

act in simple gastralgia (Memmi). **Olive Oil** internally, a valuable adjunct (Cohnheim). **Ice-bag**, to the epigastrium, for pain and vomiting (R). **Nutrient Enemata**, to rest the stomach; (see under ENEMATA for formula); Brandy may be added, also Laudanum gtt. x-xx, if the rectum is irritable (B). **Milk-cure**, has succeeded admirably (B); a strictly skimmed milk diet with Lime-water, 2 parts of milk to 1 of Aqua Calcis (Da C). **Diet**, should be of non-irritating character, with cold or hot compresses to the epigastrium, leaves little room for medicine: in bad cases nourish per rectum so as to give the stomach complete rest; in any case use such food as is chiefly digested in the small intestine, farinaceous vegetables, rice, arrowroot, etc. A nice change from milk diet is a warmed pancreas, chopped up with rare meat, being nutritious and well relished (Da C). **Rest**, in bed for several months is imperative (Da C). **Defibrinated Blood**, by injection into rectum, in doses of ℥ij-vj (A. H. Smith). [Compare HEMATEMESIS.]

℞. Bismuthi Subcarb.,..... ℥ij.
Morphinæ Sulph.,..... gr. j-ij.
Pulv. Aromat.,..... ℥j.
Ft. pulv. no. xij. Sig.—One powder in
milk before each meal.

℞. Argenti Oxidi,..... gr. v.
vel Zinci Oxidi,..... ℥ss.
Morphinæ Sulph.,..... gr. j-ij.
Ft. pil. no. x. Sig.—One pill thrice daily,
before meals.

Gastritis, Acute.

Mercury, Calomel in broken doses with ice, frequently swallowed, for the idiopathic form, which is occasionally seen and cannot be distinguished from that due to irritant poisons (Da C). **Bismuth**, the Subnitrate or Subcarbonate in full doses after the acute symptoms have abated (Da C). **Morphine**, hypodermically for pain (B). **Ice**, internally and externally gives great relief (R). **Papain** gave rapid relief in several cases (Sittman). **Condurango** as a gastric sedative. **Ichthoform** has been used in many cases of acute gastro-enteritis with success (Goldman). **Aliment** should be administered per rectum; no food, except milk and Lime-water, being admitted to the stomach for some time (Da C). **Antidotes**, in cases of irritant poisoning, as Alkalies to neutralize acids, Dialyzed Iron or the Ferric Hydroxide for arsenic, Turpentine for phosphorus, etc. (see POISONING): then Oil, Albumin or milk, to protect the mucous membrane; stimulants, Opium, Ammonia, etc., to antagonize depression of the vital powers.

Gastritis, Chronic.

Arsenic, sometimes surprisingly curative; for the vomiting gtt. j-ij of Fowler's solution before meals (B). **Pulsatilla**, in subacute gastritis of phlegmatic temperaments, white tongue, heartburn, nausea, flatulence, little or no taste (P). **Hydrastis**, gtt. v-xv of tincture or fluidextract, daily before meals, especially for gastric catarrh of acute alcoholism (B). **Nux Vomica**, gtt. j of tincture every 5 to 10 minutes for 8 or 10 doses, in acute gastric catarrh, with headache or sick-headache; also drop or 2-drop doses every 2 hours or oftener, when chronic gastric catarrh occurs in the course of chronic disease (R). **Cinchona**, to promote healthy state of mucous membrane, the infusion with mineral acids, or Quinine; the Red Bark in gastric catarrh of drunkards (B). **Alkalies**, either shortly before meals to stimulate production of gastric juice, or some hours after to neutralize the acids of decomposition (Da C). **Podophyllum**, in small doses at night, to act on upper bowel; purgation as a method of treatment stands at the head (Da C). **Ipecac**, in small doses may prove useful, ℥v-x of the wine (P); for the nausea and vomiting (R). **Tannic Acid**, in 4-grain doses with a drop of glycerin to make a pill (B). **Tannalbin** is useful in chronic catarrh of the stomach (Porter). **Orexin Tannate** is very efficient in chronic gastric catarrh of primary form, when secretion of hydrochloric acid is deficient (Kölbl). **Ichthoform** used successfully in many cases (Goldman). **Bismuth Subnitrate**, is very useful in chronic gastritis, especially that of drunkards, and the chronic gastric catarrh of children with vomiting (R); invaluable for its sedative, alterative and astringent action; 10-15 grain doses several hours after meals (Da C); the Subgallate (Dermatol) is being advertised as a remedy for chronic gastritis. **Bismuth Salicylate**, as an internal antiseptic, is praised

in chronic gastric affections. **Strontium Bromide**, gave successful results in 32 cases of gastric catarrh (Sée). **Resorcinol**, acts exceedingly well. **Glycozone**, is one of the best remedies for the chronic gastric catarrh of alcoholism, and that from other causes (Edson). **Hydrocyanic Acid**, is much used (R); in subacute gastritis it often proves useful given in an ordinary effervescing draught (Wa). **Silver Nitrate**, in $\frac{1}{4}$ or $\frac{1}{2}$ -grain doses with Opium if pain, or preferably Belladonna, is extremely useful (Da C); to check pain and vomiting (R). **Silver Oxide**, is nearly as good as the nitrate, and not liable to produce staining (Da C). **Opium**, or **Morphine**, to quell pain in chronic gastritis from alcoholic excess (R). **Eucalyptus**, a useful stomachic, not to be used in inflammatory states (B); is used with benefit (R). **Mercury**, the Yellow Oxide, in minute doses, very useful in septic dyspepsia and chronic gastritis (Schaffer). **Caffeine**, when gastritis is complicated with migraine (B). **Ammonium Chloride** has much repute among German physicians (B). **Calumba** and other bitters are sometimes useful (B). **Condurango** relieves, by its astringent and sedative actions. **Alum** when vomiting of glairy mucus (B). **Lead Acetate** with Morphine, in chronic gastritis with gastralgia and pyrosis (B). **Pepsin** after meals, to assist digestion (Da C). **Taka-diastrase** is efficient in cases distressed by farinaceous food (Meade). **Aliment**, such as will be digested in the small intestine; requires careful attention; the milk-cure has been very effective in bad cases; malt liquors are harmful (B); mineral waters of purgative type, to keep the portal system drained: exercise is not beneficial, better live quietly and occasionally spend a day or two in bed (Da C): Kumyss agreeable and tolerant to stomach; the milk-cure and buttermilk have been efficient; the farinaceous vegetables, rice, tapioca, arrowroot, aerated bread. [Compare DYSPEPSIA, GASTRALGIA.]

