of the same colour by smooth. The
larger branches are preferred to the
smaller - The dryer the better -
never lose any quality. The green
has some volatile parts which in
some part of which given emetic
cathartic powers. When perfectly dry
by gentle heat, broken in small
pieces & kept in chests.

Emetics in this country and
in our peculiar inter. cannot
be so useful as requisite as in
Europe. When the symptoms
are some what inflammatory
Rhubarb may be continued thro'
the whole course of bark. When doubt-
full whether bark be proper begin
with Rhubarb. with it - or coenoc
tarian. Some say never purgatives.

Obstructions - not a general
rule to give bark but only when
the obstructions are small & the
fever weak very great. If the re-
verse not without mercury.

What stage to be given accor-
ding to Cullen a little before the
paroxysm. 23j in patients stomach
will bear it smaller doses of root
may cause puking. Shortly before
particularly when short intermissions
Quartan require very large doses
because the object is to ~~con~~ prevent
the second parox, which will be
fatal. Seldom in this country -
Some say contrarius that it
ought to be given as distant from
the paroxysm as possible during
that stage or after it. They also say

that is increases the paroxysm
before,

shall there be any respect to
the intermissions. Bellars used
in in the fevers in the intermissions of
Bengal in all periods - So in
Delaware. Many have do this
I am in West India & others in
Canada. . . attend to the pulse
~~the~~ only one in this city has
tried it. Improper in this climate
in hot stage.

It is given at the Southward
& tropical climates when the skin
is moist - In Summer & Autumn
more than other seasons & the
fevers are of a different type. May
be given in all fevers when the
tongue is moist.

Apoplectic tertian - starts
lost of sensibility. breath oppressed
sometimes it is a remittent and
the person remains insensible the
whole time bark is the remedy -
Not till after bleedg. then with
calamel to open. next Bark to
prevent the second fit which always
kills.

In remittent more nicety required
if approximating to Typhus more
easy. Preparation more necessary
in remittents. Typhus arising
from the same cause & uterine
marrow micromata - one in
Liverpool. not usually a con-
tinued. The first symptoms are
like intoxication, pulse full & tense
Determination of blood to the brain,
eyes injected. Bark in this case
injurious. When ^{these} suppuratory
symptoms ~~are present~~ are absent
it will be proper to wait some days
Begin cautiously by in the remittent
R. Serpentaria - Vol alkali - circum-
spect - When Delirium & Phrenitis
hurtful. Never in real Typhus
fever at the beginning because
inflamm symptoms begin. Pestic
compounded the yellow & with
Typhus. Malignant Typhus. Mr.
Kenny. most good of any thing -
Bark & Serpentaria not however is
the first stage. Some use precisely an
opposite treatment

Synocha. comes on by cold, inflamm.
for most part of course it is highly

unproper, because no remission
for ever 4 or 5 days. Some have
ventured to give it. and the
not stage. Many inflame with
an intermitted type

Intermittent pleurisy - system
affected gen. with Pneumonia
produced by the same causes of
the interm. when debility occur.
 hectic - chills, pain in head
Thorax little affected. pain period
ical. sometimes acute & remitt.
Putrid water. (Serpentaria) copious
bleeding unproper, puls suddenly
sink. Blister & Bark & Sassa -
In Jamaica those who bled died
& those by bark lived.

Rheumatism acute, few extract
it. only proper when interm. -
are produced by marsh miasmata
commencing with chill - but then
instead of hot fit pain local ensue
connected into each other. Black
during remissions. antiphlog. regl.
during paroxysms - Boston -
Then D. J. Forquard & D. Bagarth of B.

antimanicul & sometimes bleeding
then immediately Bark Heberden
& Saunders - conversion of one
into the other. Intermittent
epert, as long as intermittent
treated as interm. otherwise
improper

Hemicrania pain violent on
one side of head. arises from some
cause, bleed if pulse requires
bark the sovereign remedy

all periodical inflammation
from contusion, wounds, lacera-
tions

Dysentery in common not
necessary - But when Festian
tenesmus & tormilla a staled pe-
riods. In the Apirexial state

Cholera morbus of Festian kind
mild purgatives - oleum resinis
oil & Laudanum.

Catarrh, when intermitted
Festian cat. th emetic during
the paroxysm then Bark

Quotidian influenza

Phthisis Pulmonalis - The testimony
of great Physicians in its favour
 hectic fever when ushered in with
chills - dawning intermission -
putting off the parox. - sometimes
distress at the breast, when arsenic
has been given with advantage. -
good in those which arise from
intermittents.

Putrid Cans purities of life low
- perspir. great - B, with Elixir
as a tonic. In those which arise from
extreme debility, without a primary
organic disease - when redness or
pore looks good -

Hemor. of Red Blood only in those
of passive kind - Hematuria
not of active, most always passive

Scorbutic Hem. - cures bleed of gums
why not the Scurvy. some say good
when not - seldom cure - by is a
good auxiliary need, with mineral
acids - in large quantities. Scurvy
arise on land from Vegetable Diet.
Bread & tea - Old Maids - Bark here

when an intermittent shape

Exanthemata. Small pox
when pustular will not come out. Variola
Not during inflammatory stage
but when it is feeble & tardy - When
it becomes confluent - Petriol -
by the stomach enemas

Measles - Opium & cathartics Morbilius
used - highly inflammatory - canet
rarely bark - It has been said to
have kept putrid But it was Scasli
tina anginosa - Morbillus. In
the sequel hoarseness & destruction
of the voice - Val. alkali -
Mustard. Bark by force

In Scaslina anginosa seldom Scas. Ang
B. only when a Typhus type -

Erisipelas. ~~Part~~ antiph. reg - Erisipelas
in Scotland & in this country by
Bark in England

Pemphigus - 3 cases - febrile - Pemphigus
symptoms high - anti. reg - most
violent inflam. - kind of Erisipelas -
Bark when Typhoid. vesicles about
size of filbert - ones every part of the
body.

Scropula

Scrop & Rickets different quia
the scrop. common among Indians
never rickets, tho' they arise from the
laxity of fibres. Bark Scropula
by Doz Fothergill. In open scrop
ulcers ulcers. In the Florida skin
scroph. not improper — known
with soda — Rickett never cured
after once established.

Ulcers In cancer, not a cure
but usefull correcting the matter
with hemlock & cor. sub.

