

## LACTUCARIUM.

The dried or concrete milk-juice of *Lactucavivosa*, Linné (Nat. Ord. Compositae). South and Central Europe. *Dose*, 5 to 20 grains.

**Common Name:** Lettuce Opium.

**Principal Constituents.**—*Lactucin* (C<sub>11</sub>H<sub>14</sub>O<sub>4</sub>), *lactucerin* (lactucone), *lactucopicrin*, *lactucic acid*, and a comphoraceous volatile oil.

**Preparations.**—1. *Tinctura Lactucarii*, Tincture of Lactucarium, (50 per cent strength). *Dose*, 30 to 60 drops.

2. *Syrupus Lactucarii*, Syrup of Lactucarium (prepared from Tincture). *Dose*, 1-3 fluidrachms.

**Action and Therapy.**—A non-constipating calmative and feeble hypnotic, sometimes proving useful in insomnia from mental overwork and, as a syrup, in the cough of phthisis. Even garden lettuce (*Lactuca sativa*) relieves irritation of the broncho-pulmonic membranes and has a tendency to induce drowsiness. Lactucarium is often inert; when a good preparation can be obtained it is fairly sedative for irritable children.

## LAPPA (*Arctium lappa*).

The root and seeds of *ArctiumLappa*, Linné (Nat. Ord. Compositae). Europe, Asia, and America. *Dose*, 5 to 60 grains.

**Common Name:** Burdock.

**Principal Constituents.**—The glucoside *lappin*, fixed oil, *inulin*, and an altered tannin called *phlobaphene*.

**Preparations.**—1. *Specific Medicine Lappa*. *Dose*, 1 to 60 drops.

2. *TincturaLappaeSeminis*, Tincture of Lappa Seeds. (Seed, 4 ounces; 75 per cent Alcohol, 16 fluidounces.) *Dose*, 1 to 60 drops.

**Specific Indications.**—Feeble cutaneous circulation; dry, scaly skin eruptions; aphthous ulcers; recurrent boils and styes; urinary irritation; psoriasis.

**Action and Therapy.**—Lappa is a potent but neglected alterative and diuretic. It relieves urinary and bronchial irritation, favors the

elimination of waste material, and secondarily proves tonic. Lappa is especially valuable in psoriasis, crusta lactea, stubborn eczema, obstinate ulcers, and in catarrhal and aphthous ulcerations. It is one of the best of agents for recurrent boils and styes. Bronchial cough, with much irritation of the pulmonary tract, is relieved by it, and it is sometimes beneficial in dyspepsia due to irritation of the stomach in cachectic individuals. As it gently stimulates the kidneys and promotes waste it should be largely used in strumous and cachectic conditions, with tendency to dry, scaly, cutaneous eruption and low grades of cellular inflammation, with feeble circulation in the skin.

## LAVANDULA.

The flowers of *Lavandulavera*, De Candolle (Nat. Ord. Labiatae). Dry sterile soils of mountainous elevations in southern Europe and northern Africa; cultivated in the United States.

**Common Names:** Lavender, Lavender Flowers.

**Principal Constituents.**—A volatile oil (*OleumLavandulae*) containing *linaolool acetate*, *linalool* (C<sub>10</sub>H<sub>18</sub>O) and *cineol* or *eucalyptol*.

**Preparations.**—1. *SpiritusLavandulae*, Spirit of Lavender (5 per cent oil). *Dose*, 10 to 60 minims.

2. *Tinctura Lavandulae*, Composita, Compound Tincture of Lavender. (Compound Spirit of Lavender.) (Contains Oil of Lavender, Oil of Rosemary, Clove, Myristica, Saigon Cinnamon, Red Saunders, Alcohol, and Water.) *Dose*, 10 to 60 drops.

**Action and Therapy.**—*External.* Spirit of lavender is an agreeable and soothing lotion for the headache of debility and in fevers. The compound tincture is frequently added to carbonate of ammonium, and constitutes “smelling salts” for the relief of headache and tendency to fainting.

*Internal.* Oil of lavender, the spirit and the compound tincture are delightful stimulants and carminatives. They are extensively employed to allay gastric uneasiness and nausea, in flatulent colic, hysteria, nervous debility, general languor and tendency to fainting. For nervous and weak individuals, who faint easily and are prone to hysterical seizures, they are simple and safe preparations. The compound tincture is added to many mixtures to give color, and all of

the lavender preparations are used as corrigents and adjuvants of less agreeable medicines. Scudder valued the compound tincture in nervous irritability in children, and incorporated it in a “soothing syrup” described under *Cypripedium*, which see.

## LEONURUS.

The tops and leaves of *Leonurus Cardiaca*, Linné (Nat. Ord. Labiatae). Asia, Europe, and common in the United States.

**Common Name:** Motherwort.

**Principal Constituents.**—Resins, a bitter principle, and probably an alkaloid.

**Preparation.**—*Infusum Leonuri*, Infusion of Leonurus. (1 ounce to Water, 16 fluidounces). **Dose**, 2 to 4 fluidrachms.

**Action and Therapy.**—A simple emmenagogue and antispasmodic, evidently having considerable control over the nervous system. It has been advised in nervous debility with irritation and unrest, tendency to choreic movements or spasms, pelvic and lumbar uneasiness and pain, and in bearing-down pains and the discomforts incident to debility of the female reproductive organs. A warm infusion may be used in amenorrhea, and King praised it for the restoration of suppressed lochia. It deserves restudy to determine its value in nervous affections.

## LEPTANDRA (*Veronicastrum virginicum*).

The rhizome and rootlets of *Veronicastrum virginicum* (L.) Farw., (*Leptandravirginica*, Nuttall), (Nat. Ord. Scrophulariaceae). A tall perennial plant indigenous to the eastern half of the United States. **Dose**, 10 to 60 grains.

**Common Names:** Culver's Root, Black Root, Culver's Physic, Bowman Root, Tall Speedwell, etc.

**Principal Constituents.**—A resinoid called *leptandrin*, formerly used but now largely discarded by Eclectic practitioners, and a bitter principle.

**Preparation.**—*Specific Medicine Leptandra*. **Dose**, 1 to 60 drops.

**Derivative.**—Leptandrin (Resinoid). **Dose**, 1/4 to 2 grains.

**Specific Indications.**—Tenderness and heavy pain in the region of the liver, with drowsiness, dizziness, and mental depression; skin, yellow; tongue coated white; bitter taste, nausea, frontal headache and cold extremities; thirst with inability to drink; diarrhea with half-digested passages, or clay-colored stools; enfeebled portal circulation, with lassitude, gloom, and mental depression.