℞. Sodii Bicarbonat.,..... ℥jss.
Tinct. Aurantii Cort.,..... ℥ss.
Infusi Calumbæ, q. s. ad ℥vij.
M. Sig.—Two tablesp. before each meal.
In chronic gastric catarrh.

℞. Magnesi Sulphatis,..... ℥j-ij.
Sodii et Potassii Tart.,..... ℥ss-j.
Ac. Tartarici,..... gr. xx.
Sig.—Dissolve in a glass of water and
drink, an hour before breakfast.

Glanders and Farcy.

Ammonium Carbonate, in water hourly, as concentrated as can be swallowed, followed by an opiate and preceded by an emetic of Ipecac, and an incision into each of Wharton's ducts; proved successful in a case of acute glanders (Wa). **Phenol**, and the **Sulphites**, as Sodium Sulphite, are most worthy of trial. **Creosote**, or Phenol in Glycerin, locally (Wa); or dilute Chlorinated Soda and Lime-water. **Escharotics**, to destroy the affected spot, if inoculation occurs. **Iodine**, internally, also **Arsenic** and **Strychnine**, have been recommended. **Quinine**, in large doses and **Ferric Chloride**, may be useful. **Potassium Iodide**, ℥jss daily, with baths in Hot Springs of Arkansas, conquered the disease in me, probably the only man who ever survived it (Paquin). **Treatment**, no drug yet tried has any marked specific effect on the disease (Durham). **Mallein**, for diagnostic purposes.

Glandular Affections.

Iodine and **Iodides**, no remedy more efficient, when simple hypertrophy; useless (with all other medicines) when caseation or suppuration has set in: Iodine injected into cystic and glandular growths of neck; Syrup of Ferrous Iodide occupies an important place (B); Potassium Iodide for mammae and testicles, but especially for thyroid (R). **Iodoform** is equal, if not superior to Iodine, in enlarged scrofulous glands and other glandular swellings (Wa). **Lead Iodide**, as an ointment. **Ung. Hydrarg. Iodidi Rubri**, produces very striking effects in goitre, enlarged spleen (B). **Sulphides**, especially the Blue Lick water, are said to abort or to mature suppuration in glands (R). **Calcium Sulphide**, for hard, swollen glands behind the angle of the jaw, with deep-seated suppuration (R). **Calcium Chloride**, highly useful in strumous inflammation and suppuration (B). **Potassium Chlorate** internally, to limit formation of pus in suppurative adenitis (Mastin); in the cervical adenitis of infancy (South-

worth). **Pilocarpus**, is curative in acute affections of parotid and submaxillary glands (B). **Mercury**, useful in acute inflammatory states, tonsillitis, parotitis; Hydr. Chlor. Corr. gr. $\frac{1}{20}$ or Hydr. cum Creta, gr. $\frac{1}{5}$, every two hours (B); the Oleate of Mercury and Morphine in obstinate and painful tonsillitis and inflammation of lymphatic glands (R). **Aurum Salts**, have cured enlarged and indurated cervical glands. **Aurum and Arsenic Bromide**, the solution is highly efficient in cervical adenitis (Barclay); rendered good service in a case of adenitis with enormous enlargement of the left side of the neck (E. A. Wood). **Belladonna**, especially in tonsillitis (P). **Valerian**, with **Guaiaacum**, in strumous enlargement (P). **Hydrastis**, frequently controls (P). **Phenol**, in a 2 per cent. solution injected into substance of gland (B). **Electrolysis**, used by me to remove a number of swollen and painful lymphatic glands in the neck (Remak); by the use of strong and often interrupted faradic currents multiple indurated lymphatic tumors have been removed or diminished (Meyer); enlarged glands have been repeatedly cured by electrolysis (B). [Compare BUBO, GOITRE, LYMPHADENOMA, PAROTITIS, TABES MESENTERICA, TONSILLITIS, WEN.]

Glaucoma.

Atropine, gr. $\frac{1}{60}$ hypodermically is beneficial (Anstie); imprudently used has caused the disease (Graefe, Wells); should not be indiscriminately instilled into the eyes of persons over 35 or 40 years of age, in whom it may light up a latent or incipient glaucoma. **Physostigmine**, lowers intra-ocular tension, and with **Quinine** is indicated in all cases of threatened glaucoma, to preserve the eye from the risk of consecutive glaucoma, and after iridectomy or sclerotomy (de Wecker). **Sodium Salicylate** in large doses, an efficient remedy in acute glaucoma (Sutphen). **Dionin** in 10 per cent. solution by instillation, should be the ideal agent for use by the general practitioner in cases where it is uncertain whether the disease is glaucoma or iritis (Reber); in 4 to 7 per cent. solution, with a myotic, to relieve pain and check the disease. **Iridectomy**, the only remedy for the disease, medicine being worse than useless; the operation should be performed as soon as a state exists which can be called glaucomatous; even when vision is lost the operation will best relieve the pain (C); almost a certain cure in early stages, in later nearly always palliative and often curative. **Drainage of Eye**, by gold wire or catgut, has proved successful (de Wecker).

Gleet.

