

promptly (Pf). **Bryonia**, ordinary bilious sick-headache with vomiting (P). **Picrotoxin**, gr. $\frac{1}{10}$ by stomach, in periodical form (B). **Chamomile**, a popular remedy (R). **Salol**, is one of the most efficient remedies. **Podophyllum**, in sick headache, with dark bilious diarrhea, or when constipation with dark evacuations (R). **Sanguinaria**, in headache due to gastric derangement (P). **Hydrastis**, in headache with constipation (P). **Mercury**, as Blue Pill, to prevent or mitigate sick headache; small doses of the Bichloride in headache with bileless diarrhea (R). **Ammonium Chloride** is an efficient remedy in most forms of headache (Wa). **Sodium Phosphate**, a useful laxative in so-called bilious sick-headache (B). **Potassium Bromide**, a large dose in ordinary or sick headaches (R). **Ginger**, in paste, as counter-irritant (P). **Water**, as cold or hot affusion, or ice-bag to head; hot sometimes best; the purgative waters, as Friedrichshall, before breakfast in a cup of hot water (R); a brisk saline purgative, or small doses of Epsom salts thrice daily, very effectual for frontal headache with constipation (Br). **Nitrohydrochloric Acid**, 10 drops of the dilute acid in a winegl. of water before each meal, often an effectual remedy (Br). **Charcoal**, two teaspoonsful stirred in half-glass of water, as a draught, is an efficient remedy for sick-headache with sour stomach and flatulence. [Compare HEMICRANIA.]

R. Ammonii Chloridi,..... ℥iij.
Morphinæ Acetatis,..... gr. j.
Caffeinæ Citratis,..... ℥ss.
Spt. Ammonii Aromat.,..... ℥j.
Elix. Guaranæ,
Aquæ Rosæ,..... āā ℥iv.
M. Sig.—Dessertsp. every quarter-hour until relieved. (Carpenter.)

R. Podophylli Resinæ,..... gr. ij.
Tinct. Zingiberis,..... ℥ij.
Alcoholis,..... q. s. ad ℥j.
M. Sig.—Teasp. in a winegl. of water every night at bedtime, or every second, third or fourth night as required. (Dobell.)

Headache, Congestive.

Antipyrine or **Acetanilide**, (see preceding article). **Aconite**, to reduce the circulation (R). **Veratrum Viride**, at menstrual periods (R). **Belladonna**, relieves cerebral congestion, and distress from light and sound (P); pain over brows and in eyeballs, often due to stomach or uterine derangements, especially in young women; ℥iij of tinct. every three hours (R). **Potassium Bromide**, gr. xv-xx, in ordinary or sick headaches (R); Bromides are useful when nervous system has been irritated, but when exhausted they do harm (Hammond). **Calomel**, gr. $\frac{1}{60}$, every hour for ten or twelve doses, will relieve the headache of syphilis occurring at night (Tr). **Cannabis Indica**, is given with uniformly good results in the headache of the climacteric. **Potassium Iodide**, throbbing, intolerance of light, pain passing from back of neck over vertex to brow, nocturnal, tender scalp, almost unbearable; ten-grain doses ter die will cure (R). **Hydrastis**, when constipated bowels (P). **Amyl Nitrite**, for headaches with severe flushing heats at menstruation or climacteric, ℥ $\frac{1}{30}$ a sufficient dose (R). **Mustard**, in hot foot-bath, or as poultice to nape of neck in various forms of headache (R). **Water**, cold water poured gently over forehead, sometimes warm water better (R); a very hot foot-bath often effectually relieves (Wa). **Purgatives** are often beneficial, especially when congestive headache arises from suppression of hemorrhoidal discharge, or in persons of phlegmatic habit; Aloes best (Wa); or Colocynth, as derivative, when cerebral hyperemia (Da C).

R. Ext. Colocynthidis Co.,..... gr. xij.
Capsici,..... gr. iv.
Ext. Gentianæ,..... gr. xxiv.
Ft. pil. no. xij. Sig.—One pill thrice daily; also a 25-grain dose of Sodium Bromide nightly, at bedtime. (Da Costa.)

R. Spt. Ammonia,..... ℥j.
Spt. Camphoræ,..... ℥ss.
M. Sig.—For a quart of water, in which a handful of common salt has been dissolved. Cork tightly and use locally on lint as an evaporating lotion.

Headache, Nervous.

Antipyrine, is an efficient remedy for headaches generally, and is made more effective by Caffeine (W). **Acetanilide**, is very efficient in headache from fatigue (Brodnax); as routine remedies for the relief of headache these agents are much more valuable than