**Action and Therapy.**—Leptandra is a gastro-hepatic and intestinal stimulant. The fresh root is viciously cathartic and has produced bloody stools and abortion. Drying, however, deprives the drug of its drastic quality and it becomes a safe cholagogue, laxative, and cathartic. Apparently in ordinary doses it strengthens the functional activity of the intestinal glands, does not debilitate nor produce large stools, and if the circulation is feeble, with a tendency to stasis, it has a decidedly tonic effect.

Leptandra is a remedy for intestinal atony—especially duodenal atony associated with hepatic torpor. It has been employed in dysentery and chronic diarrhoea, dependent upon constipation of the upper bowel, or upon imperfect elaboration of the food. These cases are accompanied by dizziness, headache, visceral pain, mental depression and cold extremities. In atony of the stomach and liver with the preceding and the following symptoms it is decidedly stimulant and tonic. There is a dry, hot skin, with cold feet, abdominal plethora, pale, white coated or furred broad and thick tongue, heavy or dull aching in the hepatic region and the left shoulder, and a bitter, disagreeable taste. In fact with any of the preceding symptoms—and yellowness of the skin and conjunctiva and nausea, leptandra will prove very useful in atonic dyspepsia, acute hepatitis, acute duodenal catarrh, diarrhea of half-digested aliment, muco-enteritis, and chronic enteritis. It will be evident from the guides given that leptandra, is a remedy for the complex known as “biliousness”. It aids chionanthus, and sometimes podophyllin to dissipate jaundice. In the early period of Eclectic medicine it was valued in typhoid fever, when ushered in with constipation and before marked involvement of Peyer’s patches had become established. It is questionable whether any laxative should be resorted to in such conditions—an enema is to be preferred. But for pre-typhoid symptoms, not amounting to enteric fever, its use is justifiable and even beneficial. Leptandra is better as a laxative in malarial fever and prepares the system for the more kindly reception of antiperiodic medication. It is no longer employed in anasarca and

ascites, better agents having supplanted it. It is a good medicine and its field of usefulness has narrowed down to gastro-hepato-duodenal atony, and attendant or resulting disorders, in which it proves an admirable stimulant and corrective. It acts well with hydrastis, podophyllum, chionanthus, dioscorea, or chelidonium when these are also indicated. It is especially valuable in the diarrhoea of dentition. The nervous irritability may be controlled with matricaria and the following administered: Rx Compound Syrup of Rhubarb and Potassa, 3 fluidrachms; Specific Medicine Leptandra, 1 fluidrachm. Mix. Ten to 20 drops every hour until the diarrhea ceases. Glyconda may be substituted for the neutralizing cordial, if sugar is contraindicated.

## LEUCANTHEMUM.

The whole plant of *Leucanthemum vulgare* Lam. (*Chrysanthemum leucanthemum*, Linné) (Nat. Ord. Compositae.) Introduced into America from Europe.

**Common Names:** Ox-eye Daisy, Field Daisy.

**Principal Constituents.**—Probably an acid, aromatic, volatile oil, and a bitter principle.

**Preparation.**—*Infusum Leucanthemi*, Infusion of Leucanthemum. *Dose*, freely.

**Action and Therapy.**—An infusion of leucanthemum is tonic and should be considered in cases of colliquative sweating in which it is not desirable to use the active antihydrotics, as atropine, muscarine, or camphoric acid.

## LIATRIS.

The rhizomes of several species of *Liatris* (Nat. Ord. Compositae). Middle and southern United States. Dose, 10 to 60 grains.

Common Names: Button Snake Root (*L. spicata*); Blazing Star (*L. squarrosa*); Gay Feather (*L. scariosa*); Deer's Tongue (*Carphephorus odoratissimus* [*L. odoratissima*]).

**Principal Constituents.**—Resins, volatile, bitter principle, and in some *coumarin* (C<sub>9</sub>H<sub>6</sub>O<sub>2</sub>), a principle having a vanilla odor.

**Preparation.**—*Infusum Liatridis*, Infusion of Liatris (1 ounce to 16 fluidounces). *Dose*, 1 to 4 fluidounces.

**Action and Therapy.**—This drug is stimulant, bitter tonic, diuretic, and emmenagogue. It is sometimes used as a gastric tonic in dyspeptic conditions associated with renal inactivity. Rarely it is used to relieve pain in spasmodic bowel complaints and colic in children, in backache in adults, and to relieve dysmenorrhea. It is seldom employed. Button snake root derives its name from its traditional Indian reputation as a local alexipharmic (freshly-bruised root) for rattle-snake bite, a myth, it is needless to say, as yet unverified.

## LIGUSTRUM.

The bark and leaves of *Ligustrum vulgare*, Linné (Nat. Ord. Oleaceae). A beautiful shrub in woods and thickets in the eastern half of the United States; also cultivated. *Dose*, 10 to 60 grains.

**Common Names:** Privet, Privy, Prim.

**Principal Constituents.**—The glucoside *ligustrin* (syringin), a bitter crystalline body, *ligustron*, and an amorphous bitter, *syringopikrin*.

**Preparation.**—*Decoctum Ligustri*, Decoction of Privet (1 ounce to Water, 16 fluidounces). *Dose*, 1 to 4 fluidounces.

**Specific Indications.**—Apthous sore mouth; relaxed sore throat.

**Action and Therapy.**—*External.* Next to coptis the most useful application for thrush in infants and of value in pallid sore throat with tissue relaxation, and in apthous sore mouth.

*Internal.* An astringent tonic of much value in ulcerative and catarrhal conditions of the mucous membranes of the stomach, bowels, and renal tract.

## LILIUM.

The whole plant of *Lilium tigrinum* (Nat. Ord. Liliaceae). Native of Japan and China, but largely cultivated.

**Common Name:** Tiger Lily.

**Preparation.**—*Specific Medicine Tiger Lily.* Dose, 1 to 10 drops.

**Action and Therapy.**—This remedy has been acquired from Homeopathy and is reputed slowly effective in controlling uterine irritation and congestion, being employed also to allay the nausea of pregnancy and of uterine irritability, in congestive dysmenorrhea, and chronic ovarian neuralgia with darting, burning pain in the ovaries. It is also said to be of service when pelvic weight and prolonged lochia accompany a tardy recovery from parturition and in the bearing-down discomfort incident to prolapsus uteri.

## LIMON.

The juice and outer rind of the fresh ripe fruit of *Citrus medica Limonum* (Risso), Hooker filius (Nat. Ord. Rutaceae). Northern India, and cultivated in subtropical countries.