Amendos pueri ulcers even when
the ven. has be subdued & the ulcer
would not heal, works wonders; &
when hectic symptoms come on

Gangrene. In the inflammatory
always injurious, in which case blis-
tering — V.S. — purging — when left to tone
Bark poultice with brandy & wine
instead of milk — In Gangrene of
low Typhus fever — Contagious
gangr. not by its antiseptic power
experimented by Fontana in infants
etc. Bark did no good either by
fine powder — or infusion. Crataegus
Florridus. is almost infallible

poison, reducing the wounded part
part to a jelly, utterly destroyed - Dec. 11th

Bark used in Spasmodic affec-
tions depending on depression of
tone - always usefull -

Epilepsy, aprobrium medicor. Epilepsy
omnis manet, et venis irritabilis
per manebit. Organic Disease
of the Brain - but not always -
Men who from habit have a deter-
mination to the Brain - here
anti-veg.

mobility of system. Cullen
deny the use of mineral tonics -
B. recom. by many em. Phy.
with Kiopath oil - with canna-
mon. - Periodical Ep. without
Plethora. In France by Bark -
Opium of Plethora

Chorea - St Viti, produced by irri Chorea
taking causes - worms - a peculiar
mobility of the system. Calybate & B
by Cullen. Other U.S. Bark must
be very useful. Sydenham & Hahn-
ilton - purges & U.S. Sydenham
U.S and tonics

Tetanus

Tetanus highly useful as recorded by some; however perhaps not all of them true. T. might have been owing the vast quantity of wine given with it. well not probably yield to B alone - Tet. from Digitatis. Tramorrhin & Acroticis - Hembarce

From the bits of the paper, we want proper directions, when - to exhibit

Pertussis

Pertussis - when the force of the disease is gone and it remains from habit & weakness. Restores the strength of fibres - Particular when complicated with interm. - quies in remissione. when children will not take fine powder in pastilles - 23 save into a jacket -

Asthma

Asthma - from different causes - when arising from a Plethora, & a determination to the throat of the B. without periodical returns - B improper. But when from motility, begins in afternoon. Dyspnoea - chills

arsenic has been given with
success — regard to intermissions

a dreadful dis — Angina Angina
Pectoris — Bark & Bitters, purgative Pectoris.
a great Dose of B. may be of
Gouty origin then Bad

attacks men of intellect John
Hunter — Herberden who
first mentions Angina P says
it must be treated by tonics

Hysteria according to form & Hysteria
variety — never when from ple-
thora — From Delicacy Nerv
Jones. B & Opium. in Melancholia.

Mania interm. — quarter type Mania.
Anthelmintic —

External use — very useful
Gasket & poultice. Enemas —
where it required three times the
quantity as per os. We do not
pay suff. atten. to having it fine
Dr Darwin sprinkled the bed.

Pedicularis in infusions. comb'd
into the head in head ache. Appli-
cation of Gasket raises pulse

so cataplasms. The Jacket found
to aggravate the paroxysms of
dis. intern. when worn during
the parox

Pharmaceutis

with Serpentaria - Tyhus, Tyhard
of acid fevers -

Valerian in Hemiplegia -

Charge of Baloni not effect -

- Camphor - Tyhus - confluent
small pox.

- Mustard 8 grs to $\frac{1}{2}$ 3 - B. ab-
stinate quartans - see remedy to
Tyhtes.

- red pepper - 8 gr $\frac{1}{2}$ 3 B. Tela-
mus - apoplec. inter -

Epilepsies - oleum Riopath

Castor -

- Opium Tyhus. very effi-
cacious & important. malignant
F. of Ceylon. Baloni no effect
when red bark first used used fre-
quently to purge the Opium.
Hemlock in the fever of Staly
cancer.

— Vol alkal. Hyphus & Fythoid
— metallic Tonics — rubigo
Ferri — glects —

— Blue Vitriol more tonic —
— Arsenic enables it to act in
many cases more surely

— Calomel. necessary in
many diseases — Icterus —
— mercury the specific.

— Calomel in intermittents
greatly to be depended upon —

— with caustic tartar
— carbonate of potash —

Substitutes for Cinchona.

Cornus Florida.

Salix. latifolia

— Pentandria.

Eschulus Hippocastaneum.

Smilax Febrifuga — feble —

Prunus Virginiana —

— Crotalaria. has besides

its tonic powers an anarcotic prin-
ciple, in case of Lunber abscess —
contains Prussic acid

Finis Veg. Tonics.

Metallic Tonics.

Iron, Copper, Silver — and Arsenic is tho' not belonging here. Cullen's idea is wrong that the stomach contained an acid which corroded or oxydated the iron & that then it produced its effect. This may some times be the case it is soluble in the gastric juice. Some thought the metal had the power to restrain & increase evacuations. The metallic preparations are tonics, increasing the pulse

Diseases. The Stahlens thought that fevers were the efforts of Nature to throw off some offending cause and that Bark was improper as it was contending against Nature. They give Iron in such cases which was right in Typhus — also the game Cascavilla. Ferri lep. adapted to cure intermittents, some preparations ought to do it, when they are without inflammatory symptoms. In no inflammatory fevers

ought to be given, acute rheumatism, not in strong people

In Cachectica. when there is a cavity and consequently haemorrhages as menorrhagia, which may be serous or sanguine

Influo albus, called or attended with fever always improper, but when from Debility. Retention of the Menes.

Gleets. which is frequently a general affec. basam copaiiba Iron - with Columbo or Gentian Rhubarb. The safest medicine to be long continued we know of.

Retention of the Menes - arising from Debil of whole system and sometimes only in the Uterine - combined with oleum Sabinae

where Starving diet, beef milt. ton, malt liquor - strong coffee

Rolls says it arises from a want of oxygen in the system, another that it arise from greater quantity - so they would use oxydes & the metals as they might carry out & bring in oxygen. Chemical Theory will.

In Hemorrhagia, Hemorrhoids

rather impounded, supposing it
astringent. Some advantage
in hemorrhagias, when not
active, but when Tonics are re-
quired. — From the Kaguays
The Piles of old people — colbor
ate of J. & Rheubarb — In low
states of Pul, Cor. — In long con-
tinued debility, which induces
consumption. — with Bitters
Generally used in Dyspepsia —
however not adapted to all forms
Tonic are there sometimes im-
proper — on Phlogistic state, with
Gentian & Colubus. Rheubarb-
Pyrris — with vegetable
astringents & Rheubarb —

From so important as not to be
dispensed with in medicine —
— In hemorrhagias not to cure
the paroxysm but to strengthen
the system & obviate another attack
so in intermittents

Diatetis — perhaps never proper
because pulis 90, 100.

Dropsy only when Tonics are nec-
essary. great debility, from great asthma

Carbonate of I. & Rhubarb. produce
large watery stools. When strokes
tions of the spleen without fever.

Never in regular gout, but in
an atomic state, in all cases where
bitters are necessary. but with
more safety.

Weakness in asthma - mode of
operation - Some one has given
Narcoti & Hyofeyamus during
the paroxysms & Iron in very large
doses during intermissions. Arsen-
ides -

Sordid. flabby. even Venereal
ulcers - Cutaneous eruption
solu. sulph. mortis.