Cantharis, in drop doses, when frequent desire and pain in region of prostate (R); of benefit in subjects of relaxed fibre and feeble circulation (B). **Blisters**, to the perineum, of undoubted benefit (R). **Piper Methysticum**, has cured obstinate gleet (Switzer). **Bismuth**, \mathfrak{r} , glycerin \mathfrak{r} , water 6 parts, as an injection, often useful in gleet (R). **Eucalyptol**, is used with benefit in chronic catarrh of the genito-urinary tract (R). **Iron**, the tincture of the Chloride, \mathfrak{ss} in \mathfrak{Oss} of water with $\mathfrak{5j}$ of Laudanum, makes a good injection for gleet (R); internally for anemic subjects (St). **Mercury**, $\frac{1}{2}$ grain of Corrosive Sublimate in $\mathfrak{5vj}$ of water, is a good injection in gleet, used every 2, 3 or 4 hours (R); Donovan's solution in doses of 10 minims thrice daily, so uniformly successful in controlling chronic urethral discharge as to be almost a specific for gleet. **Zinc Salts**, the Sulphate or Chloride, gr. \mathfrak{ij} of the latter to a pint of water, as injection every hour (R). **Bougies**, of gelatin, medicated with astringents, are extremely efficient. **Turpentine**, in moderate doses, when due to relaxed condition (R). **Copper Sulphate**, a solution as injection (R); astringent injections may be used with benefit (Wa). **Copaiba**, smeared on a bougie and introduced into the urethra, will sometimes cause gleet to yield (Wa). **Sandalwood Oil**, \mathfrak{xxv} ter die (R). **Glycerite of Tannin**, with equal quantity of Olive Oil or mucilage, as injection, $\mathfrak{5ij}$ enough; persevere 8 or 10 days after discharge ceases and do not use at bedtime (R). **Balsams of Peru and Tolu**, **Buchu**, **Canada Balsam**, **Copaiba**, **Mastic**, and **Tannin**, are used with advantage (P, R). Gleet is often kept up by over-treatment, will some time or other come to an end (St). **Diet and Habits** important; stimulants, both solid and liquid, should

be rigidly avoided, also coffee; frequent ablutions, fresh air, good nourishment. [Compare GONORRHEA.]

R. Ac. Tannici,.....	gr. x.	R. Cantharidis,.....	gr. iiij.
Bismuthi Subnit.,.....	$\mathfrak{5ij}$.	Ol. Terebinth.,.....	$\mathfrak{5j}$.
Aq. Rosæ,.....	$\mathfrak{5vj}$.	M. Ft. pil. no. xij.	Sig.—One thrice
M. Sig.—Shake and use as an injection		daily in obstinate gleet. If strangury occur,	
thrice daily.	(Maury.)	stop for a day or two.	

Glossitis.

Bismuth, gr. xx of Subnitrate with $\mathfrak{5j}$ of glycerin and $\mathfrak{5vj}$ of water, as lotion for erythematous inflammation of the tongue (A). **Purgatives**, with gargles, leeches, antiphlogistic regimen generally (D). **Quinine** and **Iron**, should be given internally, with dilute acid washes, and free purgation (Cl). **Alum**, dry, powdered, may be dusted on tongue (Cl). **Leeches**, applied beneath the jaw, if symptoms are urgent (Cl). **Abscess**, should be opened, if any form. **Incisions**, along superior surface, followed by vapor of hot water, may instantly relieve congestion (A). **Tracheotomy** or **Laryngotomy**, if suffocation is apparently imminent (A).

Glottis, Edema of.

Ammonium Benzoate, large doses given in $\mathfrak{5ss}$ of whiskey every 2 hours, the best treatment (Seiler); checks the affection in 24 or 36 hours (Coston). **Emetics**, when edema slight (A). **Inhalations**, of steam with Benzoin or Conium of great service (A); or of Tannin, grain viij or x to $\mathfrak{5j}$ of water; or Alum, gr. x to the $\mathfrak{5}$, or a saturated solution of Potassium Chlorate, all as spray (Walker). **Ethyl Iodide**, by inhalation, proved curative in one case in which it was repeated twelve times (Sée). **Scarification**, by laryngeal lancet, of paramount value (A). **Tracheotomy**, if the above fail (A). O'Dwyer's laryngeal tubation promises well. [Compare CROUP, LARYNGITIS.]

Goitre.

Iodine, is curative in simple hypertrophy (ordinary goitre) used both internally and externally: deep injection of the tincture is very successful in cystic degeneration of the gland (B); also in the fibrous and fibro-cystic varieties, if injection be made into the tumor; dangerous, if into a vein or into the surrounding areolar tissue (Wa). **Mercuric Iodide**, as oint. assisted by the sun's rays; a piece the size of a large pea rubbed in daily, very successfully used in India for simple hypertrophy (R); the Unguentum Hydrargyri Iodidi Rubri, \mathfrak{r} in $\mathfrak{10}$, daily (B); is too strong (Gross); gr. xv to the $\mathfrak{5}$ strong enough for the worst cases (Wa). **Potassium Iodide**, internally, also externally as ointment, in simple hypertrophy of the gland (R). **Strychnine**, gr. $\frac{1}{16}$ thrice daily, has been successful in several cases (Holmes). **Ferric Chloride**, injections of the solution used in thirty-eight cases with curative results (Mackenzie). **Ergotin**, injected with benefit into the parenchyma of the goitre (P); also used hypodermically with good results (Wa). **Ammonium Chloride**, as an internal remedy has proved curative (Stevens). **Thyroid Gland**, $\mathfrak{5j}$ to \mathfrak{ij} , once a week, cured 4 children completely, and cured or relieved 9 out of 12 cases so treated (Bruns); Thyroid Extract is used successfully (Edmunds). **Spongia Usta**, was formerly considered a sovereign remedy (Wa). **Seton**, has cured. **Fluoric Acid**, in doses of \mathfrak{xxv} to $\mathfrak{5j}$ thrice daily, largely diluted, cured seventeen cases out of twenty (Woakes). **Electrolysis**, has sometimes cured in cases of simple hypertrophy and cystic gland (B); 6 out of 14 test cases of goitre were absolutely cured by electrolysis (Duncan). **Excision**, is a very difficult operation, only to be considered in extreme cases; it has been performed successfully by Desault, Harris, Lane, Hedenus, Billroth and Greene. [Compare EXOPHTHALMOS.]