**Common Name:** Lemon.

**Principal Constituents.**—A pale-yellow or greenish-yellow, fragrant oil (*Oleum Limonis*); and a bitter principle, *hesperidin* (C<sub>22</sub>H<sub>26</sub>O<sub>12</sub>)

**Preparations.**—1. *Limonis Succus*, Lemon juice. This may be prepared by slightly boiling strained lemon juice to remove mucilage, etc., and pouring it into previously sterilized bottles filled to the neck; fill the neck with pure olive, sweet, or almond oil, and cork tightly. Keep the bottle in an upright position. This, while slightly bitter, will keep for several weeks. Another method is to add 10 per cent of brandy to the strained juice. **Dose**, 1/2 to 4 fluidounces.

2. *Limonis Cortex*, Lemon Peel. A flavoring agent only.

3. *Oleum Limonis*, Oil of Lemon. Pale-yellow or greenish, having the taste and odor of lemon peel. If it has the odor of turpentine it should not be used. **Average Dose**, 1 to 5 minims.

**Specific Indications.**—Elongated, reddened tongue with prominent papillae; scorbutus; fevers with red, long tongue; excessively red, inflamed surfaces in inflammatory rheumatism, with alkaline urine and long, red tongue, thinly coated white.

**Action and Therapy.**—Lemon juice and citric acid are the best known prophylactics and curative remedies for scurvy (scorbutus). The juice may be given in doses of 1/2 to 2 ounces a day as a preventive, and in doses of 2 to 4 ounces, three times a day, as a cure. The action of lemon juice and citric acid is not exactly identical, probably owing to the presence in the former of mucilage and citrate of calcium, but for most purposes requiring the acid, lemon juice is used and preferred.

For preparation of the juice for long voyages, see above (Preparations). Diluted lemon juice may be used in obstinate hiccough, hepatic torpor and acute jaundice when the tongue is red and the urine alkaline. Under like conditions it is useful in acute articular rheumatism when the parts inflamed are deeply red and the general indications for acids are present. Lemon juice upon sugar will alleviate distressing cough, especially a persistent explosive cough, with spasmodic contraction of the throat upon lying down; when relief comes a slight translucent, jelly-like mass is expectorated. Lemonade is a delightfully refreshing refrigerant drink for fever patients when acids are indicated and bowel conditions will permit the use of large quantities of acidulated fluid. It also sometimes relieves sick headache, and a hot lemonade is a popular remedy to break up a "cold".

## LINUM.

The ripe seeds of *Linum usitatissimum*, Linné (Nat. Ord. Linaceae). Levant and southern Europe; cultivated.

**Common Names:** Flaxseed, Linseed.

**Principal Constituents.**—Mucilage, a fixed, viscid oil (*Oleum Lini*), proteids (25 per cent), and a minute trace of amygdalin.

**Preparations.**—1. *Oleum Lini*, Linseed Oil, (Oil of Flaxseed, Raw Linseed Oil). A yellowish oil of a bland taste and peculiar odor, gradually thickening and darkening in the air and acquiring a strong taste and odor. **Dose**, 1/2 to 1 fluidounce. Raw (not boiled) oil only should be used.

2. *Farina Lini*, Linseed Meal, (Flaxseed Meal). For poultices.

**Action and Therapy.**—**External.** Flaxseed and its oil are emollient. A flaxseed poultice (*Cataplasma Lini*) applied early upon inflamed and painful surfaces will relieve pain, cause relaxation, and sometimes resolution. If applied after pus begins to form it will hasten suppuration. Deepseated inflammation can often be aborted by the judicious use of a flaxseed poultice. The danger of favoring sepsis when used upon open or abraded tissues should be borne in mind. Equal parts of linseed oil and lime water form *Carron Oil*, the best primary dressing for burns and scalds. Linseed meal added to the wash water will assist in removing the odor of iodoform from the hands.

**Internal.** An infusion of the seeds (1/2 ounce to Boiling Water, 16

fluidounces) is an excellent demulcent forming a pleasant mucilaginous drink for inflamed or irritated membranes. It is especially useful in gastro-intestinal and renal inflammations, and as a lenitive after acute poisoning by irritants. The addition of licorice root or lemon juice and sugar makes of the foregoing an agreeable linctus for irritative coughs and acutely inflamed bronchial mucous membranes. Linseed oil is a good laxative and is sometimes used as an enema to remove ascarides. Hemorrhoids have been cured by the laxative influence of linseed oil given in daily repeated doses of 1 to 2 ounces. Linseed oil may be given freely in poisoning by alkalies, when other bland oils are not at hand.

## LIQUIDAMBAR.

The balsamic exudate or concrete juice of *Liquidambarstyraciflua*, Linné (Nat. Ord. Hamamelaceae). The sweet-gum tree of the United States, Mexico, and Central America.

**Common Name:** Sweet Gum.

**Description.**—An opaque, almost black, soft, adhesive, resinous mass, or hard masses breaking with a resinous fracture, of the pleasant odor of benzoin, and a bitterish, pungent, benzoinic taste. It softens in warm weather; becomes hard in cold weather. Soluble in alcohol, ether, chloroform, and fats and oils. **Dose**, 1 to 15 grains.

**Principal Constituents.**—The resin *styrol*, *cinnamicacid*, *styracin*, and *storesin*, a complex alcohol.

**Action and Therapy.**—*External.* King highly valued an ointment of liquidambar and lard or tallow, equal parts, as a softening and antiseptic application to ulcers and in anal fistulae with indurated edges, and especially for indolent ulcers and old sores upon the legs. Like many balsamic preparations it is said to benefit in parasitic skin diseases, as ringworm of the scalp and porrigo scutulata. It is also reputed to give relief in hemorrhoids. It should be tried in anal fissure, as it acts without causing pain. To render it more efficient, though probably at the risk of causing some pain, we would suggest the addition of a small amount of salicylic acid.

*Internal.* Like most balsams it is effectual in chronic coughs and catarrhs.

## LOBELIA.

The leaves, tops, and seeds of *Lobelia inflata*, Linné (Nat. Ord. Lobeliaceae). Abundant in the United States. *Dose*, 1 to 60 grains.

**Common Names.**—Lobelia, Indian Tobacco, Wild Tobacco, Puke Weed, Emetic Weed, Emetic Herb, Vomit Weed, etc.

**Principal Constituents.**—The unstable liquid alkaloid *lobeline*, combined with *lobelic acid*, fixed and volatile oil, and an unimportant nonbasic substance, *inflatin*. The so-called *lobelacrin* of Enders is probably lobeline lobeliate.

**Preparations.**—1. *Specific Medicine Lobelia*. *Dose*, 1/10 to 60 drops. (Usual form of administration: Rx Specific Medicine Lobelia, 5-30 drops; Water, enough to make 4 fluidounces. Mix. Sig.: One teaspoonful every 1 to 3 hours.)

