

-ation; dead reckoning; reckoning &c. (*numeration*) 85; gauging &c. *v.*

Metrology, weights and measures, compound arithmetic.

measure, yard measure, standard, rule, foot-rule, compass, callipers; gage, gauge; meter, line, rod, check.

flood -, high water-mark; index &c. 550.

scale; gradu-ation, -ated scale; nonius; vernier &c. (*minuteness*) 193; thermo(*heat* &c. 382)-, baro(*air* &c. 338)-, gonio(*angle* 244)-meter; landmark &c. (*limit*) 233; balance &c. (*weight*) 319.

coordinates, ordinate and *abscissa*, polar coordinates, latitude and longitude, declination and right ascension, altitude and azimuth.

Geo-, Stereo-, Hypso-metry; metage; surveying, land surveying; Geo-desy, -detics, -desia; ortho-, alti-metry; *cadastre*.

astrolabe, armillary sphere.

land-surveyor; geometer.

V. measure, mete; value, assess, rate, appraise, estimate, form an estimate, set a value on; appreciate.

span, pace, step; apply the -compass &c. *n.*; gauge, plumb, probe, sound, fathom; heave the -log, - lead; survey.

take an average &c. 29; graduate.

Adj. measuring &c. *v.*; metric, -al; measurable; geodetical.

Section III. MATERIALS FOR REASONING.

467. Evidence [on one side.]—*N.* evidence; facts, premises, *data*, *præ-cognita*, grounds.

indication &c. 550; criterion &c. (*test*) 463.

testi-mony, -fication; attestation; deposition &c. (*affirmation*) 535; examination.

admission &c. (*assent*) 488; authority, warrant, credential, diploma, voucher, certificate, doquet, docket; record &c. 551; document; *pièce justificative*; deed, warranty, &c. (*security*) 771; signature, seal, &c. (*identification*) 550.

witness, indicator; eye-, ear-witness; deponent; sponsor.

oral -, documentary -, hearsay -, external -, extrinsic -, internal -, intrinsic -, circumstantial -, cumulative -, *ex parte* -, presumptive -, collateral -, constructive-evidence; proof &c. (*demonstration*) 478; evidence in chief.

secondary evidence; confirmation, corroboration, support; ratification &c. (*assent*) 488; authentication; compurgation, wager of law, comprobation.

V. be -evidence &c. *n.*; evince, show, betoken, tell of; indicate &c. (*denote*) 550; imply, involve, argue, bespeak, breathe.

have -, carry-weight; tell, speak vo-

132

468. [Evidence on the other side, on the other hand.] **Counter-evidence.**—*N.* counter-evidence; evidence on the other -side, - hand; disproof; refutation &c. 479; negation &c. 536; conflicting evidence.

plea &c. 617; vindication &c. 937; counter-protest; *tu quoque* argument; other side -, reverse- of the shield.

V. countervail, oppose; rebut &c. (*refute*) 479; subvert &c. (*destroy*) 162; check, weaken; contravene; contradict &c. (*deny*) 536; tell another story, turn the scale, alter the case cut both ways; prove a negative.

audire alteram partem.

Adj. countervailing &c. *v.*; contradictory.

un-attested, -authenticated, -supported by evidence.

Adv. *per contra*.

469. Qualification.—*N.* qualification. limitation, modification, colouring.

allowance, grains of allowance, consideration, extenuating circumstances.

condition, proviso, exception; exemption; salvo, saving clause; discount &c. 813.

V. qualify, limit, modify, leaven, give a colour to, introduce new conditions.

lumes; speak for itself &c. *manifest* 525.

rest -, depend-upon; repose on.

bear -witness &c. *n.*; give -evidence &c. *n.*; testify, depose, witness, vouch for; sign, seal, undersign, set one's hand and seal, sign and seal, deliver as one's act and deed, certify, attest; acknowledge &c. (*assent*) 488.

make absolute, confirm, ratify, corroborate, endorse, countersign, support, bear out, uphold, warrant.

adduce, attest, cite, quote; refer -, appeal- to; call, - to witness; bring-forward, - into court; allege, plead; produce -, confront-witnesses; collect -, bring together -, rake up-evidence.

have -, make out- a case; establish, authenticate, substantiate, verify, make good, quote chapter and verse; bring-home to, - to book.