Chorea. St. Viti. - purging &
cold path in intermissions -
acts on the solids of the stomach
& so thro' out the body - sometimes
affect the arteries. Its appearing
in the urine a fallacy. It has
been detected in the globule glands
of the mesentery. No farther.

How does it get into the system, the
elements of Iron are carried in
& the metal generated -

Its existence as a sub oxy Phosphate
in the blood doubted. Too small
to be the coloring matter —
when the system is strong there
is more Iron in it & this arises
only from the toning it & making
it capable of producing more.

The Doses of Iron should be small
& not particularly, because they
irritate the stomach, & increase, be-
cause they are of no use till large
ones are born. The simple rust
prepared by D. Cullen which is
really better than any other.

see 10th.

Begin with 5 gr. and increase
to 6 ʒij continued along time.
gr 5. or ʒij 10 once a time in 24
hours — 1200 to 2000 with
suspensions — — In 24 hours
ʒij. ʒij. — ʒij. ʒij. — ʒij.
ʒij. 3 or 4 times in the day
Council many for the preparation
Saline proper. are emetic & pur-
gative, in such case aromatics
& quina are necessary to recon-
cile the stomach. The carbonate
is the best preparation — or the iron

in metallic state reduced to an
impalpable powder —

The Super Sulphate Blue Pot.
not frequently in this city. Cuta
neous. The muciate of Iron —
diluted once & twice per day —
ʒiij. or ʒiij. in wine. Dose
ʒij to ʒiij

Prepare rubigo ferri. By
dissolving sulphate of iron ʒviij.
~~Sub carbonate of soda~~ ʒviij.
each separately in water, mix
together, by their mutual affe-
nity they exchange acids. Then
well wash the carbonate.

Chalybeats are iron held in solu-
tion in the water by carbonic acid.

Venus. Cuprum. ℞.
Chalybes. Copper —

Excellent among the astringents.
astimulant tonic. The milder
preparations are astringent. Copper
will prevent the paroxysm of
intermittent, & does this better when
it nauseates, & of course detubulates.

Copper is dissolved in the gastric
juice & its effect produced by
swallowing a bit of it are
not necessarily mechanical. They
are really corroded & to a weight
of an almost abtivated.

The pernicious effects of copper -
in its ~~small~~ loss of appetite -
by small doses - effect to vomit
colic pains in the epigastriac region
Delirium animi, convulsions,

Paralysis & Hemiplegia -
Exanthemata, Scorching costum
resp. Very deleterious. In the
copper factories the men are kept
healthy by washing before their
meals thoroughly. If they
omit this it produces erup-
tions of a blue colour. These
effects are not constant or every
united in one person - Nausea
& the constant one.

Bird not affected by it Dogs
very much. Salivation -
by a penny swallowed, yet
it was not corroded or acted
upon at all.

Vegetable

Astringents.

- 1 Galls & oak Bark.
- 2 Kino
- 3 Logwood - ~~Hamamelis~~ ~~Camp.~~
- 4 Terra Saponacea Mimososa Catechu
- 5 Myrica - Rhus -
- 6 Geranium Maculatum
- 7 Hemera -
- 8 Tormentilla,
- 9 Cortex Guanatorum -
- 10 Uva Ursi - Asutus Uv Ursi.

Mineral astringents

1. Alum
2. Lead acetate
3. Bole Ammoniac.

Amara Purca.

- Gentiana linearis.
 G. ——— Lutea. —
 G. ——— cantanua.
 G. ——— angustifolia.

- Nicker Nut - - -
~~anthracis~~
~~anthracis~~ nobilis
 abrynthum -
 calacynth -
 Humulus lupulus 30 10 10 10

- Persea -
 Phoraseria officinalis.
 Quassia Amara.
 2. ——— Polygama
 2. ——— Senaruba -

- Brucea - - - -
 Menospermum. Colombo.
 Zanthoxera apufolia.
 Elebanus tofolius.
 Hydrastis Canadensis
 Lichen Hurdicus
 Rheum Palmatum

Paralyse





Observations.

upon

Paralytic Affections

including

Apoplexia made

in

Philadelphia

since A.D. 1813.

by

John Goringill Waterhouse.

"Studium sine calamo somnium,"

etiam.

Experientia sine calamo max perit.

W.

"Crefcit eundo."

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March . 16 1814

Mr John Collins Georgian St -
between 2^d & 3^d & Pine & Garhill -

Pupils very much contracted, even
when all pain in his head had
subsided.

March 5th - pulse full, vigorous. He sweat
much. pulse sometimes fluttering

Puls: Dov:

6 - Pulse weaker. purges. Cardiac
Pain. before denied by D.C.
and almost produced gangrene
left foot recovers when tickled.
right no sensation. Cup
inclines to the left -

7. Spit much - Evident fear
tho' the whole of illness Puls: Dov.

8. Pulse full, glister. Puls: Dov:
Puls. Rhii 3jss. Aloes. Soc. qvss.

That he took an emetic & vomited
a Dov: Puls: previously U.S. 3viii.

9. better from Purgings smartly, keep
bowels free ~~from~~ by Senna &
Manna & Rhei & Licor.
10. Cups purged - pain in breast
blisters - pulse slower
11. Spoke - says pain in his
head & side. felt grinding of bones
purged Rhei & Cal. & V.
13. Dover's Powder has been taken
several times, but at last
produced no sudoresis
15. Has been pained much -
Costive always
17. Complained of his blistered
side
18. Lay upon his right side
Pupils of his eyes much con-
tracted. Pain in the left
side and limbs
20. Spasms in left leg. Frequent
cataplasms of onions -
Purged with Rhei & Sac. al.
frequently.

21. Right leg moves, ticks etc.

26. pulse strong. Heem Terebi
frictions — says when taken
the pain in his head was
volent.

