are multiplied the observed ratio will indefi- from which to proceed to the consideration of nitely approximate to the true ratio. This the effects of different complications. Owing sort of induction, therefore, has no other to the necessity of making theories far more validity than such as belongs to a hypothesis simple than the real facts, we are obliged to which suits the facts as far as we yet know be cautious in accepting any extreme consethem. If it is to be called an induction, it quences of them, and to be also upon our is a degenerate induction differing very little guard against apparent refutations of them from hypothesis. It may properly be said, based upon such extreme consequences. then, that even a pure mathematical theory

is developed out of hypotheses. engineers of all kinds. The most extraordi- what he cannot help; and, like other idle and nary departure from the known facts occurs unamiable practices, it is also highly perniwhen hydrodynamics is applied, where the cious. Now all the subconscious work of the theory is in striking opposition to facts which intellect in framing a percept and a percepobtrude themselves upon every spectator of tual judgment is beyond our control, and case, the theory is not useless.

political economy. Here the sane method is If the percepts were proved not to square with to begin by considering persons placed in the impressions of sense, it would not at all situations of extreme simplicity, in the utmost be the percepts that would have to be reformed, contrast to those of all human society, and for they cannot be reformed; it would be, on animated by motives and by reasoning powers the contrary, that theory, that the percepts are equally unlike those of real men. Neverthe- constructed out of impressions of sense, that less, in this way alone can a base be obtained would have to be modified.

Whewell makes a great point of the relativity of the distinction between theory and No theory in the positive sciences can be fact. This is an important point that ought supposed to satisfy every feature of the facts. not to be overlooked. Every fact involves an Although we know that the law of gravitation element supplied by the mind, which if not, is one of the most perfect of theories, yet still, properly speaking, theory, is analogous to if bodies were to attract one another inversely theory. On the other hand, serious errors of as a power of the distance whose exponent logic will result from not taking account of were not 2, but 2.000001, the only observable the difference between the intellectual eleeffect would be a very slow rotation of the ments already involved in the perceptual line of apsides of each planet. Now the lines facts and scientific theories. A theory is a of apsides all do rotate in consequence of result subject to criticism, meaning by critiperturbations, which virtually do alter slightly cism, not the consideration of whether or the sun's attraction, and thus such an effect how far an object is beautiful, useful, or the would probably only produce slight discrepan- like, but the passing of a judgment as to cies in the values obtained for the masses of whether the object ought to be as it is or as the planets. In very many cases, especially it is proposed to make it. If this judgment in practical problems, we deliberately go upon is adverse, the theory can and will be altered; theories which we know are not exactly true, and it will not be maintained by anybody but which have the advantage of a simplicity until it is put into a shape to withstand his which enables us to deduce their consequences. criticism. But it is perfectly idle, in this This is true of almost every theory used by sense of the word, for anybody to criticize moving water. Nevertheless, even in this therefore not subject to logical criticism. It simply has to be accepted. Kant, perhaps, In all the explanatory sciences theories far did not sufficiently appreciate this when he more simple than the real facts are of the undertook to study the critic of such mental utmost service in enabling us to analyse the forms as space, time, unity, reality, &c.; but, phenomena, and it may truly be said that after all, his deduction of the categories is physics could not possibly deal even with its merely in outcome that knowledge cannot be relatively simple facts without such analytic had on other terms; that is, that they are procedure. Thus, the kinetical theory of gases, inevitable. Perceptual judgments, therefore, when first propounded, was obliged to assume are, for the purposes of logical criticism, absothat all the molecules were elastic spheres, lute facts without any admixture of theory. If which nobody could believe to be true. If a theory does not square with perceptual facts it this is necessary even in physics, it is far must be changed. But the impressions of sense more indispensable in every other science, and from which it is supposed that the percepts most of all in the moral sciences, such as have been constructed are matters of theory. (C.S.P., C.L.F.)