bromides and caffeine (Whitla). **Acetphenetidin**, used with success (M). **Cannabis Indica**, ten-minim doses of the tincture thrice daily in the intervals, often curative in bad cases of neuralgic headache; or $\frac{1}{4}$ to $\frac{1}{2}$ -grain doses of the extract (P). **Caffeine Citrate**, one to two-grain doses in capsule every half-hour, a very effectual remedy for nervous and sick headache, but causes insomnia if used in the evening. **Guarana**, a very effective palliative, gr. xx every half-hour for three doses (P); ℥xv of the fluid extract every quarter-hour increased to ℥xl will often relieve periodical headaches not of malarial origin (Smith). **Sodium Salicylate**, in small doses, gr. ij-ijj every quarter-hour, is very efficient in neuralgic headache (Br); also for gouty headache. **Lithium Benzoate** is efficient in headache of lithemic origin (Coston). **Belladonna**, the tincture in doses of 3 minims every 3 hours, when pain over brows and in eyeballs, especially when at menstrual periods; also when from over-study or fatigue (R). **Nux Vomica**, if with gastric symptoms (R); is better than Strychnine, and should be given in quarter-grain doses of the extract after meals, combined with Iron and Quinine if patient is chlorotic (Hammond). **Bromides**, are useful when the nervous system has been irritated, but harmful when it is exhausted (Hammond). **Silver Nitrate**, half-grain doses with minute doses of Pil. Coloc. Comp., invaluable in headaches of hysterical women and especially stomach headaches of delicate and literary men (Wa). **Ignatia**, removes clavus hystericus (Pf). **Ammonia**, the Aromatic Spirit, ℥ss-℥ij, or the Carbonate, gr. v-x, in nervous headache (B); the Hydrochloride, gr. x-xx, in bilious and hysterical headaches, especially in hard-worked and delicate young women (Wa). **Amyl Nitrite**, inhaled, when extreme pallor of face (B). **Arsenic**, throbbing supra-orbital headache (R); as a nerve tonic stands next in value to Zinc (Hammond). **Cimicifuga**, in nervous or hysterical women, especially at menstrual periods (R); in rheumatic and menstrual headaches (P). **Potassium Cyanide**, locally in reflex headaches as gastric, cardiac, pulmonary, menstrual (B). **Valerian** is of great value in excitable persons (P). **Camphor**, a saturated solution in Eau-de-Cologne rubbed on head, when headache of uterine origin (R); in hysterical females, internally, with Magnesium Carbonate (P). **Podophyllum**, purgative doses often give relief when near menstrual periods, with constipation and dark stools (R). **Zinc Oxide**, two-to-five-gr. doses useful (R); a remedy of great value (Hammond). **Bismuth**, the Subcarbonate, in two-grain doses after each meal, often better than Zinc especially where gastric disturbance (Hammond). **Ether Spray**, for frontal headache, after acute illness or fatigue (R). **Chloroform**, ℥xv-xxx of the spirit internally, often effective (Wa). **Phosphorus**, as dilute Phosphoric Acid, in doses of ℥xxx well diluted, thrice daily; or Zinc Phosphide, gr. $\frac{1}{10}$ in pill, ter die, very useful in most forms of nervous headache (Hammond). **Cajuput Oil**, well rubbed in twice daily (P). **Menthol**, locally to forehead in frontal headache (Wa). **Guaiacol**, a few drops rubbed in gently, gives immediate relief (Brodnax). **Diet** in headache of gouty subjects should be that of gout, and should be free from tea and coffee, which are, however, useful in headache from nervousness or exhaustion (R). **Galvanism**, sometimes valuable; the constant current always, avoiding too great intensity lest amaurosis ensue (Hammond). [Compare HEMICRANIA, NEURALGIA.]

R. Zinci Phosphidi,..... gr. iij.
Ext. Nucis Vom.,..... gr. x.
Confect. Rosæ,..... q. s.
M. et div. in pil. no. xxx.
Sig.—One pill after each meal. (Fordyce Barker.)

R. Extracti Nucis Vom.,..... gr. iij.
Ferri Reducti,..... gr. xij.
Quininæ Sulphatis,..... gr. vj.
Ft. pil. no. xij. Sig.—One after each meal. (Hammond.)

Heart Affections.

Potassium Iodide, the true remedy for the heart; especially applicable in non-compensatory mitral or myocardial diseases, and where there is cardiac debility; restoring energy and vascular tension at first; then by dilating, later on, all the arterioles, it frees the heart from resistance, and enables it to recover its contractile power; also dilating the coronary arteries it furnishes nutrition to the heart itself (Sée). **Nux**