28. Burning in his left side —
moves his leg better —

30. Fever Sulp. Sod ʒi —

April 1. Tells his arm at the
shoulder

4. Cold water poured upon
his right toe — which bene?

7. better —

8. Dawn Stairs

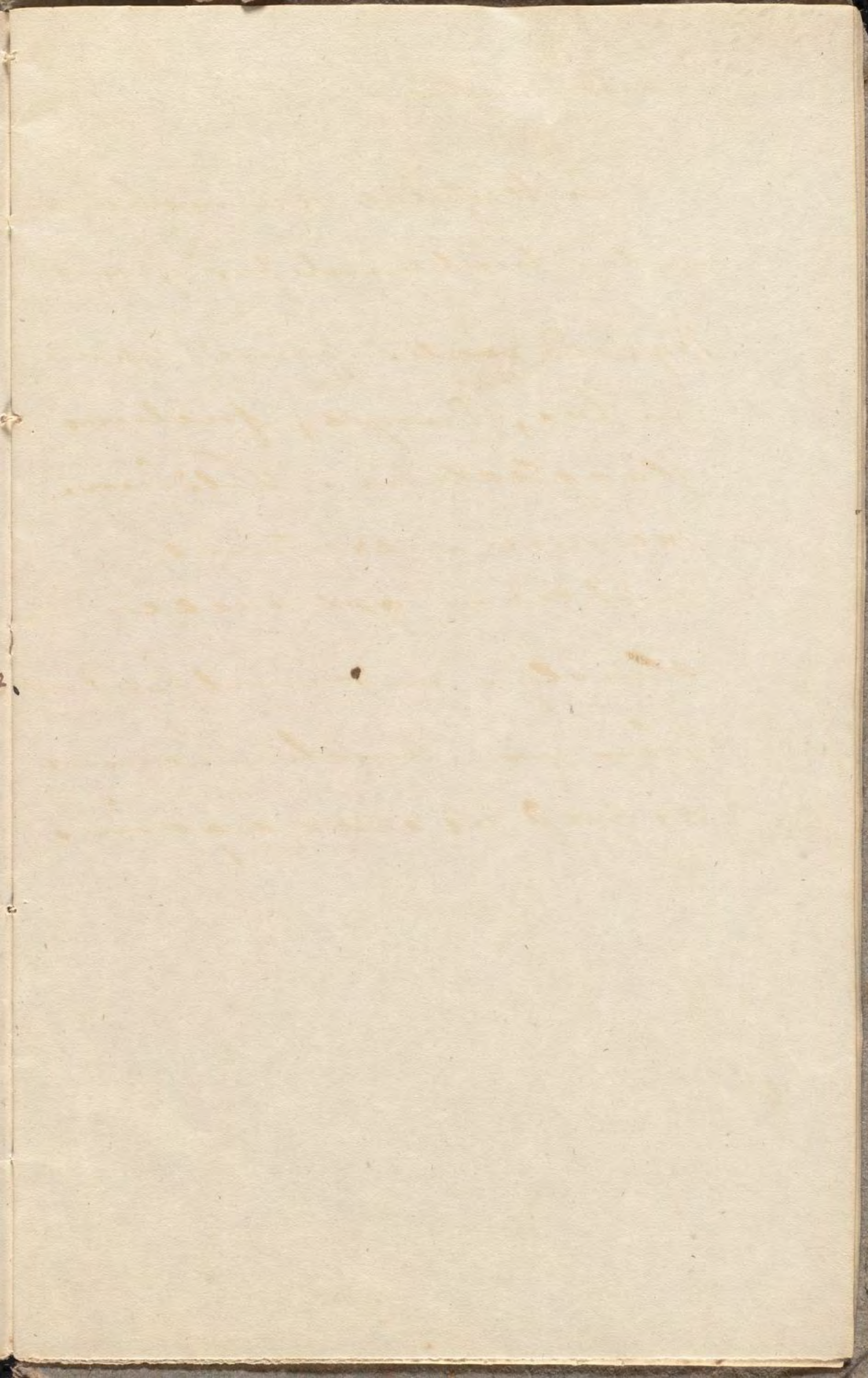
9 — also almost well.