Adj. showing &c. *v.*; indica-tive, -tory; deducible &c. 478; grounded -, founded -, based-on; corroborative, confirmatory.

Adv. by inference; according to, witness, *a fortiori*; still -more, -less; *raison de plus*; in corroboration &c. *n.* of; *valeat quantum*; under-seal, - one's hand and seal.

Degrees of Evidence.

470. Possibility.—*N.* possibility, potentiality; what-may be, - is possible &c. *adj.*; compatibility &c. (*agreement*) 23.

practicability, feasibility; practicable-ness &c. *adj.*

contingency, chance, &c. 156.

V. be -possible &c. *adj.*; stand a chance; admit of, bear.

render -possible &c. *adj.*; put in the way of.

Adj. possible; on the -cards, - dice; *in posse*, within the bounds of possibility, conceivable, credible; compatible &c. 23.

practicable, feasible, performable, achievable, within reach, accessible, superable, surmountable; at-, ob-tainable; contingent &c. (*doubtful*) 475.

Adv. possibly, by possibility; perhaps, -chance, -adventure; may be, haply, mayhap.

if possible, wind and weather permitting; God willing, *Deo volente*, D.V.

allow -, make allowance- for; admit exceptions, take into account.

take exception.

Adj. qualifying &c. *v.*; conditional; exceptional &c. (*unconformable*) 83.

hypothetical &c. (*supposed*) 514; contingent &c. (*uncertain*) 475.

Adv. provided, - always; if, unless, but, yet; according as; conditionally, admitting, supposing; on the supposition of &c. (*theoretically*) 514; with the understanding, even, although, though, for all that, after all, at all events.

with grains of allowance, *cum grano salis*; *exceptis excipiendis*; wind and weather permitting; if possible &c. 470.

subject to; with this-proviso &c. *n.*

471. Impossibility.—*N.* impossibility &c. *adj.*; what-cannot, - can never-be; sour grapes; hopelessness &c. 859.

V. be -impossible &c. *adj.*; have no chance whatever.

attempt impossibilities; square the circle, wash a blackamoor white; skin a flint; make -a silk purse out of a sow's ear, - bricks without straw; have nothing to go upon; weave a rope of sand, build castles in the air, *prendre la lune avec les dents*, extract sunbeams from cucumbers, set the Thames on fire, milk a he-goat into a sieve, catch a weasel asleep, *rompre l'anguille au genou*, be in two places at once.

Adj. impossible; not -possible &c. 470; absurd, contrary to reason; unreasonable &c. 477; incredible &c. 485; beyond the bounds of -reason, - possibility; from which reason recoils; visionary; inconceivable &c. (*improbable*) 473; prodigious &c. (*wonderful*) 870; un-, in-imaginable.

impracticable, unachievable; un-, in-feasible; insuperable; un-, in-surmount-

able; unat-, unobtainable; out of -reach, - the question; not to be -had, - thought of; beyond control; desperate &c. (*hop-less*) 859; incompatible &c. 24; inaccessible, uncomeatable, impassable, imperious, innavigable, inextricable.
out of -, beyond- one's -power, - depth, - reach, - grasp; too much for; *ultra crepidam*.

Phr. the grapes are sour; *non possumus*; *non nostrum tantas componere lites*.

472. Probability.—**N.** probability, likelihood; likeliness &c. *adj.* *vraisemblance*, verisimilitude, plausibility; colour, semblance, show of; presumption; presumptive-, circumstantial-evidence; credibility.

reasonable -, fair -, good -, favourable-chance, - prospect; prospect, well-grounded hope; chance &c. 156.