R. Ammonii Chloridi,.....	$\mathfrak{5vss}$.	R. Unguenti Hydrargyri Iodidi	
Syrupi Simplicis,.....	$\mathfrak{5ss}$.	Rubri,.....	$\mathfrak{5j}$.
Aq. Cinnamomi,.....	$\mathfrak{5iv}$.	Petrolati,.....	$\mathfrak{5vij}$.
M. Sig.—Teasp. thrice daily.		M. Sig.—Use as directed.	

Gonorrhœa.

Aconite, a drop of tinct. each hour in the acute stage (R); when inflammation (Pf, St). **Gelsemium**, serviceable, acute stage (Pf). **Methylene Blue**, in doses of gr. ij thrice daily, given in the earlier stages, will shorten the course of the disease (Horwitz). **Alkalies**, Citrates or Bicarbonates to render the urine alkaline (R); Lithium Carbonate in five-grain doses thrice daily, for the same purpose: Alkalies are the chief factor in Otis' treatment; Potassium Bicarb., gr. x in a tumbler of water or in Flaxseed tea, or Infusion of Triticum with gr. xv of Potass. Bromide if great pain present; Vichy Water (Celestin) freely (Otis); Potassium Bromide internally, with purgatives, low diet, and the zinc chloride injection (Hutchinson). **Tartar Emetic** pushed to nausea, in severe cases, penis much inflamed (Id). **Cubeb** unlike Copaiiba is given with good effect in the acute stage; is not irritant to the stomach (Wa). **Oil of Santal** in subacute cases (P); the best internal remedy (St); a good quality difficult to obtain (Pf). **Copaiba** in the second stage; if given too early in the disease it will aggravate the symptoms (P); should not be used until pain in urinating is nearly gone, chordee ceased and the discharge diminishing and of yellow color (Wa); does no good but is injurious, and prolongs the disease (Otis). **Saw Palmetto**, the fluidextract of the berries of this palm, has been used with good results in doses of ʒj (Porter). **Cannabis Sativa**, after acute symptoms subside, a few drops 3 or 4 times a day, is fully as effectual as Copaiiba or Sandal and infinitely more pleasant to take (Pf). **Cannabis Indica**, relieves pain, diminishes discharge (P); occasionally useful (R). **Colchicum**, the wine of the seed has frequently cured gonorrhœa, and was used in thirty-minim doses nightly for the relief of chordee by Brodie (B). **Ferric Chloride**, when acute stage has passed and the discharge is degenerating into gleet, few remedies are more useful than this tincture in doses of ʒxv-xx thrice daily (Wa). **Turpentine**, in chronic stage when parts are relaxed, moderate doses are of great benefit (B). **Cantharis**, drop-doses may be used (R); in the chronic stage (B). **Pulsatilla**, in subacute and gonorrhœal ophthalmia (P). **Salol** in emulsion is serviceable. **Balsams** of Peru and Tolu, also Buchu, Uva Ursi, Chimaphila and Pareira, are among the numerous internal remedies used (R). No member of the so-called anti-blennorrhagic drugs has the slightest virtue in acute or chronic urethral disease (Nelken).

Injections, of Tannin, Copper Sulphate, Iron, Cadmium, Port-wine, Brandy-and-water and 1000 other agents (R); injections are very bad, especially in the acute stage; should never be used until the 5th week and then only if the case is not progressing (Otis); true gonorrhœa is never cured in less than four weeks (Van Buren and Keyes); urethritis is a different disease entirely (Otis). **Silver Nitrate**, a weak solution, gr. j-v to the ʒ, as injection; in vaginal gonorrhœa a strong solution, ʒj to the ʒ, through speculum to every part of the canal (B); as abortive injection is useless and dangerous (St): Silver is the only drug which has stood the test of time (Yale). **Argyrol**, Silver Vitellin, is the most satisfactory gonococcide ever used (Otis); the best and safest of the silver preparations (Kevin); 1 to 5 per cent. solution held in the urethra 5 minutes 4 times daily. **Protargol**, Silver Protein, a few drops of a 20 per cent. solution in glycerin instilled into the fossa navicularis after a suspected coitus, will secure almost perfect immunity from infection (Kopp); in gonorrhœa a 1 per cent. solution injected every 30 minutes during the day (Neisser); causes but little irritation and a rather speedy checking of the gonorrhœal discharge; on the whole it presents no decided advantage over silver nitrate (Kopp). **Itrol**, Silver Citrate, is strongly advocated by Crédé, and seems to possess real merit, its disadvantages are the difficulty of preparing aqueous solutions and the rapidity with which they decompose (Id). **Argonin**, Silver Casein, in 3 to 10 per cent. solution, a highly efficient injection (Daniel); is less irritant than silver nitrate and less efficient (Kopp); up to 4 per cent. strength of solution it usually does not irritate. **Largin**, Silver Protalbin, irritates about as much as the nitrate and possesses no marked superiority over the latter salt (Kopp). **Argentamin**, is markedly irritant even in 1 to 4000 solution; no cures resulted from its sole use (Id). **Nargol**, in 1 to 3 per cent solution, rapidly lessens the discharge (Burnet). **Picratol**, ʒj of the saturated aqueous solution to a quart of water as injection, or by urethral suppository