2. *Subculoyd Lobelia*. *Dose*, 1 to 30 drops. Designed chiefly for hypodermatic use.

3. *Pulvis Lobelia Compositus*, Compound Powder of Lobelia (Emetic Powder). Contains Lobelia (6), bloodroot (3), skunk cabbage (3), ipecac (4), capsicum (1). *Dose*, as an emetic, 2 drachms in broken doses of 1/4 to 1/2 drachm, in warm water, every 15 minutes. Used chiefly locally.

4. *Tinctura Lobelia Composita*, Compound Tincture of Lobelia, (Acetous Emetic Tincture, Expectorant Tincture). *Dose*, 1/2 to 3 fluidrachms.

5. *Libradol*. For external use.

**Specific Indications.**—Fullness of tissue, with full veins and full arterial flow; full labored and doughy pulse, the blood current moving with difficulty; short, labored breathing; sense of suffocation; dyspnea with praecordial oppression; pain in chest of a heavy, sore, or oppressive character; pulmonary apoplexy (full dose); mucous accumulations in the bronchi; dry croupal cough, with scant or oversecretion; asthmatic seizures; short, lancinating pain radiating from heart to left shoulder and arm; spasmodic muscular contraction; muscular rigidity; infantile convulsions from irritation of the bowels, or from respiratory obstruction; hysterical convulsions; rigid os uteri with thick doughy and unyielding rim; perineal and vaginal rigidity during labor; angina pectoris (full doses).

**Action.**—Lobelia apparently acts upon the central nervous system, the myoneural junction of the muscles of volition, and the sympathetic nerve ganglia, and by some is classed with the nicotine group in pharmacological effects. It is a powerful gastro-intestinal irritant,

producing emesis. Should it fail to vomit, which is rare, purgation may result. In large doses a state of near-collapse is induced. Small doses act upon the cardiac inhibitory apparatus, slowing the heart action, but this is followed by a more or less accelerated pulse. During the depressive stage bloodpressure is lowered, but subsequently becomes increased. Small doses stimulate, and large doses paralyze the respiratory centers and the vagal terminals and ganglia in the bronchi and lungs, death, when it occurs (in animals), resulting from respiratory paralysis (asphyxia). Lobelia is most largely eliminated by the kidney, though some is thought to be excreted by the skin.

If lobelia be chewed it causes an acrid, prickling, and persistently pungent sensation in the throat and fauces, accompanied by slight nausea and a feeling of warmth and distention along the esophageal tract and in the stomach. The sensation is not very unlike that produced by tobacco. The salivary glands and those of the mouth are impressed, pouring out saliva and mucus in abundance. A sense of epigastric depression succeeds, followed by profound nausea, and if the amount chewed be large enough, severe and thorough emesis results. The gastric mucus is secreted in great abundance and ejected with the contents of the stomach. The emetic action of lobelia is extremely depressing, and is usually accompanied by profuse perspiration. Oppressive prostration, relaxation of the muscular system, and a languid pulse accompany the emetic stage. The depression, however, is of short duration, and is immediately followed by a sense of extreme satisfaction and repose. Under its action the mental powers are unusually acute, and the muscles are powerfully relaxed. The circulation is enfeebled by large and strengthened by small doses, and the bronchial secretions are augmented.

Lobelia, in the ordinary sense of the term, is not a lethal poison. Undoubtedly its injudicious use has and might produce death, but the same is true of many other drugs that are not ordinarily considered as poisons. That the alkaloid lobeline will kill animals has been fully demonstrated. A drop of the alkaloidal solution placed upon the tongue of a strong, healthy man instantly vomited him. To this property of its alkaloid is undoubtedly due the failure of lobelia to act upon man as a lethal agent. Its emetic action is so prompt and decided that the contained alkaloid does not, under ordinary circumstances, produce fatal results. Given in cases in extremis, the resulting exhaustion from repeated emesis would very likely hasten death, but death would be

more likely due to the act of vomiting exhausting the patient than to any poisonous effect of the lobelia.

**Therapy.—External.** Infusion of lobelia, or the alcoholic preparations diluted and constantly applied by means of compresses, are among the most efficient applications in rhus poisoning. A lotion or a poultice (with flaxseed or elm) often relieves insect bites and stings, articular pain, the pain of bruises and sprains, and sometimes causes relaxation in strangulated hernia, and relieves the discomfort of erysipelatous inflammation. Powdered lobelia sprinkled upon a larded cloth and applied warm, or the compound emetic powder similarly used, is an invaluable local application to the chest in acute thoracic diseases, and gives marked relief from pleural and muscular pains and alleviates the sense of suffocation and fullness accompanied by a feeling of soreness within the chest. Libradol is a more cleanly application and owing to the presence of glycerin is more or less dehydrating, thus making it a preferable application in swellings, bunions, and inflammatory affections of the joints. Libradol, or a lotion of equal parts of glycerin and the specific medicine, provides a grateful application to relieve pain and reduce tumefaction in orchitis and epididymitis; the lotion is the more easily applied.

Libradol is an exceedingly efficient local application in many disorders, to relieve pain and reduce local inflammations. It is not a cure-all, but covers two definite fields of action—the relief of disease conditions presenting:

(1) Pain and inflammation, with or without exudation, as occur in pneumonia, broncho-pneumonia, bronchitis, croup, pleurisy, acute pharyngitis, tonsillitis, orchitis, ovaritis, arthritis, synovitis, inflammatory rheumatism, boils, and bunions.

(2) Localized pain, along nerve courses, in joints, and in the muscular structures, as in some forms of rheumatism (subacute, non-inflammatory, articular, etc.), lumbago, facial, subscapular, and intercostal neuralgia, pleurodynia, and neuritis.

The specific indications for Libradol are: Pain with or without swelling or inflammation; inflammation with serous or mucous exudation; sharp, lancinating pain in the chest, aggravated by respiratory or other movements; congestion and engorgement of parts; dyspnea; soreness

in the pectoral region; dull, aching pain; subcutaneous and thecal inflammations; pain of syphilitic nodes and lymphatic swellings.