Vomica, gave speedy relief in several cases of heart-failure in which death was imminent; small doses every $\frac{1}{2}$ hour for four successive doses, then every hour (Bowie). **Strychnine** strengthens the heart-beats (R); is an extremely serviceable remedy in cardiac diseases with weakness of muscle, and should be tried in cases of failing heart where Digitalis disagrees (W). **Digitalis**, acts as a stimulant tonic (P); small doses for sedative action; tonic or physiological doses to create hypertrophy in dilatation (Tr); irregularity of pulse its best indication (R); irritable heart (Da C); the tincture, given without water, is the best preparation; especially indicated in weak heart acting rapidly because of its weakness, and in valvular disease (Wa). **Cimicifuga**, safer than Digitalis in fatty heart (B); its action is strongly stimulating and tonic; it relieves excessive dyspnea when weak heart (P). **Convallaria Majalis**, will usually succeed in all cases in which Digitalis is useful, acting similarly to that drug, but with less reliability; is useful in aortic disease and in others where Digitalis cannot be used (Wa). **Helleborein**, as a substitute for Digitalis, is of less bulk and more definite composition. **Adonidin** acts like Digitalis as a cardiac stimulant, and much more promptly (W). **Morphine**, next to Digitalis, is in general the most indispensable remedy in the treatment of severe heart disease, being by far the most efficient agent for the dyspnea (Strümpell); hypodermically is employed in many cardiac disorders with marked advantage, especially in dyspnea and angina with diseased coronary arteries, mitral regurgitation with its dyspnea and insomnia and aortic disease. **Dionin**, promptly relieves the dyspnea and cough (Salzmann). **Camphor** in oil or ether, hypodermically as a stimulant in sudden cardiac failure (W). **Caffeine**, an excellent cardiac stimulant, and diuretic, gr. ij-v of the Citrate every three hours (Da C). **Arsenic**, for dyspnea from weak heart (R); in all cardiac neuroses it is especially valuable when combined with Iron and Strychnine, and is regarded as indispensable in all forms of weak heart accompanied by pain (Wa). **Aconite**, in the highest degree serviceable to diminish excitement or irritability; is more a remedy for functional derangement than for organic disease (Wa); in pericarditis (R); in nervous palpitations and hypertrophy (P); the heart seldom affected in rheumatic fever if Aconite be used from the start (P). **Veratrum Viride**, as cardiac depressant (B); in chronic cardiac diseases where excessive hypertrophy, *i. e.* when Digitalis is contraindicated (W). **Iron**, useful in various forms, especially anemic disorders and palpitation; also in dilatation and fatty heart, and mitral regurgitation (B). **Hyoscyamus**, in functional derangement from emotion, is specially indicated; requires large doses, mxxl-lx of tinct., or gr. $\frac{1}{8}$ of Hyoscyamine Sulphate hypodermically (Wa). **Amyl Nitrite**, relieves heart-pains resisting all other treatment (W). **Tetranitritin** in dose of gr. ss to reduce high arterial tension in heart diseases (Huchard). **Nitroglycerin** to lower arterial tension and decrease the resistance in weak cardiac action and cardiac failure; especially when persistency of action is desired (W). **Hydrastinine** is an excellent subsidiary cardiac tonic when slow but permanent action is required (Boix). **Adrenalin** is a powerful cardiac stimulant, and may be of service in heart failure during anesthesia (Miles). **Cactus** is highly praised in functional cardiac affections and in pseudo angina pectoris. **Musk** of good quality is a valuable cardiac stimulant. **Chloral** may be used with benefit in neurotic palpitation and in pseudo angina pectoris, but is generally contraindicated in heart affections, being a powerful cardiac depressant. **Blisters**, flying blisters over the precordial region, to stimulate action in extreme weakness (R). **Alcohol**, as Brandy when heart suddenly enfeebled by fright, loss of blood, etc. (R). **Ether**, mxx hypodermically and repeated soon, is a very promptly-acting stimulant in sudden heart-failure; the compound spirit in ʒj doses for less urgent cases. **Schott Cure**, as practised at Nauheim, is a combination of saline baths containing CO_2 in solution, and a series of graduated gentle exercises; the best results therefrom are obtained in cases of cardiac dilatation due to overwork or worry, but it is also useful in fatty infiltration of the heart (not fatty degeneration) accompanying general obesity (M). [Compare ANGINA PECTORIS, DROPSY, DYSYPNEA, ENDOCARDITIS, PERICARDITIS, SYNCOPE, and the five following articles.]

R̄. Fluidextr. Ergotæ..... ʒiijss.
Tinct. Digitalis..... ʒss.
M. Sig.—Teasp. thrice daily in enlarged heart without valvular lesion.

R̄. Spt. Ætheris Comp.,
Liq. Morphinae Sulphatis,
(gr. j ad ʒj), āā ʒj.
Teasp. as required for dyspnea.

Heart, Dilated.

Digitalis, where much dilatation and hypertrophy of left ventricle without valvular disease; is not contraindicated when aortic disease (R); use in physiological doses (Tr); in simple dilatation gives most favorable results (Wa); very useful in mitral disease, when dilatation of the left ventricle (P); gives miraculous relief, is not sufficiently appreciated, but requires skilful administration; use the infusion in preference to other preparations, a tablespoonful thrice daily, watching its effects (Da C). **Scoparius**, the infusion (broom-tea), to maintain the kidney action if Digitalis is not sufficient (Da C). **Purgation**, brisk, free, watery stools, next to Digitalis is the best treatment (Da C). **Morphine**, hypodermically, gr. $\frac{1}{4}$ — $\frac{1}{2}$ two or three times a week in dilated heart with dyspnea (B). **Amyl Nitrite**, dyspnea from dilatation (R); is useful when great dyspnea, the cardiac asthma (P). **Ether**, the compound spirit an excellent remedy for the dyspnea (Da C). **Mercury**, a classical pill and a very efficient one as a diuretic in dropsy from cardiac disease is the combination of gr. j each of Digitalis, Squill and Mercury with Chalk (Foster). **Schott Cure**, in dilatation due to overwork or worry (see preceding article). [Compare DROPSY, DYSYPNEA.]

Heart, Fatty.

Strychnine, often the first remedy to do good; unduly pushed will produce nervous worry and be injurious (P); is the remedy with Iron, nourishing but not fat-making diet, and wine to keep up the tone of the blood (Da C). **Ergot**, in occasional doses has been given with apparent benefit (Wa). **Iron**, the tincture of the Chloride in small doses for a long time, has been of remarkable benefit (Wa). **Cimicifuga**, safer than Digitalis (B); the latter should not be used (Wa). **Digitalis**, of no value except for very temporary use and for some special indication (Da C). **Chloral**, must be entirely debarred (Id). **Ether**, the compound spirit for sudden attacks of pain or dyspnea (Id). **Amyl Nitrite**, for the same indications (Id). **Stimulants**, freely used, in an acute attack of any kind, afford the only chance (Id). **Schott Cure**, useful in fatty infiltration (not fatty degeneration) accompanying general obesity (M).

Heart, Hypertrophied.