containing gr. ss-j in chronic cases, is very efficient, the discharge ceasing in 3 or 4 days (Yale). **Ichthargan**, 1 in 2000 to 1 in 1000 (Eberson); 1 in 5000 to 1 in 3000 (Goldberg); is vastly superior to Protargol (Fürst); used with great satisfaction (Lohnstein); promptly kills the gonococci and changes the purulent discharge to a serous one (Leistikov). **Zinc Salts**, a weak injection of the Chloride, gr. j to ʒvj or viij of Rose-water; or of the Sulphate, gr. j to the ʒ, frequently repeated, is probably the best treatment (B); the best injections are those of the Sulphate or Acetate, gr. vj-xij to ʒiv aquæ, after the acute inflammation subsides (St); the Sulphate gr. jss to the ʒ of water, as injection after each urination, preferred to any other local treatment (Molina); the Chloride has been used for 50 years, gr. j-ij to the ʒ of water, as gonococcide and astringent injection, used in the acute stage prevents complications (Hutchinson). **Zinol**, gr. j-ij to the ʒ of water, a useful injection. **Potassium Permanganate**, a solution of 1 to 1000, one or two quarts at each sitting, washing out the bladder as well as the urethra several times daily, is highly efficient; a solution of 1 or 2 per cent. as injection in chronic gonorrhœa (Keyes); a hot solution of 1 in 2000, gradually increased to 1 in 1000, injected into the bladder, in chronic gonorrhœa, especially posterior urethritis (Ultzmann); has proved disappointing, both as an abortive agent and for acute gonorrhœa (Kopp). **Mercury**, excellent results from Corrosive Sublimate (Pf); gr. 1-3 to ʒviij aquæ destill. in subacute and chronic stages, as injection thrice daily; may have gr. ss-j of Zinc Chloride added with benefit; is often effectual (Wa): the Oxy-cyanide, in solutions of 1 to 3000 or 1 to 1000, is well tolerated by the urethral mucous membrane; resembles Protargol in action and has no specific power in gonorrhœa (Kopp). **Mercurool** is a decided advance over the old treatment by balsamics internally and astringent injections (Guiteras). **Bismuth**, the oleate, smeared on a sound, and inserted for 5 minutes (Shoemaker); with mucilage as an injection, excellent in chronic gonorrhœa (Hill). **Lead Acetate**, the dilute solution of the Subacetate, as injection, may be employed at any stage (B). **Chloral**, a weak solution, gr. j-iv to the ʒ, a very good injection (Hill). **Resorcinol**, a 1 per cent. solution makes a useful injection (Wa). **Antipyrine** 100 parts, Corrosive Sublimate 1, Distilled Water 10,000, used as injection four times daily and retained as long as possible (Vatier). **Boric Acid** ʒiss, Tinct. Iodine ʒij, Glycerin ʒij, Distilled Water q. s. ad ʒiv, as injection morning and night, has given excellent results in both acute and chronic cases when other treatment proved inefficient (James). **Ichthyol** is superior to all other agents (Neisser); especially valuable in females, a solution of 1 to 5 per cent. as urethral injection, and a 5 to 10 per cent. solution applied to the cervical canal (Clarke). **Acetozone** locally on vaginal tampon, the aqueous solution is the best agent for female cases, and equally good in the male (McDonald). **Formaldehyde** in 1 to 1000 solution as wash for vulva, 2 to 3 per cent. for vagina, 1 in 500 for cervical canal of the uterus, in gonorrhœa of women (De Smet). **Hydrastis**, ʒx-xx of the fluid extract to the ʒ, suspended in mucilage, often of service in the second stage (W); an infusion of the root, 1 to 8, as an injection (Pf). **Alummol** in solution, 1 to 3 per cent., is reported an efficient injection. **Gallo-bromol** in 1 or 2 per cent. solution, may be used as an injection. **Irrigation** of the deep urethra is injurious in acute cases, leading to complications (Horwitz). **Abortive Treatment** is futile, the disease is not curable in less than 4 weeks (Id). **Soluble Bougies** made of Iodoform, Eucalyptus and Cacao-butter, are highly recommended to cut the disease short (Wa); a series of similar preparations, having a basis of gelatin and glycerin, medicated with the usual astringent and sedative drugs, may be obtained of the drug trade. **Wrappings** of several folds of cotton are heating and uncomfortable, also dirty and productive of balanitis, etc.; pin a false front to the shirt for covering (St). **Rest**, in bed is an absolute desideratum, especially during the inflammatory stage. Hot water, 100° F., to the penis during urination, extreme cleanliness, milk diet; water freely as a beverage, flavored with a few drops of Oil of Gaultheria; or Flaxseed tea, or Infusion of Triticum with Potassium Bicarbonate. Sexual thoughts to be entirely avoided (Otis). **Alcohol**, or any other stimulant, must be avoided entirely (R). [Compare CHORDEE, CYSTITIS, GLEET, ORCHITIS, RHEUMATISM GONORRHEAL, URETHRITIS, URETHRAL STRICTURE, VAGINITIS.]

For Internal Use.

- R̄. Potassii Citratis,..... ʒss-j.
 Spt. Limonis,..... ʒss.
 Syr. Simplicis,..... ʒij.
 Aquæ,..... ʒj.
 M. Sig.—Dessertsp. largely diluted, 3 or 4 times daily. As alkali for the increasing stage. (Otis.)
- R̄. Oleoresinæ Cubebæ,..... ʒiv.
 Potassii Bromidi,..... ʒj.
 Olei Sassafras,..... ʒxx.
 Syr. Acaciæ,..... ʒij.
 Aquæ,..... q. s. ad ʒvj.
 M. Sig.—Dessertsp. 3 or 4 times daily. (J. Wm. White.)
- R̄. Phenylis Salicylatis,
 Sodii Bromidi,
 Potassii Bicarb., āā ʒss.
 Misce, et div. in chartas no. xxiv.
 Sig.—One powder every 2 hours in the early inflammatory stage. (Christian.)