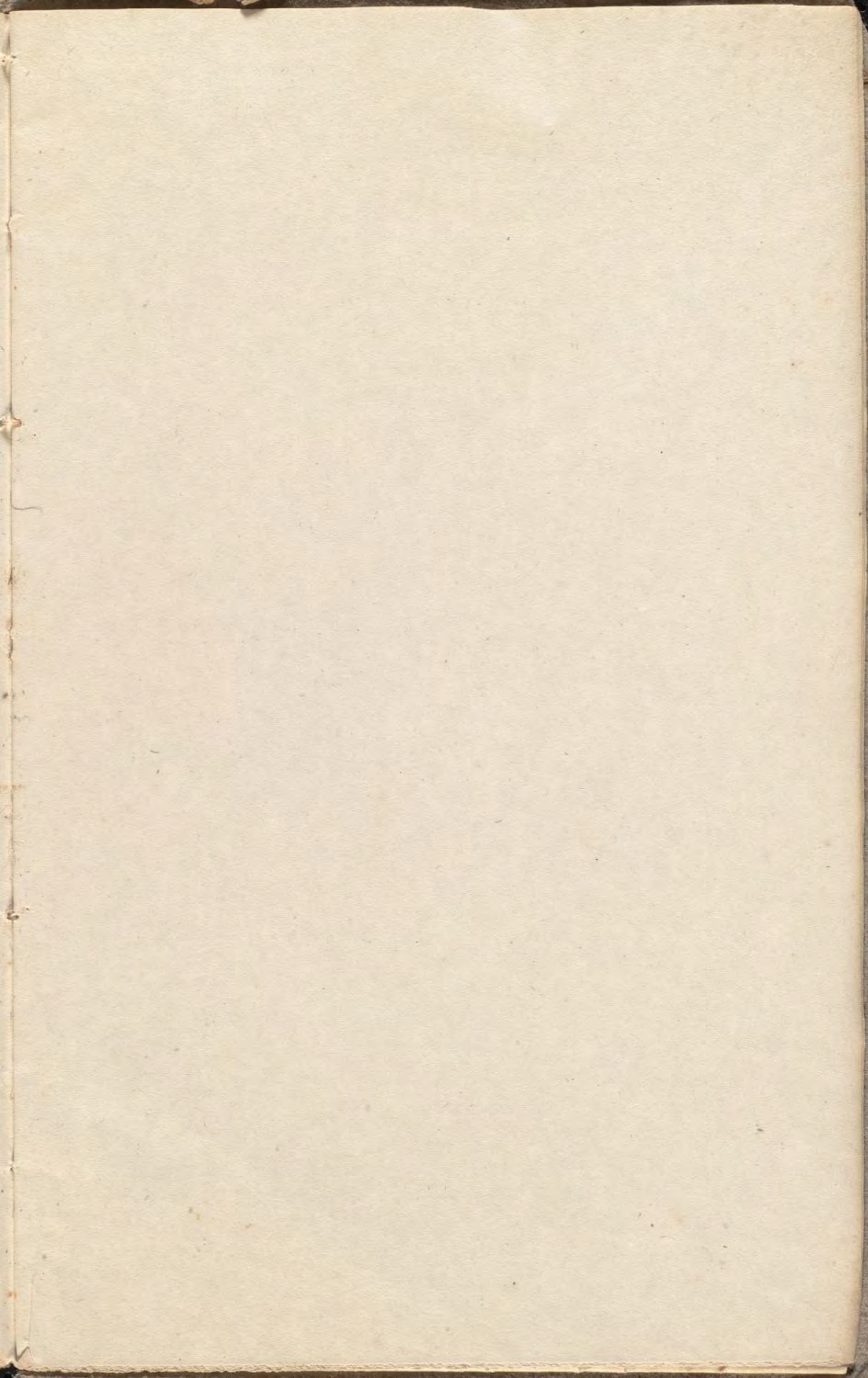
James Chester —

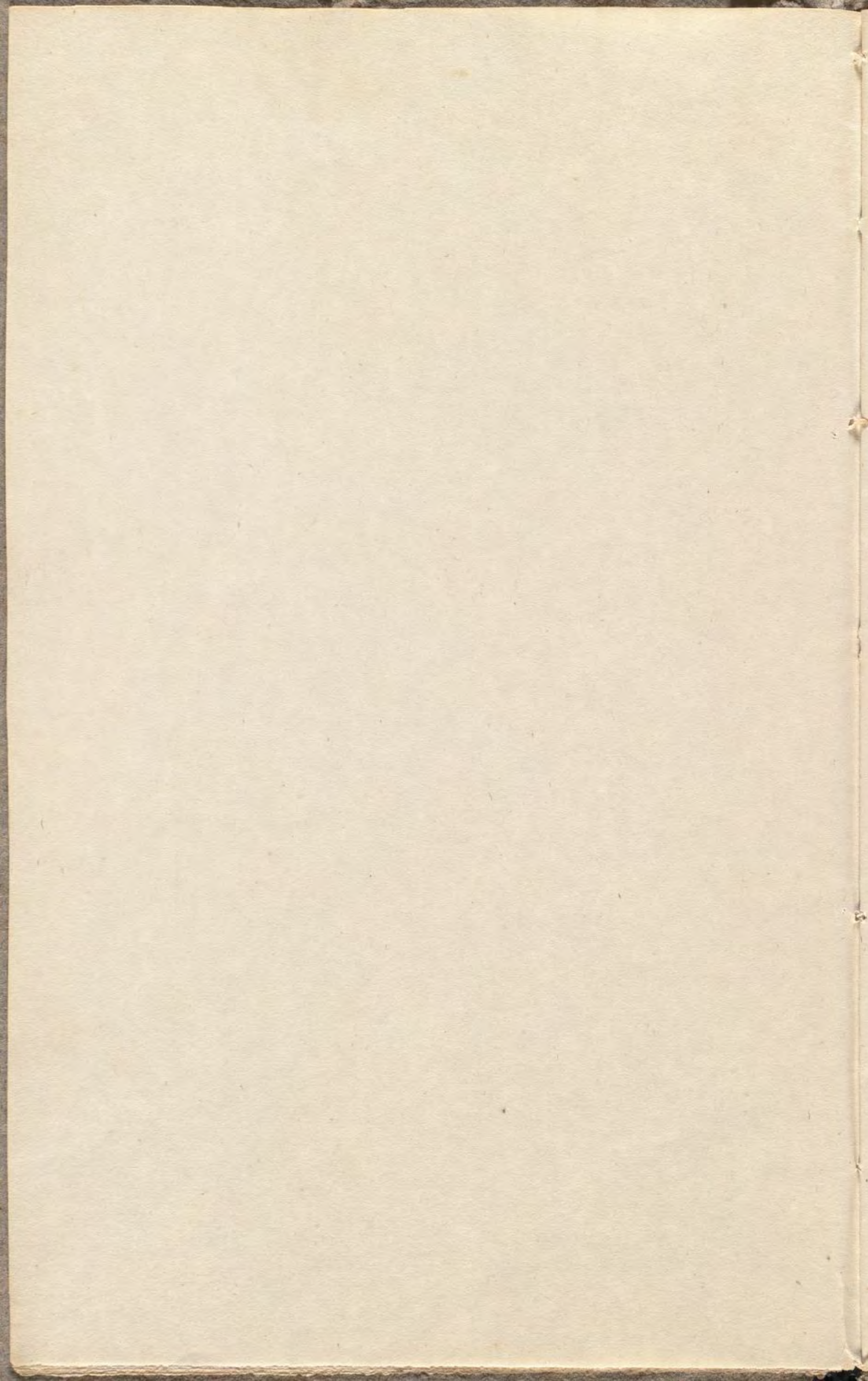
In Hospital d'Almshuus
under treatment for years

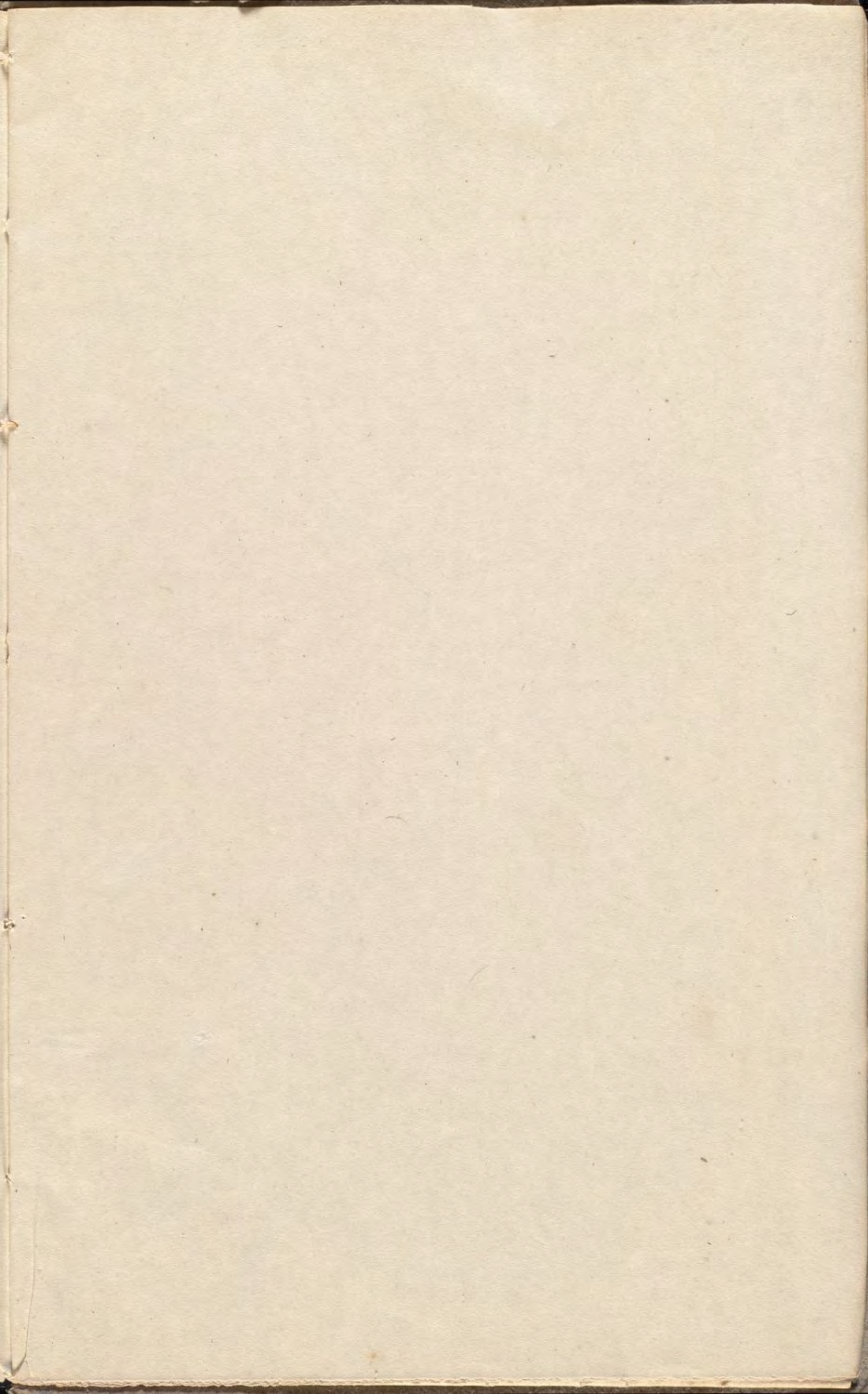
By cold water poured upon
his toes, Punges, frictions
flagellation. Valerian:
exercise — exertion of
muscles — got well