**Pulvis Lobeliae Compositus** or *Compound Emetic Powder* is seldom used for the purpose indicated by its name a purpose for which it was originally intended and which it admirably fulfills. It is for its effects when applied locally in broncho-pulmonic affections that it is so highly valued and that has caused it to outlive many other old Eclectic compounds. How it acts—how it can produce the results it does—remains yet a mystery and can not easily be explained scientifically, but that it does act, and very decidedly, is a well attested clinical fact, and its certainty makes it a remedy that we will not be likely to part with. It is the first application thought of by many when desiring an outward application in acute bronchitis, pleurisy, pneumonia, pleurodynia, and soreness of the pectoral walls. A well-larded cloth is sprinkled with the powder. This is then well warmed and applied directly to the chest. Goose fat probably is the best penetrating medium for its exhibition, and singularly recent scientific tests of the penetrability of fatty bodies has yielded the highest place to goose fat. Once more has science recognized the wisdom of the domestic medicationists, whose only claim to skill rested on their discriminatory clinical observation. The emetic powder may be freely used without danger of unpleasant consequences. It takes the place of the heavy poultices and thus gives little or no discomfort to the patient. If a cotton jacket (best prepared by lining an undershirt or waist with a uniform layer of cotton) be worn over the larded cloth the effects are all that can be desired from external applications. Petrolatum is substituted for other greases by some physicians.

**Internal.** From the early days of Eclecticism lobelia, through Thomsonian introduction, has been a valued medicine. Many properties were once ascribed it of which little note is now taken. Its chief uses, however, were as an emetic, expectorant, and antispasmodic, fulfilling all of these offices to the admiration of its prescribers. As an emetic it was regarded as not only prompt but efficient, but in order to render it safer and more efficacious, it was often combined with other substances, notably capsicum and ipecacuanha. Either as an expectorant or emetic, as the urgency of cases required, it was in free use in croup, whooping cough, asthma, dyspnea simulating asthma, and pneumonia. In fevers it was used as a relaxant and to modify the circulation. When used as an expectorant it

was usually combined with tincture of bloodroot, syrup of senega, wine of ipecac, or oxymel of squill. Doses of lobelia sufficient to excite nausea and relaxation were employed in epilepsy, chorea, cramps, hysteria, tetanus, strychnine poisoning, and other convulsive attacks. Internally, or by enema, it was largely employed to overcome rigidity of the uterus during labor, but its specific applicability, as now known, was not then differentiated. As a relaxant, when employed by rectal enema and in fomentations, it was highly regarded in treating strangulated hernia and other intestinal obstructions; and to release muscular contracture in tedious labors, and to facilitate the setting of fractures and reducing of dislocations. In extreme cases, oil of lobelia was employed and entered into liniments for severe neuralgic and rheumatic complaints. The infusion was used in ophthalmia; the tincture locally in sprains, bruises, rheumatic pains, erysipelatous and similar inflammations, eczema and other cutaneous diseases, and in poisoning by ivy. Poultices of lobelia were similarly employed. These were the days prior to the advent of specific medication through which a better understanding of the use of lobelia was acquired. Of these uses only the occasional employment still survives for the same purposes in croup, asthma, whooping cough, dyspnea, children's convulsions, rigid os, and the local surface disorders named.

Lobelia is nauseant, emetic, expectorant, relaxant, antispasmodic, diaphoretic, sialagogue, sedative, and, secondarily, occasionally cathartic and diuretic and astringent. It is in no sense a narcotic. As an emetic lobelia is now seldom employed. In selected cases where a systemic emetic effect is desired it may still be employed with benefit. By a systemic emetic we mean one which, like lobelia, not only causes emesis, but reacts profoundly upon the nervous, circulatory, and secretory apparatus of the whole body, so that marked relaxation takes place and the stomach yields up a great quantity of thick, ropy mucus. Such an effect is sometimes desirable as a preparatory treatment for the better receptivity of medicines that would otherwise remain unabsorbed by the stomach, or when antiperiodics act indifferently or irritatingly unless a good cleaning of the stomach and relaxation of nervous tension are first insured. This is notably true of quinine, and often of the special or arterial sedatives. Though momentarily depressing, the reaction is decidedly beneficial, and it may well be used when depression is not too great to begin with, and the tongue is expressionless and foully coated at the base. In such instances we believe it should still be used in emetic doses in some chronic

disorders of the stomach, and especially in the incipient stage of intermittent and other allied fevers. We have seen it arouse from a general sluggish condition of atony those who have been ill for months and start them on the way to better health. When the emetic action of lobelia is desired, small doses of specific medicine lobelia, or of the powder in warm water, should be frequently administered until profound nausea is induced; then the medicine should be pushed rapidly to emesis. Large draughts of warm (not hot) water will hasten its action and render the act of vomiting easier. Lobelia should never be given to children or the old and feeble as an emetic; nor is it admissible in ordinary cases of poisoning, where depression may be increased by it. Such are to be treated with stimulating emetics.

The powerfully relaxant properties of lobelia make it an efficient drug where the spasmodic element is a factor. As of old, nauseant doses may be given to relax hysterical convulsions, worm convulsions, the convulsions of dentition, and other convulsive disorders of children. When mildly asthenic, lobelia may be used alone; when sthenic, bromide of potassium or gelsemium may be given with it. Usually, however, the indications are present for all three medicines. The best combination of drugs we have personal knowledge of for the relief of convulsions of childhood caused by errors of diet, such as the ingestion of half-comminuted bananas, nuts, or shredded cocoanut cakes, or of fresh flour dough, is the following: Rx Specific Medicine Lobelia, and Specific Medicine Gelsemium, 1 fluidrachm each; Potassium Bromide, 1 drachm; Water, enough for 4 fluidounces. Mix. Sig.: One teaspoonful every five minutes until complete relaxation is insured; then every two hours for a day. The warm bath and the enema should not be neglected. If convulsions are due to dentition or to the onset of infectious diseases, good will have been accomplished by placing the system in repose and giving a better receptibility for other medication. Lobelia is of little value in epileptic convulsions, and is rarely of service in tetanus. It has been used in strychnine poisoning, but is not to be commended, especially if given late, lest attempts at emesis provoke the already greatly excited reflexes and precipitate repeated paroxysms; and less than emetic doses would have absolutely no value. In puerperal eclampsia, in which it has also been advised, it is not to be compared with veratrum, gelsemium and chloroform in efficiency. When intestinal obstructions are due to a spasmodic state of the intestines it may be of service, as in intussusception and fecal impaction; and it may relax and relieve a strangulated hernia. Too

much time must not be consumed in attempts at medication in these serious disorders, and an early resort to surgery is advisable. Spasmodic colic in both adults and children is sometimes quickly relieved by lobelia. In fact very small doses prove the very best treatment in colic of very young infants. For spasmodic croup and spasmodic asthma lobelia in nauseant doses is without a peer in drug therapeutics.