Aconite, often better than Digitalis (R); dangerous in hypertrophy of left side with diseased valves, but useful in simple hypertrophy (P); for over-action with hypertrophy (B); the one remedy which can be depended on; small doses for months, say gtt. j of a good tincture ter die, to lower the heart gradually and keep it low (Da C). **Digitalis**, very useful in pure hypertrophy due to valvular disease or excessive muscular exertion (R); the primary action (small doses) required, as it creates hypertrophy when given in physiological or tonic doses (Tr). **Veratrum Viride**, as a cardiac depressant, gtt. v ter die, will relieve in simple hypertrophy, and irritable heart from abuse of tobacco, inadmissible when valvular lesions exist (B); gives the best results next after Aconite (Da C). **Ergot** in enlarged heart without valvular lesion; may be combined with Digitalis (B). **Potassium Iodide**, small doses long continued benefit some cases (Wa). **Camphor**, in doses of gr. iij-xij daily for tumultuous palpitations and dyspnea of hypertrophy with dilatation (Wa). **Iron** is necessary where anemia exists (Da C). **Quiet Life** of great importance, no stair-climbing, no long walks; rest in bed for days at a time often of service, moderate diet, avoiding fattening foods, meat and stimulants (Da C).

Heart, Palpitation of.

Aconite, for the fluttering heart of nervous persons and nervous palpitations (R); for over-action with hypertrophy (B); for palpitation with simple hypertrophy (P). **Hydrocyanic Acid**, when from dyspepsia (P). **Iron**, when palpitation due to anemia, a very frequent cause; other causes are tobacco, coffee, tea to excess, dyspepsia, venery,

excessive exercise (Da C). **Spigelia Anthelmia**, when due to mitral and aortic disease, with much dyspnea (P). **Digitalis**, in small doses as sedative (Tr); combined with Iron in palpitation with valvular disease, or given alone in very severe cases (Wa); suits a large number of cases, especially for temporary purposes (Da C); the only remedy of positive service for the actual palpitation (Richardson). **Lead Acetate** for violent palpitation, is efficient in some cases (Wa). **Camphor** is recommended in nervous palpitations (R). **Veratrine**, as ointment to chest, when rapid, irregular pulse, hurried breathing, dropsy and lividity, palpitation, inability to lie down (R). **Nux Vomica**, of great value in nervous palpitation. **Bromides**, in fluttering heart (B): are useful when tolerated by the stomach (Da C). **Hyoscyamus**, in nervous, and violent palpitations from excited state of the brain (P); in large doses, for functional disturbance arising from emotion (Wa). **Belladonna**, in small doses, when irregularity of rhythm; may also be applied externally (Da C). **Valerian**, nervous palpitation, with dyspnea (P). **Eucalyptus**, palpitation and weak heart (B). **Galvanization**, of cervical sympathetic and pneumogastric (B). **Hot Foot-bath**, relieves palpitations (R). **Milk-cure**, has been beneficial in irregular action (B). **Ice**, to the cardiac region, has benefited many cases; is of chief value when patient can be kept in bed, which sometimes becomes necessary (Da C).

R. Pulv. Digitalis,..... gr. xx.
Pulv. Colchici Sem.,..... gr. xl.
Sodii Bicarb..... gr. lx.
M. et div. in chart. no. xl. Sig.—One powder at first 3 or 4 times daily, gradually reduced to one at bedtime. For irregular cardiac action. (Bowditch.)

R. Tinct. Digitalis,..... ℥ij.
Sp. Ætheris Nitrosi,..... ℥j.
Liq. Ammonii Acet., q. s. ad ℥iv.
M. Sig.—A dessertsp. every 4 hours. If prolonged insomnia with palpitation add of Morph. Sulph. gr. $\frac{1}{5}$ to each dose. (Richardson.)

Heart, Valvular Disease.

Nux Vomica, the tincture in one-drop doses every 5 minutes remarkably efficient in heart-failure, even with death impending (Bowie); also for the asthma (Macfarlan). **Digitalis**, in aortic regurgitation (R), most effective in mitral insufficiency (P); in rapid action with low arterial tension, in mitral disease; infusion best, tablesp. doses twice daily (B); \mathfrak{m} j of tinct. every $\frac{1}{2}$ hour or hour, often gives more relief than larger doses (Smith); when heart is weak and struggling (Da C). **Cactus**, is especially recommended in complicated aortic regurgitation, as it does not prolong the diastole like Digitalis, but stimulates the cardiac action. **Morphine**, hypodermically for the dyspnea, is better in mitral than in aortic disease (R), the agent above all others in aortic insufficiency, combating the two great symptoms therein, the cerebral anemia and the dyspnea; is to aortic regurgitation what Digitalis is to mitral (Dujardin-Beaumez). **Aconite**, useful for the palpitation, but dangerous in hypertrophy of left side with diseased valves (P); for cases presenting excessive growth and strong action, diminishes the blood-pressure in the arterial system, and gives great relief (Da C). **Veratrum Viride**, has similar applicability, but is more apt to nauseate; an admirable sedative, and one which does not sicken, is a mixture of Tinct. Aconiti, \mathfrak{m} j, Tinct. Veratri Vir., \mathfrak{m} ij, Tinct. Zingiberis, \mathfrak{m} vij (Da C). **Strophanthus**, is a cardiac tonic like Digitalis, but does not contract the vessels nearly so much (Br). **Nitroglycerin**, is the best of all remedies when actual cardiac pain; it lessens blood-pressure and diminishes the resistance the heart has to overcome (Da C). **Adrenal Extract**, is a powerful cardiac stimulant and may be used cautiously. **Caffeine**, as a tonic and diuretic, of especial value in cases where urine is scanty, with cardiac pains, headache and dyspnea, and weak heart; gr. ij of the Citrate every three hours (Id). **Adonidin** in doses of grs. $\frac{1}{10}$ to $\frac{1}{5}$ thrice daily, acts excellently as a cardiac regulator (Id); is useful in the same class of cases as Digitalis, is more prompt in action, and has no cumulative tendency (W). **Barium Chloride**, gr. $\frac{1}{10}$ in pill three or four times daily, is diuretic, lessens cardiac pain, increases tone in the vessels, and is a good general and cardiac tonic (Id). **Purg-ing**, with Jalap, etc., in engorgement of right side of heart (R); occasionally useful (Da C). **Treatment** is directed chiefly to the dilatation or hypertrophy resulting from the valvular disease; the simplest rule is to use one's best judgment as to when the

heart needs strengthening by the use of Digitalis or reducing by the administration of Aconite or Veratrum Viride (Da C). [Compare DROPSY, DYSPNEA, ENDOCARDITIS.]