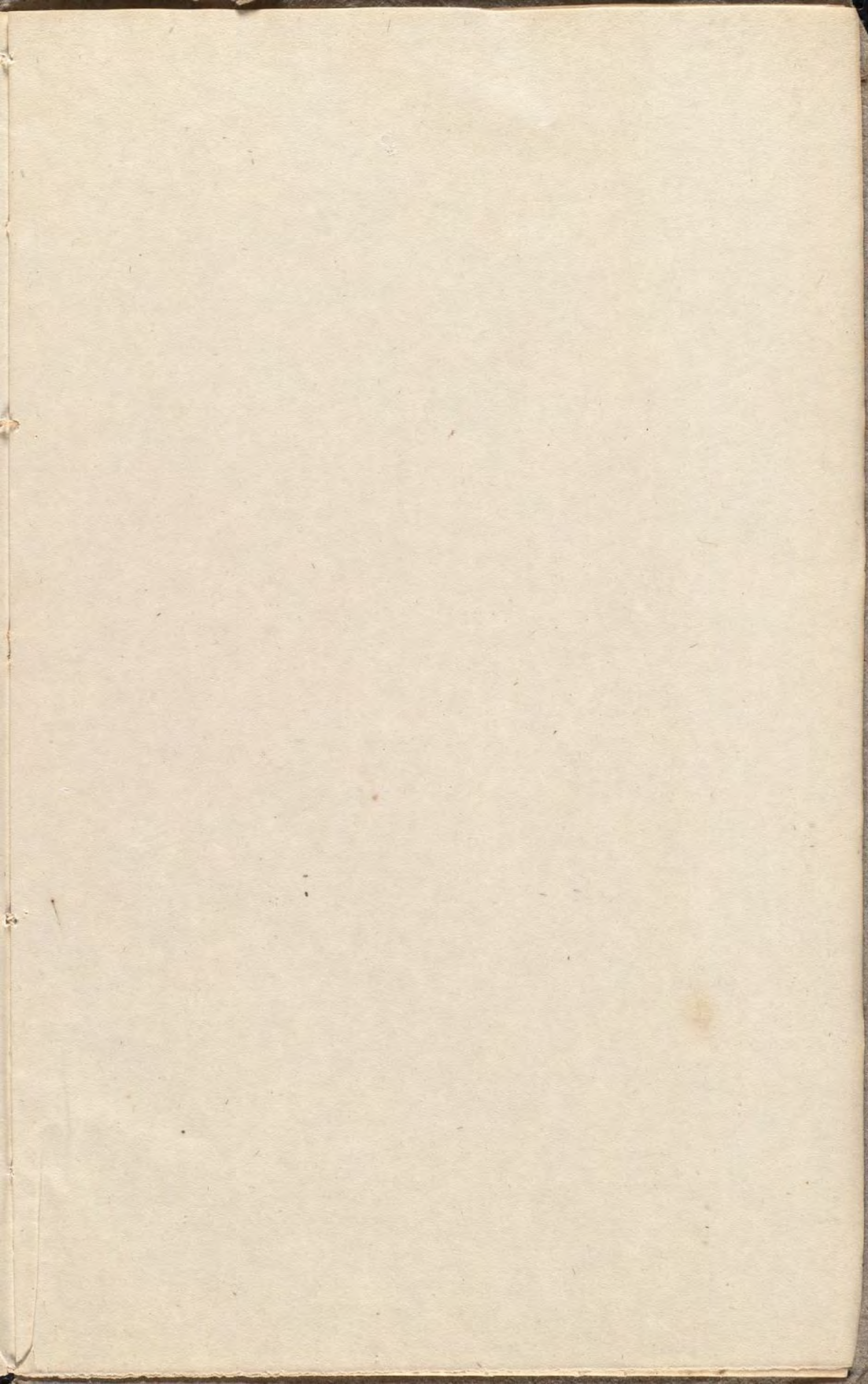
slowly — and walked out
then in March became
as well as ever again.