Lobelia is *the* drug for angina pectoris, neuralgia of the heart, and pulmonary apoplexy. Though evanescent in its action, large doses of specific medicine lobelia (about 20 drops) may be administered with the expectation of relieving the patient. The dose may be repeated as necessary. Lobelia is a cardiac stimulant, therefore we class it with the sedatives, for all arterial or special sedatives in medicinal (small) doses are heart stimulants. When the circulation exhibits a markedly slow pulse-wave it will be better corrected by lobelia than by any other drug. In fact the most prominent indication for lobelia is the full, oppressed, sluggish, doughy pulse. Associate this with praecordial oppression, thoracic pain, difficult breathing, soreness or bruised feeling within the chest, nausea with tongue heavily coated at the base, fullness of tissue, and we have before us a fair range of the action of the drug. It is a good remedy in cardiac congestion.

Lobelia is of specific value in obstetrical practice. It powerfully subdues muscular rigidity. It is one of the remedies to overcome a rigid os, during parturition, and at the same time it relaxes the perineal tissues, thus defending the parts against lacerations. This specific effect of lobelia has won many converts to specific medication. This it does when there is fullness of tissue—a thick, doughy, yet unyielding os uteri; when, however, the edge of the os is thin and closely drawn, sharp like a knife edge, full doses of gelsemium are indicated. For this antispasmodic action lobelia may be given in nauseant doses, preferably in hot water, by mouth and by rectum.

Lobelia is a stimulant to the sympathetic nervous system. It improves innervation of the parts supplied by both the pneumogastric and sympathetic nerves. The appetite and digestion are augmented by it and peristalsis of the whole gastro-intestinal tube greatly stimulated. All this it does best in small and repeated doses; and for these specific purposes it should be so employed and not for its nauseating and emetic effects, which it causes by pushing this stimulation to its limit.

The conditions in which such violent and disturbing action is desired are sufficiently set forth above. Specific medication has proved that lobelia is indicated by the full, slow, labored, and doughy pulse, showing that the blood current moves with difficulty. Over the chest, and particularly in the praecordium there is a sense of oppression and weight and often a dull, heavy pain or soreness of an oppressive character and always associated with difficulty in breathing. Mucous rales in the bronchi are prominent and the cough is aggravating, but followed by free and full expectoration. The tongue is full, pallid, broad and flabby-expressionless, nausea is a common indication, and sick headache with nausea frequently encountered. The sympathetic and the vagus are always below par when lobelia is indicated. With any or several of these indications lobelia proves most valuable in the gastric and respiratory disorders named below. Even in this specific field comes partly its beneficent action in angina pectoris, though relaxation even to nausea apparently intensifies its ameliorating effects.

The small dose of lobelia is of distinct value in atonic types of indigestion and dyspepsia. In similar doses it may relieve sick headache due to gastric derangement, and is then indicated by a feeling of "qualmishness" and nausea. Though sometimes overlooked when we are seeking a drug to overcome intestinal atony, experience has proved lobelia, continued for some time in moderately small doses, to be one of the best agents at our command to gradually relieve habitual constipation. Rx Specific Medicine Lobelia, 1 or 2 drops, every 2 or 3 hours. This is accomplished by improving the innervation and peristalsis, and stimulating the secretions of the intestinal glands, as lobelia is in no sense a laxative in such doses. Administered with podophyllin and other cathartics it tends to prevent the after-constipative results that frequently follow the use of "bowel persuaders" when given in purgative amounts.

Lobelia is of value in common colds with a dry, irritative cough. It ranks with the best of antiasthmatics, and is equally serviceable in spasmodic asthma and in humid asthma, with scanty secretion in the first and over-secretion in the latter. In asthma, which is but a symptom of some grave body wrong, the urine should be examined for albumin, which, together with the asthmatic paroxysms, are sometimes the only early evidence pointing to nephritis. Nasal obstructions and deformities requiring removal by the nasal specialist should also be

taken into account, as well as other causes for reflex excitation. With these absent lobelia is signally effective; it often fails in part or altogether when these abnormalities remain uncorrected. Lobelia is an equally certain remedy for the relief of spasmodic croup and the asthmatic form of acute laryngitis in children. In lobar pneumonia and in broncho-pneumonia it renders good service when there is much congestion and breathing is greatly oppressed. In chronic respiratory disorders it is valuable either to increase or decrease secretion, accordingly as the fuller or lesser doses are used, and to relieve cough. For coughs, when dry, barking, or hacking, or when loud mucous rales are heard, but there is difficulty in raising the sputum, lobelia may be employed alone, or in mixtures or syrups as indicated. For chronic coughs requiring lobelia a good form is the compound liniment of stillingia (which see), which contains the so-called oil of lobelia. For the cough of measles, when a sluggish circulation and imperfect eruption are factors, it proves useful in quieting the laryngeal irritation, controlling the catarrhal features, and more perfectly bringing out a tardy efflorescence. In both scarlet fever and measles, lobelia, by causing determination of blood to the skin, promotes the eruption when tardy and re-establishes it when retrocession occurs. It modifies many cases of whooping cough where abundant secretions of a stringy character almost strangle the sufferer. In short lobelia is a most admirable respiratory stimulant when the mucous membranes are dry, or when relaxed and secretion is free but difficult of expectoration. It should not be forgotten as one of the most valuable medicines in all stages of la grippe and epidemic influenza, as a vital stimulant, to regulate an imperfect circulation, and to control cough and expectoration. It is an admirable drug in post-grippal catarrhs, following the specific indications as given. Lobelia is seldom indicated, nor is it well borne, in advanced pulmonary tuberculosis.

It has been assumed by some that lobelia possesses the properties of an antitoxin in the sense that that term is now employed in biologic medication. This assumption we believe to be unwarranted without definite and exact biological experimentation. Such unsupported vagaries bring into discredit otherwise good and efficient drugs. That quite remarkable results have been obtained from its use in grave blood -disorganizing and specific diseases seem probable. But lobelia is essentially a vital stimulant, and this property, more than an antitoxic action as now understood, better explains its beneficent effect in diphtheria and other depressing septicaemic diseases.

***Hypodermatic Use.*** For the so-called antitoxic and other general action, lobelia, hypodermatically administered, has come into prominent use in late years in many of the disorders for which the drug is given internally. In this manner the probability of nausea and vomiting is lessened, while its relaxant properties seem not to be diminished. In spasmodic asthma it sometimes gives prompt relief, and we have observed its effects most beneficially in gall-stone colic of a continuously nagging, though not very severe, type. We have also observed a remarkable increase of urine from the drug used in this way. To catalogue the conditions in which many have obtained asserted good effects would be to restate all the uses of lobelia given in this article, except that of emesis.