V. be -probable &c. *adj.*; give -, lend-colour to; point to; imply &c. (*evidence*) 467; bid fair &c. (*promise*) 511; stand fair for; stand -, run- a good chance.

think likely, dare say, flatter oneself; expect &c. 507; count upon &c. (*believe*) 484.

Adj. probable, likely, hopeful, to be expected, in a fair way. plausible, specious, ostensible, colourable, *ben trovato*, well-founded, reasonable, credible, easy of belief, presumable, presumptive, apparent.

Adv. probably &c. *adj.*: believe; in all -probability, - likelihood; very -, most- likely; like enough; ten &c. to one; apparently, seemingly, according to every reasonable expectation; *prima facie*; to all appearance &c. (*to the eye*) 448.

Phr. the -chances, - odds- are; appearances -, chances- are in favour of; there is reason to -believe, - think, - expect; I dare say; all Lombard Street to a China orange.

474. Certainty.—**N.** certainty; necessity &c. 601; certitude, surety, assurance; dead -, moral- certainty; infallibility &c. *adj.*; infallibility, reliability.

gospel, scripture, church, pope, court of final appeal; *res judicata*, *ultimatum*. positiveness; dogmat-ism, -ist, -izer; *doctrinaire*, bigot, opinionist, Sir Oracle; *ipse dixit*.

fact; positive -, matter of- fact; *fait accompli*.

V. be -certain &c. *adj.*; stand to reason.

render -certain &c. *adj.*; in-, en-, assure; clinch, make sure; determine, decide, set at rest, 'make assurance double sure'; know &c. (*believe*) 484.

dogmatize, lay down the law.

Adj. certain, sure; assured &c. *v.*; solid, well founded.

473. Improbability.—**N.** improbability, unlikelihood; unfavourable -, bad -, little -, small -, poor -, scarcely any -, no- chance; bare possibility; long odds; incredibility &c. 485.

V. be -improbable &c. *adj.*; have a -small chance &c. *n.*

Adj. improbable, unlikely, contrary to all reasonable expectation.

rare &c. (*infrequent*) 137; unheard of, inconceivable; un-, in-imaginable; incredible &c. 485; more than doubtful.

Phr. the chances are against.

to be expected, in a fair way.

plausible, specious, ostensible, colourable, *ben trovato*, well-founded, reasonable, credible, easy of belief, presumable, presumptive, apparent.

Adv. probably &c. *adj.*: believe; in all -probability, - likelihood; very -, most- likely; like enough; ten &c. to one; apparently, seemingly, according to every reasonable expectation; *prima facie*; to all appearance &c. (*to the eye*) 448.

Phr. the -chances, - odds- are; appearances -, chances- are in favour of; there is reason to -believe, - think, - expect; I dare say; all Lombard Street to a China orange.

475. Uncertainty.—**N.** uncertainty, incertitude, doubt; doubtfulness &c. *adj.*; dubi-ety, -tation, -tancy, -ousness.

hesitation, suspense; perplexity, embarrassment, dilemma, bewilderment; timidity &c. (*fear*) 860; vacillation &c. 605; *diaporesis*, indetermination.

vagueness &c. *adj.*; haze, fog; obscurity &c. (*darkness*) 421; ambiguity &c. (*double meaning*) 520; contingency, double contingency, possibility upon a possibility; open question &c. (*question*) 461; *onus probandi*; blind bargain, pig in a poke, leap in the dark, something or other; needle in a bottle of hay.

precariousness &c. *adj.*; fallibility.

V. be -uncertain &c. *adj.*; wonder whether.

lose the -clue, - clew, - scent; miss one's way.

unqualified, absolute, positive, determinate, definite, clear, unequivocal, categorical, unmistakable, decisive, decided, ascertained.

inevitable, unavoidable, avoidless.

unerring, infallible; unchangeable &c. 150; to be depended on, trustworthy, reliable.

un-impeachable, -deniable, -questionable; in-disputable, -contestable, -controvertible, -dubitable; irrefutable &c. (*proven*) 478; conclusive, without power of appeal.

indubious; without -, beyond a -without a shade or shadow of -doubt, - question; past dispute; beyond all -question, - dispute; un-doubted, -contested, -questioned, -disputed; question-, doubt-less.

authoritative, authentic, official.

sure as -fate, - death and taxes, - a gun. evident, self-evident, axiomatic; clear, - as day, - as the sun at noonday.