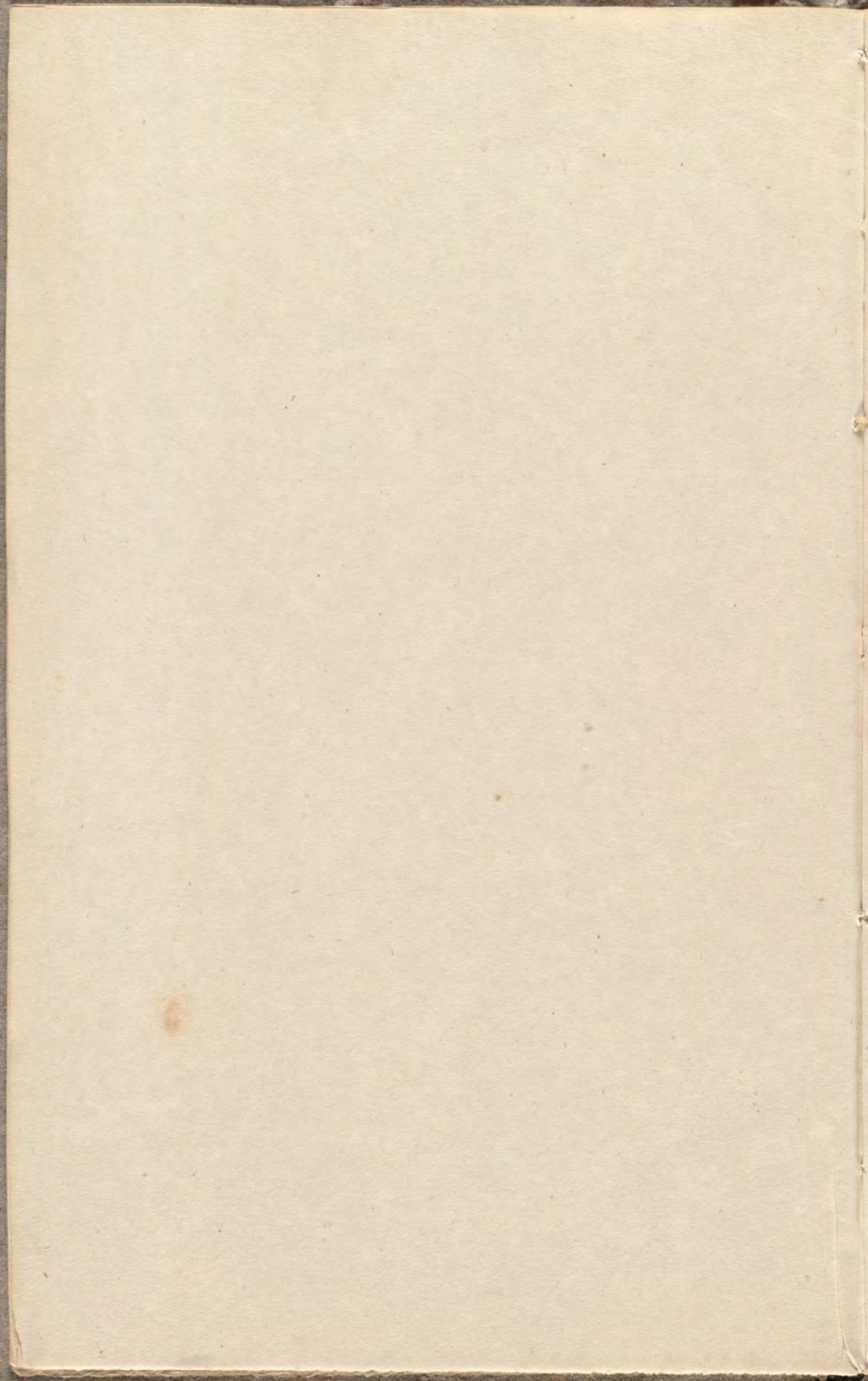


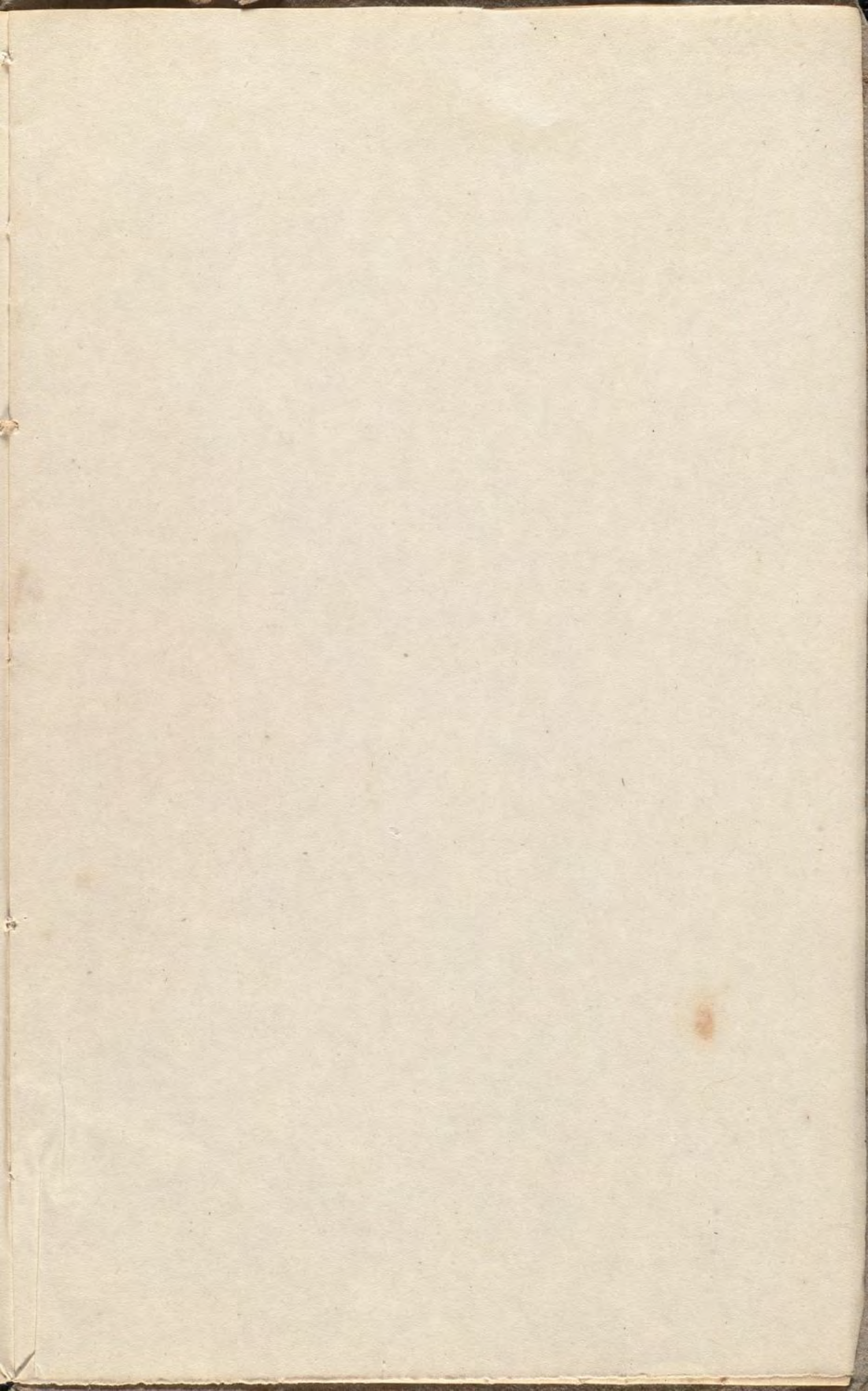