Hectic Fever.

Quinine, in large doses, gr. xv-xx daily, if stomach and intestines do not rebel (P); given before the paroxysm, to limit it (Roberts). **Antipyrine**, is better than Quinine, but must be used in much smaller dosage than ordinarily employed, say gr. iv or v about $\frac{1}{2}$ hour before fever rises, than doses of gr. ij hourly as long as temp. remains above 100.5°; this daily, will give excellent results in the hectic of phthisis (Pibram). **Acetphenetidin**, safer and equally efficient. **Phenocoll**, as antipyretic, is used with marked success. **Aconite**, in small doses, a remedy of much value in the irritative fever of phthisis (Da C). **Morphine** and other anodynes, are of especial value, given in full doses toward bed-time (Gross). **Prunus Virginiana**, the bark has been found useful, especially when irritable cough (P). **Calcium Phosphate**, is especially useful (R). **Calumba**, excellent for tonic effects (P). **Digitalis**, the tincture, combined with Tinct. Ferri Chloridi, abates the temperature and diminishes the sweats (B). **Iron**, the Mistura Ferri Composita has obtained great celebrity, especially when much debility and anemia (Wa); the Sulphate and Tincture of the Chloride are of especial value in the treatment of hectic (Gross). **Ipecacuanha**, a few grains of Dover's powder at bed-time, will stop the profuse perspirations (Wa). **Salicin**, for profuse perspirations (Wa); as antipyretic. [Compare PERSPIRATION PHTHISIS.]

R. Tinct. Digitalis,..... ℥ij.
Tinct. Ferri Chloridi,..... ℥v.
M. Sig.—15 drops 3 or 4 times a day. (B.)

R. Quininæ Sulph.,..... ℥jss.
Elix. Taraxaci,..... ℥iv.
M. Sig.—Teaspoonful every hour for six hours.

Hematemesis.

Iron, the Subsulphate (Monsel's solution) or Permanganate, the best remedies; gtt. j-ij frequently, diluted with ice-water (B); the Chloride, in a mixture with glycerin and pounded ice, a teasp. every hour, gave excellent results in two cases of very severe hematemesis (St. George Reid). **Lead Acetate**, especially when gastric ulcer, gr. ss-v (B). **Tannic Acid**, gr. x-xx, when hematemesis from gastric ulcer or obstructive disease of the liver (B). **Gallic Acid**, an extremely useful agent; is best used in combination with dilute Sulphuric Acid (Wa). **Ergot**, has often cured when other means failed (P); most valuable; in urgent cases Ergotin in 2 to 5 gr. doses hypodermically (R). **Ipecacuanha**, is decidedly effective in small doses, also when hematemesis is vicarious of menstruation (P, Wa). **Hamamelis**, \mathfrak{m} j-ij of tinct. every 2 or 3 hours (R); effective from its Tannin (B). **Alum**, serviceable in passive hemorrhage; Iron better (B). **Turpentine**, especially in passive hemorrhage with debility (R); and in hemorrhagic transudations on the free mucous surfaces, hematemesis, etc. (B). **Adrenalin Chloride**, the 1 to 1000 solution, of which \mathfrak{m} xxv internally, very effective in two cases (Mills). **Adrenal Extract** in tablet form chewed, said to effectually arrest gastric hemorrhage. **Hydrastinine** as a vaso-constrictor, may be of service. **Cotarnine** is a powerful hemostatic. **Vinegar** diluted with 1 to 4 of water, a very grateful drink and effective in arresting the flow of blood (W). **Ice**, in small pieces swallowed, a most useful agent, with perfect rest for stomach; when hematemesis from that organ, nutrient enemata must be employed; iced champagne to arrest faintness, if persistent; when moderate the bleeding need not give cause for alarm. [Compare HEMOPTYSIS.]

R. Olei Terebinth.,..... ℥ij.
Fluidextr. Digitalis,..... ℥j.
Mucil. Acaciae,..... ℥ss.
Aq. Ment. Pip.,..... ℥j.
M. Sig.—Teasp. every 3 hours.

R. Ac. Gallici,..... ℥j.
Ext. Ergotæ,
Digitalis,..... āā gr. xx.
M. et div. in pil. no. xx. Sig.—One every 4 hours.

Hematocele, Pelvic.

Opium, or Morphine, if needed for pain, with absolute rest in bed, and a moderately tight abdominal bandage (E). **Hemostatics**, as Gallic Acid, Lead, Turpentine, etc., to arrest the hemorrhage, if it be still going on, combined with opiates, and the use of ice-bags or cold lotions to the abdomen or per vaginam. **Tonics**, as Iron and Quinine, while resolution of the extravasation is going on. **Bromides** and **Iodides**, to quiet the action of the ovaries, if the hemorrhage recurs at different periods. **Potassium Iodide**, as an absorbent, may be given with Quinine (Braxton Hicks). **Iodized Cotton**, an excellent application to the cervix uteri in cases of hematocele (Wa). **Leeches**, should be applied early in cases of peri-uterine hematocele; later, except to check inflammation, they are inadmissible (Wa). **Mercury**, gr. $\frac{1}{10}$ of the Bichloride thrice daily, with Iron and Ergot, conjoined with vaginal injections of hot water morning and evening; later in lieu of the mercurial the Syrup of Ferrous Iodide in 20-drop doses thrice daily, was thoroughly efficient treatment in one very bad case of retro-uterine hematocele (Hengst). **Surgical** interference has many advocates, but is criminal in a large majority of the cases (E). If the case does not end in resolution it will terminate in pelvic abscess.