Theory of Knowledge: see Epistemo-

dom]: Ger. Theosophie; Fr. théosophie; Ital. Jurisprudence, chap. viii. 85). Simple thing: teosofia. (1) A stage into which philosophic one that can be comprehended, externally, by reflection passes when its primary data are a single act of recognition, e. g. a horse. Com-

from the postulate of a divine principle de- tual things: those not material, e.g. an obligaduces the fundamental law of things, a vibra- tion, a copyright. Divisible things: things tory movement of evolution and involution, divisible without destroying their essential the application of which in the sphere of character or value. A house or horse cannot psychic life leads to the process of perpetual be thus divided; a pair of horses or block of reincarnation.

thinking is theosophic. Modern thought first a thing not in the possession of the person became distinctively so in Neo-Platonism, with reference to its relation to whom it is but the tendency has survived down to the considered. Not being in his possession, he, present, and has taken on various embodi- if the owner, may be forced to bring an action ments.

its great apostle. It has many votaries, and of flour of a certain brand. See Res. (S.E.B.) seems to be a growing cult. Cf. MYSTICISM.

Literature: PLOTINUS, Enneads; PSEUDO-Dionysius, Theologica mystica and De divinis Nominibus; works of JACOB BÖHME and SWEDENBORG. For the special forms, see Johnson's Cyclopedia, art. Theosophy; WM. Q. JUDGE, The Ocean of Theosophy (1893); ally, in grasping the significance of facts pre-SINNETT, Esoteric Buddhism (1883); RAMA sented in instruction. PRASAD, Nature's Finer Forces (1890). (A.T.O.)

THERAPEUTICS, and MIND-CURE.

also, in the modern sense, and apparently in method is the formation of generalizations. sometimes to mean merely a universal propo- Dörpfeldt classifies the mental movements sition]: Ger. These; Fr. thèse; Ital. tesi. formed in a complete act of learning as fol-An assertion formally stated preparatory to a lows: (1) Observation, (2) Thinking, (3) regular defence of it by argumentation.

implication. The denial of a thesis prepara- and Generalization. See FORMAL STEPS, REtory to regular counter-argumentation is some- FLECTION, and METHOD (in education). (C.DeG.) times called the antithesis; but this is rarely used except with reference to Kant's antinomies. In geometry, the abstract statement Lat. haecceitas. See LATIN AND SCHOLASTIC of a theorem is called the enunciation, or TERMINOLOGY, 11, and cf. Eisler, Wörterb. d. first enunciation; the statement with reference | philos. Begriffe, 'Haeccertas.' to the diagram being called the second enunciation, or statement. The latter is also at Kempen, near Cologne; was for seven

It must be something capable of standing LOGY, and cf. GNOSIOLOGY, PHILOSOPHY, and in a relation to the human will; it may be either material, or an object or group of ob-Theosophy [Gr. θεοσοφία, divine wis- jects only discernible by the mind (Holland, God and an organ through which he is revealed or mystically intuited.

| pound thing: one to be comprehended only on a view of its several acts or properties, (2) A form of Buddhistic thinking which separately considered, e.g. a house. Intellechouses might be (see Pollock, Jurisprudence, In the first or general sense most oriental chap. vi). Thing in action, or chose in action: in order to get it. Things fungible: those The Buddhistic form is a direct importation which can be replaced by others of the same from the East, and has Madame Blavatsky for kind without loss to the owner, e.g. a barrel

Thing-in-itself: see Noumenon, Ding an SICH, and KANT'S TERMINOLOGY, Glossary, 'Ding an sich.'

Thinking: see THOUGHT.

Thinking (in educational method). In general, the exercise of the intellect, specific-

Nearly all stages of school methods give Therapeutics (mental): see Psycho- the pupil's mind some exercise in thinking, but the phase of thinking deemed important Thesis [Gr. θίσις, a placing or setting; enough to be designated as a stage or 'step' Application. Other writers, like Ziller and The Latin form position is less formal in its Rein, divide this second stage into Association

Thisness [ME. this]: Ger. Diesheit (Wolff); Fr. eccéité; Ital. ecceità. Trans. of

called the ecthesis, or exposition. For other years novitiate; entered, about 1407, the meanings of thesis, see The Century Dic- cloister of St. Agnes as regular canon, became (C.S.P.) superior, and died there. He belonged to the Thing (in law) . Ger. Ding, Sache; Fr. chose; Brotherhood of the Common Life, founded by Ital. cosa. The object of a Right (q.v., in law). Ruysbroek and Geert de Groot.