[For Emulsion of Copaiba see the title EMULSA, and for Injection Brou see the title INJECTIONES, in Part II.]

Gout.

Colchicum has long been recognized as a specific, to abort a paroxysm or to lessen severity of the symptoms when the attack has developed (W); ʒj of the wine often removes the severest pain in an hour or two, and soon the swelling and heat subside (R); it is especially useful in acute and rheumatic gout (B); is not specific, nor a lasting or final remedy for gout, but acts very directly on the pain and inflammation of acute attacks (P); is useful in the bronchitis, asthma, dyspepsia, urticaria, etc., of gouty subjects (R). **Colchicine Salicylate**, is highly efficient in chronic gout. **Alkalies** are among the efficacious remedies (Croftan); alkaline waters have long had a deserved reputation (B); alkalies are decidedly useful in chronic conditions (Haig). **Lithium Salts** are of some value in chronic cases (W); the Bromide internally and a strong solution of Lithia to the joints (B); the Bromide is the most efficient agent in combating the disease (Aulde); the Carbonate, in solution, gr. v to the ʒ, on lint around gouty enlargements and joints (R); Lithia clears the blood of uric acid but retains it in the body, driving it into the tissues (Haig). **Sodium Salicylate** in sufficient quantity will quickly relieve a typical attack of acute gout (Id); 10 grains every 2 hours internally, also ʒij in ʒvij of warm water as lotion on lint covered with oiled silk, in acute gout is very efficient treatment. Salicylates do not cure gout, they simply aid in keeping down the diathesis (W). **Ammonium Salicylate** is much better than the sodium salt, which is the worst of all the salicylates; the Strontium salt acts slowly and does not derange the digestion like the others; it is the most efficient drug in chronic gouty conditions (W). **Salicylates** eliminate uric acid, and with proper diet will cure all gouty affections not amenable to iodides, chlorides, bromides and mercury (Haig). **Aspirin** is one of the best salicylates, in daily doses of not less than ʒj for acute gouty arthritis with fever (Id); is an excellent remedy (Merkel). **Antiarthrin**, Saligenin Tannate, gr. xv twice or thrice daily after meals, is a very efficient eliminator of the toxic material (Wilcox). **Piperazin**, gr. xv daily in carbonated water, as a solvent and eliminant of uric acid; has been largely used but has failed to sustain its first reputation (W). **Phenocoll** when much pain and fever; with Piperazin gr. xv of each daily, in a pint or more of carbonated water, is efficient in acute gout. **Lysidin** is powerfully solvent to uric acid; used in chronic cases having exacerbations with excellent results (Grawitz). **Lycetol** as a uric acid solvent. **Urotropin** is an energetic eliminant of uric acid (Bardet). **Citarin** liberates formaldehyde in the blood, forming soluble combinations with uric acid, and is indicated in all forms of the uratic diathesis, especially gouty arthritis

For Local Use.

- R̄. Resorcinolis, ʒj.
 Ac. Borici, gr. xx.
 Zinci Acetatis, gr. 1-1/2.
 Aquæ Destil., ʒiv.
 M. Sig.—Dessertsp. as injection.
- R̄. Zinci Sulphatis, gr. vj.
 Plumbi Acetatis, gr. viij.
 Ammonii Chloridi, gr. iv.
 Aluminis, gr. v.
 Aquæ Rosæ, ʒj.
 M. Sig.—Injection to be used after acute symptoms subside.
- R̄. Zinci Sulph., gr. xx.
 Bismuthi Subcarb., ʒiv.
 Glyceriti Hydrastis, ʒj.
 Aquæ Destill., q. s. ad ʒiv.
 Misce. Sig.—Inject ʒij 3 or 4 times daily. (Christian.)

(Ardo). **Sidonal** is useful, but being patented is costly. **Uricedin** is used with benefit. **Tetranitrin** in dose of gr. ss, is efficient to reduce the high arterial tension (Huchard). **Morphine**, hypodermically, as close to the affected joint as possible outside of the red areola, is miraculous in giving immediate relief. **Antipyrine**, remarkably efficient for relieving the pain as well as prophylactic against future attacks (Marshall). **Aconite**, may certainly relieve pain (P). **Belladonna**, the best remedy effectually and speedily to soothe the pain, also in gout of the stomach; 5-ʒ doses efficacious (P). **Potassium Iodide**, especially when pain is worse at night (R); Iodides, chlorides and bromides, with mercury and diet, will cure most of the diseases due to excess of uric acid in the blood (Haig). **Chimaphila** is believed to check the formation of uric acid. **Chirata** is particularly useful in the dyspepsia of gouty subjects. **Arsenic**, to prevent disintegration of blood corpuscles (Croftan); has been highly extolled in rheumatic gout (W); is a standard remedy in chronic gout. **Iron**, to bind the decomposition products of intestinal fermentation, gr. ij-iv of Blaud's mass, permitting the absorption of organic iron, which should be administered afterwards (Croftan). **Oxygen** by inhalation, gives striking benefit (Id). **Ichthyol** in 25 to 50 per cent. ointment externally, abates the violent pains (Nussbaum); a 50 per cent. ointment by rubbing produces an immediate and remarkable effect in all forms of subacute or chronic gout (Lorenz). **Guaia-cum**, has long had high repute, and may be given for a long time without injury (Wa). **Rhubarb** with an alkali, regularly during intervals, very serviceable (Halford). **Manganese**, Syrup. Ferri et Mang. Iodidi, ʒxx-ʒss, for the cachectic state (B). **Cascara Sagrada**, is said to promote the elimination of uric acid to a remarkable extent. **Coffee**, a tincture of green coffee promotes elimination of the poison of gout from the system. **Veratrine**, as ointment to painful joints (R). **Cod-liver Oil**, in chronic gout (R). **Sulphides**, as baths in chronic gout, or fumigation with Sulphurous Acid, and bed-clothes exposed to its strong fumes (R); Sulphur waters certainly benefit (B). **Iodine**, painted around joints in chronic gout (R). **Strychnine**, hypodermically for later stage of gout paralysis (R). **Carbonated Water** taken freely, has a very beneficial influence. **Diet** consisting chiefly of bread stuffs and cereal foods has more advantages than any other (Haig); avoid animal and saccharine foods, also vegetable proteids (Luff); gout is poisoning by animal flesh, tea and similar vegetable-alkaloid-containing substances (Haig). Abstinence from common salt is said to have benefited several cases. A milk diet has improved cases and apparently removed the diathesis (B); entire abstinence from alcoholic beverages; the most injurious wines are port, sherry and madeira. **Local Measures**, the affected limb should be raised, and surrounded by hot, moist flannels; wrap the hands in flannel dripping with water and cover with water-proof bag, to dissolve gouty deposits. **Baths**, are useful, especially hot, steam and Turkish baths, but they do not cure the disease (W). **Exercise**, if there be any cure for gout it is exercise (W). [Compare ARTHRITIS, LITHEMIA.]