Adv. certainly &c. *adj.*; for certain, certes, sure, no doubt, doubtless, and no mistake, *flagrante delicto*, sure enough, to be sure, of course, as a matter of course, *a coup sur*, to a certainty; in truth &c. (*truly*) 494; at -any rate, - all events; without fail; *coûte -que coûte*, - *qu'il coûte*; whatever may happen, if the worst come to the worst; come -, happen-what -may, - will; sink or swim.

Phr. *cela va sans dire*; there is -no question, - not a shadow of doubt; the die is cast &c. (*necessity*) 601.

-a *nonplus*; puzzled &c. *v.*; lost, abroad, *désorienté*; dis-tracted, -traught.

Adv. *pendente lite*.

Phr. Heaven knows: who can tell? who shall decide when doctors disagree?

Section IV. REASONING PROCESSES.

476. Reasoning.—**N.** reasoning; ratiocination, -nalism; dialectics, induction, generalization.

discussion, comment; ventilation; inquiry &c. 461.

argumentation, controversy, debate; polemics, wrangling; contention &c. 720; logomachy; dis-putation, -ception; paper war.

art of reasoning, logic.

not know -what to make of &c. (*unintelligibility*) 519, - which way to turn, - whether one stands on one's head or one's heels; float in a sea of doubt, hesitate, flounder; lose -oneself, - one's head; muddle one's brains.

render -uncertain &c. *adj.*; put out, pose, puzzle, perplex, embarrass; confuse, -found; bewilder, bother, moilder, throw off the scent; *ambiguus in vulgus spargere voces*; keep in suspense.

doubt &c. (*disbelieve*) 485; hang -, tremble- in the balance; depend.

Adj. uncertain; casual; random &c. (*aimless*) 621; changeable &c. 149.

doubtful, dubious; indecisive; unsettled, -decided, -determined; in suspense, open to discussion; controvertible; in question &c. (*inquiry*) 461.

vague; in-determinate, -definite; ambiguous, equivocal; undefin-ed, -able; confused &c. (*indistinct*) 447; mystic, oracular.

perplexing &c. *v.*; enigmatic, paradoxical, apocryphal, problematical, hypothetical; experimental &c. 463.

fallible, questionable, precarious, slippery, ticklish, debatable; un-reliable, -trustworthy.

contingent, - on, dependent on; subject to; dependent on circumstances; occasional; provisional.

unauth-entic, -enticated, -oritative; un-ascertained, -confirmed; undemonstrated; un-told, -counted.

in a -state of uncertainty, - cloud, - maze; ignorant &c. 491; afraid to say; out of one's reckoning, astray, adrift; at -sea, - fault, - a loss, - one's wit's end.

-a *nonplus*; puzzled &c. *v.*; lost, abroad, *désorienté*; dis-tracted, -traught.

Adv. *pendente lite*.

Phr. Heaven knows: who can tell? who shall decide when doctors disagree?

477. [The absence of reasoning.]

Intuition. [False or vicious reasoning; show of reason.]