The subject of hypodermatic medication, involving a large number of vegetable medicines, has been purposely omitted from this work. The author is unalterably opposed to this too general practice because of the dangerous reactions that occur often enough to make one cautious. Thoughtless, and often unscrupulous, commercialism in medicine on the part of a few has brought about a demand from physicians for these hypodermatic forms of medicines, and to meet this demand reputable manufacturers of drugs have unwillingly yielded and have supplied a score or more of such preparations. Realizing that such preparations under the best of pharmacal care are liable to deleterious change or disintegration, or to the development of toxic material, the thoughtful manufacturer is unwilling to continue the supply of such drugs. Certain vegetable proteins may, and often do, become as obnoxious and dangerous as some animal proteins, and may produce allergic, or anaphylactic effects, as well as direct poisoning; and occasionally the most unhappy and near fatal consequences have resulted. Apparently lobelia and ergot are the safest of these preparations and they should not be recklessly or unnecessarily used, when other methods of medication may be just as effectually employed.

***Acetous Emetic Tincture.*** Like the Compound Emetic Powder, this agent is now seldom employed as an emetic. On the contrary its reputation rests on its value as a remedy in coughs, colds, and broncho-pulmonic complaints. It is of service when the indications are present for both lobelia and sanguinaria. These drugs are more effective when tinctured with a certain proportion of vinegar, hence the superiority of

this compound over the plain tinctures. Emetic tincture added to syrup will often render good service when a cough mixture for irritative cough, with deficient secretion, is desired. The dose of the tincture is from 20 to 60 drops.

### RELATED MEDICINE.

Tobacco (*Nicotiana Tabacum*, Linné) and *Nicotine*. Tobacco was once used to a considerable extent upon painful inflammatory swellings and to relax strangulated hernia. It is seldom employed as a drug at the present day. When unaccustomed to its use in chewing and smoking it acts profoundly, causing vomiting and great depression; toleration is soon established. Nicotine is of toxicological interest chiefly, but rarely it is used to subdue pain. A solution of the combined alkaloids of tobacco, containing 1 per cent of nicotine, is on the market as *Dynamyne*, a preparation devised by Lloyd and Howe. It is a green-colored hydro-alcoholic liquid designed for external use only, a solution of 1 to 4 fluidrachms in a pint of water being applied by means of a compress upon localized inflammations, and to relieve the pains of neuralgia, pleurodynia, rheumatism, felons, abscesses, etc. Some persons are very susceptible to nicotine, hence this preparation must be used with great caution, and care should be had in handling or inhaling it. A combination of tobacco alkaloids is an ingredient of Libradol.

### LUPULINUM.

Lupulin.

The glandular powder separated from the strobiles of *Humulus Lupulus*, Linné (Nat. Ord. Cannabaceae), the common Hop. (See *Humulus*.)

**Description.**—Brownish-yellow (becoming yellowish-brown), resinous granules, having the aromatic odor and bitter taste of hops. It is readily inflammable, and deteriorates upon long keeping. Dose, 5 to 20 grains in capsule or pill.

**Preparation.**—*Specific Medicine Lupulin*. Dose, 5 to 30 drops.

**Specific Indications.**—Nervousness, irritability, disposition to brood over trouble, delirium, insomnia, cerebral hyperemia; genital and mental irritability associated with spermatorrhea; fermentative dyspepsia, with acid eructations.

**Action and Therapy.**—Lupulin is administered in disorders for which infusion and tincture of hops were formerly given. It is a remedy for nervousness, to allay irritation and to produce sleep. It gives a sense of

mental tranquillity which makes it a valuable agent in nervous unrest due to nocturnal seminal emissions, and relieves irritation of the genital tract when associated with the latter. It relieves irritation of the bladder, with frequent urination, and is quite efficient in chordee. When delirium tremens is accompanied by cerebral hyperemia it is of considerable service. Insomnia due to nervous debility or to worry, or headache associated with active cerebral circulation, is benefited by lupulin; while for painful conditions it may be employed when they depend upon nervous debility. For the latter reason it has been given with success in dysmenorrhea, and other painful conditions of the uterus and in after-pains. Lupulin checks fermentative changes in the stomach, thus proving useful in yeasty indigestion with acid eructations and dilation of the stomach, and in the headache due to such gastric disturbance.

## LYCOPODIUM.

The spores of *Lycopodium clavatum*, Linné (Nat. Ord. Lycopodiaceae) or Club Moss, a creeping perennial found in most parts of the earth; gathered mostly in Germany, Russia, and Switzerland.

**Description.**—An odorless and tasteless, very mobile, light-yellow powder, impervious to but floating on cold water, sinking when boiled with water, and burning with a sudden flash when in contact with flame.

**Principal Constituents.**—Nearly 50 per cent of greenish-yellow fixed oil; sugar, 2 to 3 per cent, and a trace of *monomethylamine* ( $\text{CH}_3\text{NH}_2$ )

**Preparation.**—*Specific Medicine Lycopodium.* Dose, 1/10 to 30 drops.

**Specific Indications.**—Extreme sensitiveness to the touch; urine deposits red sandy or phosphatic particles and readily stains the clothing; water-brash; borborygmus.

**Action and Therapy.**—*External.* Lycopodium forms a good protective and absorbent dusting powder for irritated and inflamed surfaces, for which purpose it is largely used in excoriations, intertrigo, herpes, erysipelas, dermatitis, eczema, ulcers, etc. Possessing moisture-repellant qualities it is used in preparing pills of hygroscopic chemicals, to facilitate the manipulation of pill masses, and to keep pills from adhering to each other. It is also employed as the pulverulent base of many insufflations.

**Internal.** According to Scudder, lycopodium is adapted to disorders showing “extreme sensitiveness of the surface; sensitiveness of a part and care to prevent it being touched; slow, painful boils; nodes or swellings; external sensitiveness of the organs of special sense, with pale, livid, or dirty complexion.”

Lycopodium is of much value in obscure forms of malarial fever, with afternoon exacerbations, and deep-red, scanty urine, which readily stains the garments. The fever is not active, but very depressing and intractable, and may be accompanied by sore throat, colic, diarrhoea, dysentery, or constipation. Used according to the specific indications, it is a useful gastric sedative, when in addition there is a sense of fullness and tenderness of the stomach. It often proves effective in pyrosis and fermentative indigestion, with borborygmus.

Lycopodium frequently relieves renal disorders with blood in the urine, and is of service in catarrh of the bladder in adults with painful micturition and gritty concretions. It should be given a fair trial in the lithic acid diathesis, when the passage of urine is attended by pain and red, sand-like particles are voided. The small dose, from the fraction of a drop to five drops of the specific medicine, is the most advantageous form of administration.

## LYCOPUS.

The whole herb *Lycopus virginicus*, Linné (Nat. Ord. Labiatae). Common in shady, moist and boggy places throughout the United States. **Dose**, 1 to 60 grains.

Common Names: Bugle Weed, Sweet Bugle, Paul's Betony.