℞. Iodi,..... ʒj. | Mix and saturate 8 oz. of cotton with the
Potassii Iodidi,..... ʒij. | mixture; then carefully dry, and label "Iodized Cotton." [See above.]
Glycerini,..... ʒviii.

Hematuria.

Turpentine, when with constitutional debility (B); in very small doses (R); is often very efficacious (P); in absolutely passive hematuria (W). **Gallic Acid**, the most uniformly successful remedy (B); gr. x-xx every hour or two (Da C). **Sulphuric Acid**, alone or with Gallic Acid, is an efficient remedy (Da C). **Acetic Acid**, in a case of alarming hemorrhage from the bladder, which occurred after an operation for vesico-vaginal fistula, and resisted all other means, an injection of apple-vinegar and ice-water, equal parts, succeeded in arresting it (Ghent). **Quinine**, large doses necessary; cures when intermittent or from malarial infection (B); useful in some cases of intermittent hematuria (R). **Myrtol**, has been used with success in hematuria not due to acute congestion (B). **Iron**, the tincture of the Chloride, ℞x-xx several times daily; in this affection the best form of Iron for internal use (Wa). **Ipecacuanha**, exercises a powerful influence (Wa). **Hamamelis** has arrested it in severe cases (R). **Chimaphila** often controls hematuria (P). **Cotarnine** is a powerful hemostatic. **Ergot**, by stomach or subcutaneously; may be combined with Ipecac, Krameria, or other astringents (B). **Ergotin**, hypodermically, is far superior for efficacy and rapidity of operation (Wa). **Matico**, the infusion, in doses of ʒij every 2 or 3 hours, is fully equal to Gallic Acid, Lead, etc. (Thompson). **Ammonium Benzoate**, in 5-gr. doses every 2 hours for the albuminuria and hematuria of scarlatina (Hillier). **Cannabis Indica**, is especially indicated in dysuria and strangury when there is bloody urine (R). **Camphor**, in 2 to 5 grain doses is said to promptly remove the renal hyperemia with bloody, coagulable urine, caused by Cantharis, Turpentine, Oil of Mustard, Copaiba, etc. (R). **Gelatin** 2 per cent. in normal salt solution, of which ʒvj subcutaneously injected below the clavicle, conquered the hemorrhage in a case of hematuria with recurrent nephritis, in which all other measures had failed (Schwabe). **Ice** in rectum or to perineum, for vesical hemorrhage (Thompson). Endemic hematuria, due to the bilharzia parasite, can only be palliated; as yet we know of no means by which the bilharzia can be destroyed (Mn).

℞. Acidi Gallici,..... ʒss. | ℞. Fluidextr. Ergotæ,
Acidi Sulphurici Dil., | Tinct. Krameriaë,..... āā ʒj.
Tinct. Opii Deodor.,..... āā ʒj. | M. Sig.—A teasp. every hour or two
Infusi Digitalis,..... ʒiv. |
M. Sig.—Tablesp. every 4 hours or
oftener. In hematuria, menorrhagia, pur-
pura hemorrhagica, and the hemorrhagic
diathesis. (D.) | ℞. Ext. Ergotæ (Squibb),..... ʒj.
Aquaë,..... ʒj.
M. Sig.—For hypodermic use; ℞x con-
tain gr. j.

Hemeralopia and Nyctalopia.

Strychnine, for night-blindness; small doses gradually increased, of service (Wa). **Mercury**, Hydrarg. Chlor. Corr. gr. ij ad ʒj aquæ, dropped into the eye twice daily, with blister on each temple, and mild aperients, has cured hemeralopia (Smith). **Quinine**, in as large doses as can be borne, after cathartic and emetic, for night- and day-blindness (Howard). **Blisters**, small, $1\frac{1}{2}$ inches in diameter, close to external canthus of the eye (Bampfield). **Electricity**, occasionally useful (Wa). **Rest**, protection of eyes from bright light, constitutional remedies as indicated by state of the general health, and change of climate, speedily cure hemeralopia. It is sometimes merely a symptom of pigmentary degeneration of the retina, or a feature of scurvy.

Hemicrania.