- Scudamore's Mixture (Modified).*
- R̄. Vini Colchici Radicis, ʒss.
 Magnesii Sulphatis, āā ʒj.
 Magnesii Oxidi, ʒij.
 Aquæ Menth. Pip., ʒx.
 M. Sig.—Tablesp. every hour until it operates on the bowels.
- R̄. Colchicinæ, gr. j.
 Ext. Colocynthis Co., ʒss.
 Quininæ Sulphat., ʒiij.
 Ft. pil. no. lx. Sig.—One pill every four hours. (B.)

- R̄. Vini Colchici Seminis, ʒss.
 Tinct. Digitalis, ʒij.
 Liq. Potassii Citratis, ʒijss.
 M. Sig.—A teasp. in water every six hours.
- Lallemand's Specific.*
- R̄. Ext. Colchici Acet. (B. P.),
 Ext. Opii Aquosi, āā gr. xv.
 Potass. Iodidi, ʒiv.
 Potass. Acetatis, ʒij.
 Aquæ Destill., ʒijss.
 Vini Albi, ʒss.
 M. Sig.—20 drops thrice daily.

Gums.

Myrrh, the tincture for spongy and ulcerated gums (P); ʒij-iv in ʒiv of water or Infusion of Cinchona, is highly serviceable as a gargle or mouth-wash (Wa). **Alum**, for spongy and ill-conditioned gums, tending to recede from the teeth, whether of mer-

curial or scorbutic origin (Wa). **Catechu**, a piece dissolved slowly in the mouth is often of service in similar conditions (Wa). **Rhatany**, the powder as a dentifrice, keeps gums in good order (B). **Potassium Chlorate**, gr. ij every four hours for a child of one year, for inflammation of the gums in teething (Wa). **Phenol**, gr. iij ad ʒj aquæ, as lotion in diseases of the gums (Hilditch). **Pomegranate**, the bark an excellent basis for gargles in relaxed gums (P). **Potassium Iodide**, gr. x thrice daily, for periostitis of alveolar processes, marked by looseness of teeth, pain and swelling of gums (Graves). **Sodium Salicylate**, in doses of gr. xv every 4 hours, is highly efficient for the same condition, especially in combination with ℥xv of tincture of Belladonna (Coley). **Ichthyol** undiluted to swab out alveolar cavities and as paint to the gums, is very efficient in alveolar pyorrhæa and receded gums (Floris). **Argyrol** is an effective application in pyorrhæa alveolaris, gingivitis, and other inflammatory and suppurative affections of the oral tissues (Fletcher). **Iodine**, gr. j ad ʒj aquæ, applied by a brush after each meal to the margin of the gums, for retraction thereof with loosening of the teeth (S), the tincture is a good application in many morbid conditions of the gums. **Zinc Chloride**, a saturated solution applied by cotton to the margins, an excellent astringent tonic. **Tannin**, the glycerite, for spongy and bleeding gums (B). **Iodized Phenol**, when fetor exists (B). **Benzoin**, the tincture a good application (B). **Trichloroacetic Acid** locally for pyorrhæa alveolaris, as an antiseptic, astringent and stimulant application. **Hydrogen Dioxide** diluted, as a cleansing injection to pockets. **Diet** in pyorrhæa alveolaris should be that of gout (Achorn). [Compare ODONTALGIA, SCURVY, TEETH.]

R. Aluminis, ʒss.
Tinct. Myrrhæ, ʒj.
Tinct. Cinchonæ, ʒiv.
Mel. Rosæ, ʒj.
Vini Albi, ʒviiij.
M. Sig.—Mouth-wash.

R. Tinct. Orris,
Spt. Rosæ, aa ʒiv.
Alcoholis, aa ʒiv.
Ol. Amygd. Amar., gtt. ij.
M. Sig.—Violet Mouth-wash. (Piesse.)

Hair.

Rosemary, encourages the growth of hair, mitigates baldness, and is supposed to prevent uncurling in a damp atmosphere (P). **Hydrogen Dioxide** and other preparations of oxygen, are used to "blonde" the hair, for purposes of fashion (Wilson). **Sarsaparilla** taken internally for 3 months, changes red hair to a light flaxen color (Teste). **Sodium Cacodylate** increases the growth of the hair (Gautier). **Resorcinol** is used in hair-dyes and caused in one case 16 attacks of erysipelas during 3 years. **Hair-dyes** include Potassium Permanganate, Pyrogallic Acid, Black Oxide of Lead, which are temporary, and the Black Oxide of Silver, which is permanent in its action (Wilson). **Depilatories** usually consist of powders containing Quicklime 3 parts, Sodium Sulphide 1, and Starch 4; a powerful depilatory is Barium Sulphide made into a thin paste with Starch (Wilson); another contains Yellow Sulphide of Arsenic, gr. xx, Quicklime, ʒss, Starch, ʒij; a very effective one is Barium Sulphide 2 parts, Zinc Oxide 3, and Starch 3, made into a paste with a little water (Duhring). **Sulphurated Lime** is an efficient depilatory, painless, non-irritant, and leaves no trace (Cumston). **Sodium Sulphohydrate** in 25 per cent. aqueous solution applied for ten minutes, removes hair as closely as a razor, and is excellent to prepare the skin for operation (Dawbarn). **Electrolysis** by needle attached to the negative pole of a galvanic battery and inserted into the follicles, is the only efficient method of permanently removing superfluous hair. [Compare ALOPECIA, SYPHILIS, TINEA.]