**Principal Constituents.**—Tannic and gallic acids, a crystallizable glucoside, resin, and a volatile oil.

**Preparation.**—*Specific Medicine Lycopus.* **Dose**, 1 to 60 drops.

**Specific Indications.**—Vascular excitement, with rapid, tumultuous action of the heart, but lacking power; hemorrhage, passive and in small quantities, resulting from determination of blood to the lungs, kidneys, or gastro-intestinal canal; chronic debilitating cough, with weak and rapid heart action and expectoration of mucus or muco-pus; morbid vigilance and wakefulness, with inordinately active but weak

circulation; albuminuria with the above characteristic circulatory disturbances; polyuria and some cases of diabetes with rapid heart action.

**Therapy.**—Lycopus is sedative, subastringent, and tonic. No other drug exactly duplicates its value in circulatory disturbances. Apparently its force is chiefly expended on the vascular structures and the sympathetic nervous system. Its sedative action is most certain when the circulation is excited—even tumultuous—with lessened cardiac power. This evident want of heart-energy, with quickened velocity, is the most direct indication for lycopus. For this purpose especially it is greatly valued in the advanced stages of acute diseases with great debility, and in chronic diseases with frequent pulse. Its action upon the stomach is kindly, and being a mild gastric tonic the appetite is sharpened and digestion facilitated. Normal secretion is favored by it, and blood-making and nutrition improved. Upon the cardio-vascular system it has been compared in action to digitalis, though it is far less powerful than that drug, and besides is non-poisonous and not cumulative. The influence of lycopus extends to all parts under control of the vegetative chain of nerves.

Lycopus is preeminently useful in passive hemorrhage, when the bleeding is frequent and small in amount. Thus it has acted well in epistaxis, hematemesis, hematuria, metrorrhagia, and intestinal bleeding. Its greatest utility, however, is in passive pulmonary hemorrhage (hemoptysis). It probably acts by controlling the rapidity of the blood-current. In the first-named hemorrhages it may also act upon the unstriped muscular fibers, but in the pulmonary form these smooth fibers are largely absent in the small vascular terminals where the bleeding is most likely to occur. Therefore the control over the velocity of the circulation, and not its vaso-motor effects, seems the most rational explanation of its control in bleeding from the lungs. Whatever the cause of its action, it is nevertheless most decidedly effective.

Lycopus, by lessening irritation, allaying nervous excitement, and slowing and strengthening the heart, and consequently reducing fever and pain, is often successfully used in acute pulmonic complaints. It is more valuable, however, in chronic lung affections, to fulfill the same purposes, besides controlling or tending to prevent hemorrhage. In chronic bronchitis, with copious expectoration, and in chronic interstitial pneumonia, it has rendered good service. While by no

means to be rated as an antitubercular agent, its cardio-vascular control and antihemorrhagic power make it an agent of unrivaled worth in those who show every evidence of tending toward a phthisical end, and we believe it will do as much as a medicine can do to stay the distressing ravages of pulmonary tuberculosis. When established it aids in relieving cough, pain, fever and the rapid and excited heart action. In pulmonary hemorrhage we have frequently used with it specific medicines ipecac and cinnamon with the happiest of results. The chief guides to its selection in respiratory therapeutics are the hemorrhage and circulatory excitability.

In heart disorders, both functional and organic, lycopus should not be disregarded. It may be used where digitalis cannot be employed on account of its offensive action upon the stomach. Administered to patients suffering from endocarditis and pericarditis it has sometimes subdued the inflammation. It is a good remedy in cardiac palpitation, dependent upon irritation of the cardiac nerve centers, or when arising from organic lesions. It is best adapted to those forms of heart disease characterized by irritability, irregularity, and weakness, with dyspnea and praecordial oppression. Lycopus powerfully increases the contraction of the non-striated muscular fibers, particularly those of the heart and arteries, hence its value in cardiac dilatation and hypertrophy—conditions which have been known to undergo marked improvement under its administration. It quickly relieves the suffering and anxiety nearly always experienced in heart diseases; and is of especial value to relieve the rapid heart action of excessive smokers.

Lycopus is a remedy for morbid vigilance and insomnia attendant upon either acute or chronic diseases; and is especially serviceable when sleep is prevented by the exaggerated force of the heart. It has been ill-advised, and is largely over-rated, for the cure of diabetes and the relief of chronic nephritis. The most it can do in these conditions is to allay unpleasant heart symptoms and quiet nervous unrest. It has favorably influenced the circulatory aberrations in exophthalmic goitre, but far more often it has failed. Painful and distressing forms of indigestion are sometimes relieved by it, and it has been employed with advantage in simple diarrhea (lientery), dysenteric diarrhea, and especially in the diarrhea of phthisis, and the gastric disturbances of the drunkard.

**monographs extracted from**  
**The Eclectic Materia Medica, Pharmacology and Therapeutics**  
**by Harvey Wickes Felter, M.D. (1922)**

NOTE: Throughout these monographs are references to “Specific Medicines”. In some respects Specific Medicines are the single reason that Eclecticism survived so long in the face of “Organized Medicine” and were still being manufactured for the surviving Eclectic M.D.s as late as the early 1960s. Using up to eight organic solvents and the Lloyd Extractor, Specific Medicines represented the strongest possible concentration of the bioactive aspects of botanicals that would stay in a colloidal solution.

Perfected over four decades by John Uri Lloyd, each Specific Medicine was prepared according to the nature of THAT specific plant. You cannot translate a Specific Medicine into “tincture” or “fluidextract”. The latter are GENERIC or standard strengths applied across the board to ALL botanicals. A Specific Medicine represented the greatest strength, without degradation, for a PARTICULAR plant, using anywhere from several to all of the solvents to achieve this. The Eclectic physician was trained to use botanicals in an oftentimes rural setting, and these medicines had to resist breakdown in the deepest winter and the hottest summer. Since they needed to contain even the most ephemeral constituents of a plant remedy, Lloyd approached each plant separately.

The amazing quality of these preparations assuredly maintained the Eclectic Movement long after others had faded. Lloyd’s recipes were Patent Medicines, were not “official”, and when relatives finally closed down the Lloyd Brother’s Pharmacy in Cincinnati, these formulae disappeared. One of the hottest topics for many years amongst professional herbalists in North America and Europe has been “So who has the Lloyd Formulas, already?” Since we cannot access them, the best approach is the use of well made tinctures, capsules or tea. I might suggest the preparations and doses recommended in my Herbal Materia Medica 5.0 as a starting place...in many respects I am perhaps a “Neo-Eclectic” at heart, and have tended to follow the later Eclectics in my approach to plants and dosages.

Michael Moore  
Bisbee, Arizona  
October, 2001