Antipyrine, the most valuable single remedy for headache, especially in migraine and those cases for which Ergot and Amyl Nitrite are indicated; 5 grains at beginning of the attack often sufficient (Birdsall); of great value in true migraine, employed in twenty cases with unfailing benefit; less useful in the malarial or dyspeptic forms, and useless in uremic (Thompson). **Acetanilide** and **Antipyrine**, the striking powers of these two agents are best demonstrated in severe migraine (Whitla). **Acetphenetidin**, is given with great benefit, in doses of 2 grains with $\frac{1}{2}$ grain of Caffeine Citrate, for migraine. **Belladonna**, when due to vaso-motor spasm, the face being pallid (B); the tincture in small and repeated doses if the disease be of reflex character (H). **Iris**, in blinding form, from hepatic trouble, right supra-orbital region; ℞j every half-hour for 3 doses, usually relieves promptly (Pf). **Cannabis Indica**, one of the most valuable remedies for mephrim or sick headache, apparently acting on the nervous centre whence the disorder springs; is most useful in the intervals to prevent the attacks, and especially when the paroxysms are becoming more frequent; in the congestive form, the tincture in repeated doses until some physiological action is induced (H); gr. $\frac{1}{2}$ of the extract before each meal, increased gradually to $\frac{1}{2}$ or $\frac{3}{4}$ grain, in the intervals, kept up for 3 months (Seguin). **Camphor**, gr. iij-v, with a 20- or 30-grain dose of Magnesium Carbonate, is very useful, especially in hysterical females (P). **Croton-chloral**, in milder forms without severe vomiting, headache being predominant; the Bromides are useful after it (R); rarely of any use, but if given it should be in 20-grain doses twice daily (H); **Guarana**, is useful (B), a very effective palliative; gr. xx every $\frac{1}{2}$ hour for three hours (P); its efficacy diminishes by degrees, attacks usually becoming longer (Tr); ʒij of fluidextract in course of an hour or two, to anticipate the attack when expected (Seguin). **Caffeine**, in typical migraine; gr. j hypodermically (P); is especially adapted when chronic gastric catarrh, gr. j every half-hour (B); the Citrate in grain doses every hour for some time before a paroxysm (Wa); gr. j every half-hour often gives marked relief (Smith). **Valerian**, of especial value when hemicrania in excitable temperaments, and after profuse or painful menstruation (P). **Ammonium Chloride**, is exceptionally serviceable; seldom failing to cut short an attack (Austin); 10- to 15-gr. doses (R); as a diffusible stimulant is very efficient, gr. xx up to ʒj every hour during the attack (H). **Sodium Chloride**, in small doses, proved very efficient in six positive cases attended by gastric distress (Rabon). **Podophyllin** or **Mercury**, when of bilious origin (R). **Bromides**, for true migraine; Raspail's Eau Sedative locally, gives great relief (B); when due to uterine disorder (R). **Potassium Bromide**, very serviceable in the paroxysm, also in the continuous form (R). **Potassium Iodide** gr. v-x thrice daily, caused immediate improvement and absolutely eradicated it after 2 or 3 weeks in many cases, this drug being given by reason of the increased arterial tension and the similarity between migraine and the headache of cerebral syphilis (Clemens). **Eucalyptus** when migraine is due to cerebral anemia (B). **Phosphorus**, is strongly recommended (R). **Amyl Nitrite**, by inhalation, in migraine with pallor of face (R). **Sanguinaria**, a few doses very successful, when migraine is due to gastric derangement (P). **Ignatia**, removes clavus hystericus (Pf). **Nux Vomica**, when of gastric origin (R). **Cimicifuga**, is strongly recommended (P). **Arsenic**, for cerebral congestion and hemicrania

(B); for throbbing pain in one brow (R); often has the best effect: Watson believed that gtt. iv-vj of Liq. Arsenicalis, 3 or 4 times a day, with due attention to the bowels, would cure 9 out of every 10 cases (Wa). **Aconitine** or **Veratrine**, ointment over brow (R); Aconitine internally is of great service (Seguin). **Piscidia** is recommended (Wa); efficient in doses of ʒij of the fluidextract (Ford). **Digitalin**, gr. $\frac{1}{10}$ bis die in granules for congestive hemicrania (B). **Ergot**, if due to miliary aneurisms of intercranial arterioles; also in congestive migraine and in nearly all kinds (B). **Menthol**, locally in frontal headache due to migraine, is said to be very efficient (Wa). **Diet** in lithemic subjects must be free from meat, tea, coffee, etc., the diet for gout (Haig). **Rubber Bandage**, applied tightly from eyes up, protecting the temporal arteries by pads, or a dry muslin bandage wetted after being put on (Weir Mitchell). **Acupuncture**, the needle run down to the cranium will give relief in clonus hystericus, when nothing else will do so (Pancoast). [Compare HEADACHE, BILIOUS SICK AND NERVOUS.]

<p>R̄. Quininae Sulphatis,..... ʒss. Belladonnae Fol. (pulv.)..... gr. x. Ext. Digitalis,..... gr. xv. Ext. Valerianae,..... ʒss. Mellis,..... q. s. Ft. pil. no. xl. Sig.—2 to 10 pills daily, gradually increased, during three or four days before the expected attack.</p>	<p>R̄. Ammonii Chloridi,..... ʒvj. Ammonii Bromidi,..... ʒiv. Spt. Aetheris Nitrosi,..... ʒj. Syr. Pruni Virgin.,..... ʒiij. Aqua,..... q. s. ad ʒvj. M. Sig.—Dessertsp. 3 or 4 times daily, conjoined with the use of <i>Raspail's Eau Sedative</i> locally.</p>
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Hemiopia.

When established, hemiopia offers little hope of cure, though it has no tendency to progress. In hemiopia scintillans, **Potassium Bromide**, gr. xl-lx daily, or a band of such metal as idiosyncrasy of the patient may decide, with stimulants to ward off the aura; **Quinine**, **Iron**, **Hydrophathy**, when Potassium Bromide fails (De Wecker).

Hemiplegia.

Strychnine, is most useful when the muscles are relaxed; hypodermically, when paralysis incomplete and the muscles flaccid but not wasted (B). [See PARALYSIS for formula.] **Potassium Iodide**, gr. x-xvij daily, occasionally proves effectual (Wa). **Galvanism**, constant current to the brain or cord, faradic to the muscles opposite those contracted (Hammond). **Physostigma**, prevents muscle wasting, and hence is given with benefit to hemiplegics; gr. $\frac{1}{30}$ - $\frac{1}{10}$ of the extract repeated frequently (R). **Massage**, in hemiplegia and other forms of paralysis due to intercranial lesions, when cold and blue skin, wasting and contracted muscles, ulcerations (B). **Cocculus**, in hysterical, epileptic and choreic hemiplegia, acts well; also in hemiplegia from cold (P). [Compare PARALYSIS FACIAL.]