R. Sodii Boratis, ʒiv.
Aq. Ammoniacæ, ʒj.
Spt. Myrciæ, ʒij.
Aq. Rosæ, ʒxiiij.
M. Sig.—Shampoo Hair Wash.
R. Ac. Salicylicæ, gr. xl.
Tinct. Benzoini, ʒss.
Alcoholis, Glycerini, aa ʒviiij.
M. Sig.—Hair Wash.

R. Ol. Ricini, ʒjss.
Ol. Bergamottæ, ʒjss.
Ol. Cinnamomi,
Ol. Caryophylli, aa ʒviiij.
Ol. Lavandulæ, ʒxl.
Tinct. Cantharidis, ʒj.
Aq. Ammoniacæ, ʒij.
Alcoholis, q. s. ad Oj.
M. Sig.—Hair Tonic.

Hay-Fever.

Arsenic, especially valuable when disease is more of catarrhal than of asthmatic type, 3-minim doses of Liqueur Arsenicalis (Mackenzie); as cigarettes, 2 or 3 daily. **Iodides** are very serviceable, locally and internally; large doses until some iodism observed; may be combined with Arsenic (B). **Opium**, especially as Morphine, of great value in any stage, but great danger of the opium-habit (B); the tincture in doses of ℥ij-ij every 2 hours for three doses, then ℥ij every 2 hours until the discharge abates (Wa). **Heroin** for the cough and dyspnea. **Belladonna**, when nasal secretion is very profuse (B). **Euphrasia**, of decided benefit for the catarrhal symptoms (Pf). **Quinine**, very useful after the more acute symptoms have subsided (R); injected into the nares checks catarrhal discharge and spasmodic symptoms (P); a solution of the Hydrochloride, gr. iv-viiij ad ʒj aquæ, applied locally to nasal mucous membrane by a spray-producer or a brush, will arrest the disease if confined to the nares and fauces (B). **Ipecacuanha**, in hay-asthma (R); is of great value, though the smallest doses cause similar effects (P). **Aconite** is better than Arsenic in true hay-fever (R); has been used with the best results (P). **Grindelia** benefits cases of asthmatic type (B). **Ignatia**, the tincture has seemed to benefit some cases, and to influence favorably the course of the disorder (Da C). **Lobelia**, has been found an efficient remedy (Wa). **Adrenal Extract** is almost specific for the symptoms and restores the normal condition of the nasal erectile tissue (Douglas); used both locally and internally gr. v every 2 hours. **Adrenalin Chloride**, the 1 in 2,000 solution locally gives immediate relief to all the symptoms (Sawyer). **Cocaine**, a 5 per cent. solution locally is a most efficient palliative (R); a 4 per cent. solution sprayed into the nares gives immediate relief (Da C); great danger of inducing the drug-habit. **Zinc Stearate** with Cocaine, an excellent insufflation. **Black Coffee** is highly recommended (P). **Diphtheria Antitoxin** used in eleven typical cases with immediate benefit and rapid cure, dose from 2,000 to 3,000 units (Rowland). **Tobacco**, smoking helps some and aggravates the symptoms in other instances; internally ad nauseam it helps, but there are better and safer remedies (Wa). **Removal** to the sea-coast or a barren, mountainous district, gives the only relief to some subjects; though many of the worst cases, hitherto unaffected by medicine, are now relieved by the local application of Cocaine. [Compare ASTHMA, CATARRH, CONJUNCTIVITIS, INFLUENZA.]

R. Ext. Hyoscyami, gr. xij.
Potassii Iodidi, ʒj.
Potassii Bicarb., ʒij.
Ext. Glycyrrhizæ, ʒiv.
Aq. Anisi, ʒivss.
M. Sig.—Dessertsp. every 4 hours until relieved. (Weber.)

R. Mentholis, ʒj.
Phenolis, ʒss.
Zinci Oxidi, ʒj.
Ol. Amygd. Dulcis, ʒjss.
Cerati Simplicis, ʒij.
M. Sig.—Apply thoroughly to the nostrils every few hours.

Headache, Bilious-sick.

Antipyrine, the most valuable single remedy for headaches; an 8-grain dose for dyspeptic headache, in a little water, at commencement of attack, the patient lying down in a dark room; a second dose one hour after is generally enough, but a third or fourth may be required: sleep generally follows, and there are no unpleasant after-effects. **Acetanilide**, in 4-grain dose, equally effective. **Acetphenetidin**, safer than acetanilide, and equally efficient. **Nux Vomica**, gtt. j of tinct. frequently, when acute gastric catarrh, with headache and nausea (R); gtt. j every 10 minutes, soon after meals, often gives marked relief in sick-headache not of neurotic origin (Smith); drop doses every 10 minutes for an hour cure sick-headache, especially when accompanied by biliousness (M). **Strychnine**, with Aloin and Belladonna, in minute granules, for bilious headache from obstinate constipation, effective if given several times a day for a week or ten days (Roy). **Belladonna**, the extract in doses of gr. $\frac{1}{20}$ — $\frac{1}{10}$, in similar form. **Iris**, blinding headache in right supraorbital region, with nausea and vomiting, usually the result of hepatic derangement; ℥ij every half-hour for three doses, usually relieves