Sophistry.—**N.** intuition, instinct, association; presentiment; rule of thumb.

sophistry, paralogy, perversion, casuistry, jesuitry, equivocation, evasion; chicanery; quiddity; mystification; special pleading; speciousness &c. *adj.*; nonsense &c. 497.

process -, train -, chain-of reasoning; de-, in-duction; synthesis, analysis.

argument; case, *plaidoyer*, opening; *lemma*, proposition, terms, premises, postulate, *data*, starting point, principle; inference &c. (*judgment*) 480.

pro-, syllogism; enthymeme, sorites, dilemma, *perilepsis*, *a priori* reasoning, *reductio ad absurdum* horns of a dilemma, *argumentum ad hominem*, comprehensive argument.

reasoner, logician, dialectician; disputant; controver-sialist, -tist; wrangler, arguer, debater, polemic, casuist, rationalist; scientist.

logical sequence; good case; correct -, just -, sound -, valid -, cogent -, logical -, forcible -, persuasive -, persuasory -, consecratory -, conclusive &c. 478 -; subtle-reasoning; force of argument; strong-point, -argument.

arguments, reasons, pros and cons.

V. reason, argue, discuss, debate, dispute, wrangle; bandy-words, -arguments; chop logic; hold -, carry on-an argument; controvert &c. (*deny*) 536; canvass; comment -, moralize-upon; spiritualize; consider &c. (*examine*) 461.

open a -discussion, -case; try conclusions; join -, be at-issue; moot; come to the point; stir -, agitate -, ventilate -, torture-a question; take up a-side, -case.

contend, take one's stand upon, insist, lay stress on; infer &c. 480.

follow from &c. (*demonstration*) 478.

Adj. reasoning &c. *v.*; rationalistic; argumentative, controver-sial, dialectic, polemical; discurs-ory, -ive; disputatious.

debatable, controvertible, logical; relevant &c. 23.

Adv. for, because, hence, whence, seeing that, since, sith, then, thence, so; for-that, -this, -which-reason; for-, inasmuch as; whereas, *ex concessio*, considering, in consideration of; there-, where-fore; consequently, *ergo*, thus, accordingly; *a fortiori*.

in-conclusion, -fine; finally, after all, *au bout du compte*, on the whole, taking one thing with another.

478. Demonstration.—**N.** de-

false -, vicious-reasoning; *petitio principii*, *ignoratio denchi*; *post hoc ergo propter hoc*; *non sequitur*, *ignotum per ignotius*.

misjudgment &c. 481; false teaching &c. 538.

sophism, solecism, paralogism; quibble, quirk, *elenchus*, *elench*, fallacy, *quodlibet*, subterfuge, subtlety, quillet; inconsistency, antilogy; 'a mockery a delusion and a snare'; claptrap, mere words; 'lame and impotent conclusion' meshes -, cobwebs-of sophistry; flaw in an argument; weak point, bad case. over-refinement; hair-splitting &c. *v.*

V. judge-intuitively, -by intuition; hazard a proposition, talk at random.

reason-ill, -falsely &c. *adj.*; misjudge &c. 481.

pervert, quibble; equivocate, mystify, evade, elude; gloss over, varnish; mis-teach &c. 538; mislead &c. (*error*) 495; cavil, refine, subtilize, split hairs; misrepresent &c. (*lie*) 544.

beg the question, reason in a circle, cut blocks with a razor, beat about the bush, play fast and loose, blow hot and cold, prove that black is white and white black, travel out of the record, *parler à tort et à travers*, put oneself out of court, not have a leg to stand on.

Adj. intuitive, instinctive, impulsive; independent of -, anterior to-reason; gratuitous, hazarded; unconnected.

unreasonable, illogical, false, unsound, invalid; unwarranted, not following; inconsequent, -ial; inconsistent; absurd, -ant; unscientific; untenable, inconclusive, incorrect; fall-acious, -ible; groundless, unproved.

deceptive, sophistical, jesuitical; illusive, -ory; specious, plausible, *ad captandam*, evasive; irrelevant &c. 10.

weak, feeble, poor, flimsy, loose, vague, irrational; nonsensical &c. (*absurd*) 497; foolish &c. (*imbecile*) 499; frivolous, pettifogging, quibbling; fine-spun, over-refined.

at the end of one's tether, *au bout de son latin*.

Adv. intuitively &c. *adj.*; by intuition; illogically &c. *adj.*

Phr. *non constat*; that goes for nothing.