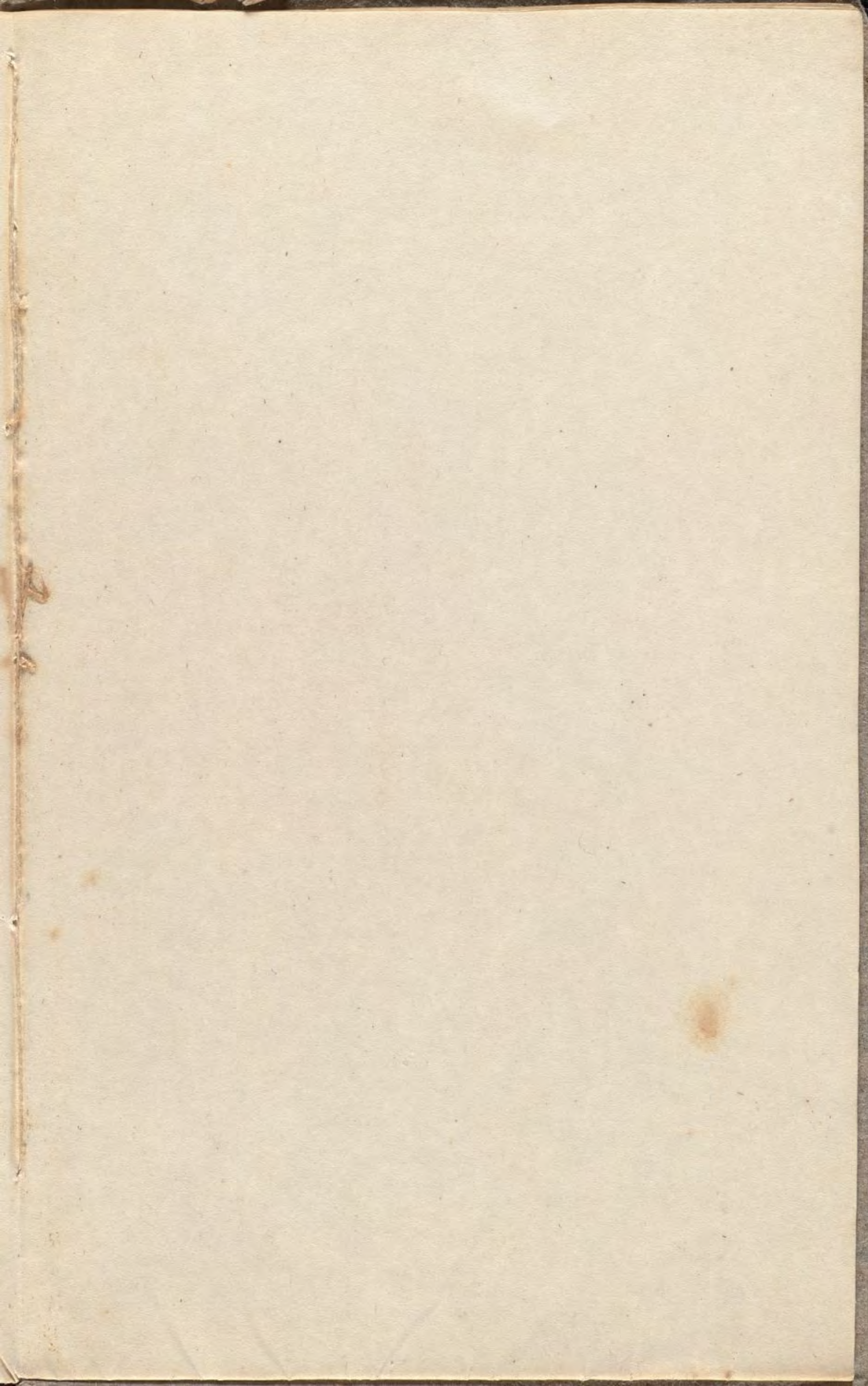








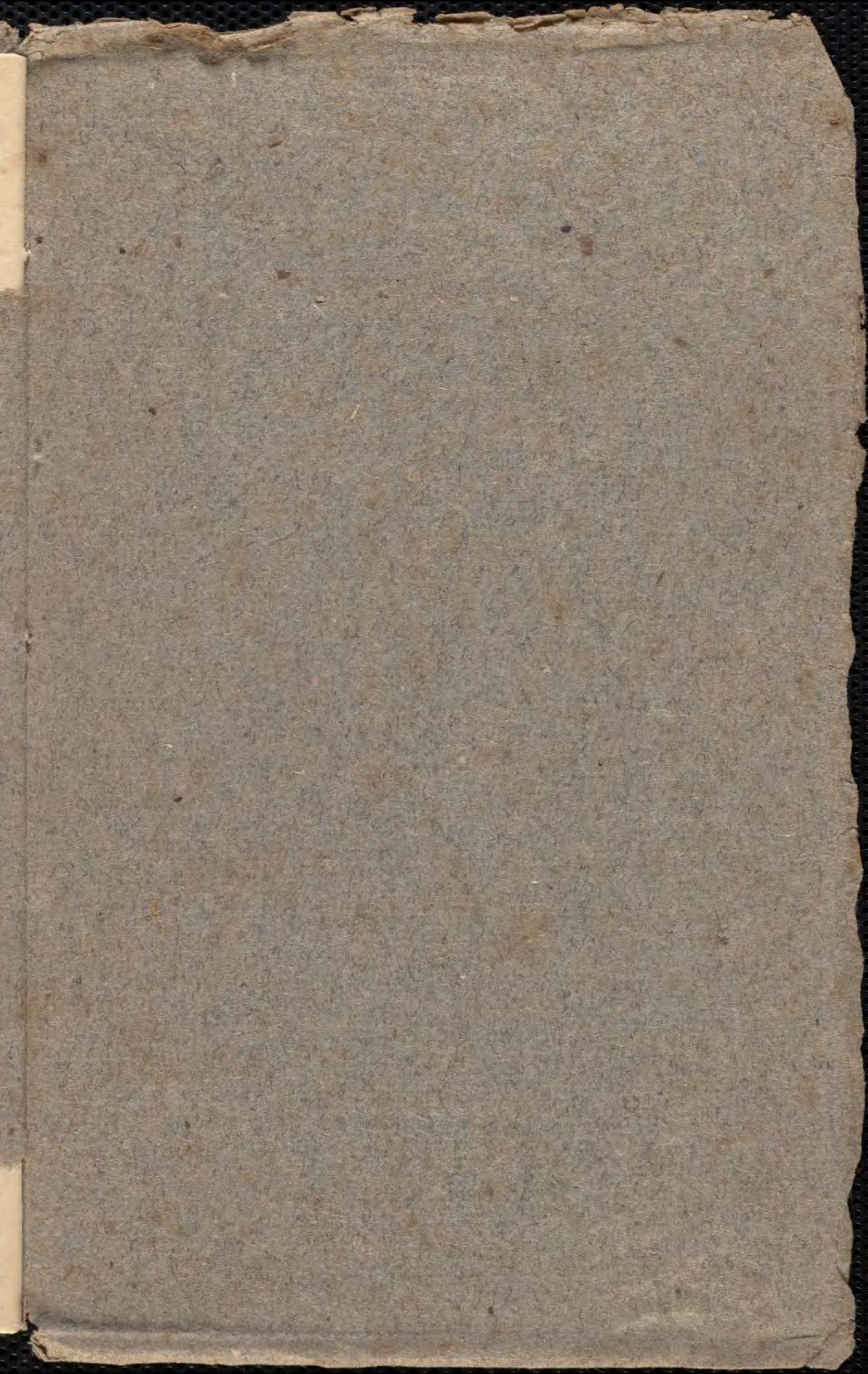












Paralytic