479. Confutation.—**N.** con-, re-

monstration, proof; conclusiveness &c. *adj.*; *apodixis*, probation, comprobation. logic of facts &c. (*evidence*) 467; *experientium crucis* &c. (*test*) 463; argument &c. 476.

V. demonstrate, prove, establish, make good; show; evince &c. (*be evidence of*) 467; verify &c. 467; settle the question, reduce to demonstration, set the question at rest.

make out, -a case; prove one's point, have the best of the argument; draw a conclusion &c. (*judge*) 480.

follow, -of course; stand to reason; hold -good, -water.

Adj. demonstra-ting &c. *v.*, -tive, -ble; probative, unanswerable, conclusive; apodictic, -al; irre-sistible, -futable, -fragable.

categorical, decisive, crucial. demonstrated &c. *v.*; proven; un-con-futed. -answered. -refuted; evident &c. 474.

deducible, consequential, consecratory, inferential, following.

Adv. of course, in consequence, con-sequently, as a matter of course.

Phr. *probatum est*; there is nothing more to be said, Q.E.D., it must follow.

Section V. RESULTS OF REASONING.

480. Judgment. [Conclusion.]

—**N.** result, conclusion, upshot; induction, inference, ergotism. illusion; collateral, porism; moral.

estimation, valuation, appreciation, judication; di-, ad-judication; arbitrament, -ement, -ation: assessment, ponderation.

award, estimate; review. criticism, *critique*, notice, report.

decision, determination, judgment, finding, verdict, sentence, decree; *res judicata*.

plébiscite, voice, casting votes; vote &c. (*choice*) 609; opinion &c. (*belief*) 484; good judgment &c. (*wisdom*) 498.

judge, umpire; arbi-ter, -trator; as-sessor, referee; censor, reviewer, critic; *connaisseur*; commentator &c. 524; in-spector, inspecting officer.

V. judge, conclude; come to -, draw -, arrive at-a conclusion; ascertain, determine, make up one's mind.

deduce, derive, gather, collect, draw an inference, make a deduction, weed, ween.

futation; answer, complete answer; dis-proof, conviction, redargution, invalidation; expos-ure, -ition; clincher; retort; *reductio ad absurdum*; knock down -, *tu quoque*-argument.

V. con-, re-fute; parry, negative, dis-prove, redargue, expose, show the fallacy of, rebut, defeat; demolish &c. (*destroy*) 162; over-throw, -turn; scatter to the winds, explode, invalidate; silence; put -, reduce-to silence; clinch -an argu-ment, -a question; give one a set down; stop the mouth, shut up; have, -on the hip.

not leave a leg to stand on, cut the ground from under one's feet.

be confuted &c.; fail; expose -, show-one's weak point.

Adj. confut-ing, -ed, &c. *v.*; capable of refutation; re-, con-futable.

condemned -on one's own showing, -out of one's own mouth.

Phr. the argument falls to the ground, *cadit questio*, it does not hold water, 'suo sibi gladio hunc jugulo.'

480a. [Result of search or inquiry.]

Discovery.—**N.** discovery, detection, disenchantment.

trover &c. 775.

V. discover, find, determine, evolve; fix upon; find -, trace -, make -, hunt -, fish -, worm -, ferret -, root-out; fa-athom; bring -, draw-out; educe, elicit, bring to light; dig -, grub -, fish-up; unearth, disinter.

solve, resolve; un-riddle, ravel, -lock; pick -, open-the lock; find a -clue, -clew- to; interpret &c. 522; disclose &c. 529.

trace, get at; hit it, have it; lay one's-finger, -hands-upon; get -, arrive-at the -truth &c. 494; put the saddle on the right horse, hit the right nail on the head.

be near the truth, burn; smoke, scent, sniff, smell a rat.

open the eyes to; see-through, -day-light, -in its true colours, -the cloven foot; detect; catch, -tripping;

pitch -, fall -, light -, hit -, stumble