Hemoglobinuric Fever.

Antipyrine, **Acetphenetidin**, and similar antipyretics, are dangerous (Mn). **Quinine**, is less efficient in this than in any other form of malaria (Mn); as it conduces to hemoglobinuria its use is deprecated (Plehn); should be given in this affection if the malarial parasites are found in the blood, but not if they are absent (Bastianelli). **Saloquinine** in daily dosage of gr. xl-ʒj did excellent service after quinine had failed (Fitch). **Calomel**, in doses of 20 to 30 grains, is the favorite remedy in Africa (Mn); Calomel and Jalap, separately or combined, to keep the bowels well open (Copeman). **Chloroform**, in small doses internally; Chloroform ʒj, Pulv. Acaciae q. s., Sweetened Water, ad ʒviij, of which ʒss every ten minutes until a certain degree of chloroform intoxication is produced, the effect to be kept up by enemata of Chloral; of 22 cases so treated none died (Quennec). **Chloral**, with perhaps small doses of Pilocarpus, if uremic convulsion or coma supervene (Copeman). **Tannic Acid**, gr. xv well diluted, every 2 hours for 4 or 5 times, repeated on the third and sixth days to the extent of two doses each day

(Mn). **Transfusion** of blood has been successfully practised in high degrees of anemia in some of these cases (Id). **Hot Water**, in bottles in the bed, if the temperature should fall below normal (Copeman). **Diuretics** must not be given if urine suppressed, but hot fomentations to the loins, diaphoretics and plenty of bland diluents internally (Mn). **Milk Diet** exclusively until all albumin has disappeared from the urine (Id). **Care** necessary at all times to avoid getting wet or chilled or over-fatigued, for those who have suffered once from this affection (Id). [Compare MALARIA, INTERMITTENT FEVER, REMITTENT FEVER.]

Hemoptysis.

Atropine, gr. $\frac{1}{100}$ hypodermically, is remarkably efficient in stopping the bleeding in phthisical hemoptysis (Squibb). **Gallic Acid**, exceedingly effective (P); may be combined with Ergotin and Digitalis. **Lead Acetate**, with Opium (B); proves signally useful (Wa). **Ergot**, the fluidextract in 30 to 40 minim doses, every 3 or 4 hours, or hourly in severe cases; or Ergotin hypodermically for urgent cases, in 2 to 3 grain doses (R); is harmful in arterial hemorrhage (Fenn). **Opium** should be used freely for the attendant excitement (W); to diminish anxiety and reduce blood pressure (Tirard). **Cotarnine** gives satisfaction being powerfully hemostatic, also anodyne and sedative (Lavielle). **Aconite** to quiet the circulation and reduce blood pressure (Fenn). **Chloral**, is used with benefit, its vaso-dilator power probably acting as a derivative, and its sedative influence allaying excitement. **Ipecacuanha**, has been highly praised (R); in emetic doses arrests hemoptysis (Tr), though in poisonous doses produces it (P); a well-founded case is recorded where Ergot and Gallic Acid utterly failed, and Ipecac was effectual; but it must be pushed to the nauseating point, in order to effect the control (Squibb). **Turpentine**, in drachm doses every 3 hours, may cause unpleasant symptoms which soon disappear on its discontinuance (R); has proved very efficient (P); after other hemostatics fail it is worthy of trial (Wa). **Alum** is serviceable in purely atonic hemorrhages (Wa); in 10 grain doses every 2 hours (B). **Oil of Eriogeron**, is very efficient when no fever or other signs of constitutional irritation (Wa). **Hamamelis**, ʒj-ij of tincture every 2 or 3 hours (R); ʒij-x of fresh tincture several times a day (Pf). **Ferric Acetate**, a little added to water so as to taste, this constantly sipped (R): Iron spray will often arrest (B). **Ferric Subsulphate** as Monsel's solution, ʒv-xx to the ʒ, by atomization and inhalation for 5 to 20 minutes, often acts well (W). **Gelatin** 2 per cent. in normal saline solution, of which ʒss hypodermically, is efficient but painful (Tickell); a sterilized 5 per cent. solution, ʒix by rectal injection thrice daily, is equally efficient and harmless (Hettinger). **Adrenalin Chloride**, the 1 to 1,000 solution internally, 20 drop doses every 2 hours for 4 doses, then less frequently, proves highly efficient (Robinson). **Digitalis**, has undoubted power over hemoptysis (B); small doses daily (P): infusion in large doses (R). **Arnica**, of great service, if from violence (P). **Sodium Chloride**, half a teaspoonful of common salt, taken dry, repeated till nausea (R). **Sulphuric Acid**, the dilute acid a useful adjunct to other treatment (Wa). **Spinal Hot-water Bag**, to cervical or upper dorsal vertebrae (R). **Auxiliaries**, Cold externally, acidulated drinks, perfect rest, and antiphlogistic diet (Wa). [Compare HEMATEMESIS.]

<p>R̄. Plumbi Acetat.,..... gr xx. Digitalis (pulv.),..... gr. x. Opii Pulveris,..... gr. v. M. ft. pil. no. x. Sig.—One every 4 hours. (B.)</p>	<p>R̄. Aluminis,..... ʒj. Sacch. Alb.,..... ʒss. Pulv. Ipecac. Comp.,..... gr. xx. M. ft. pulv. no. vj. Sig.—One powder every 2 hours. (Skoda.)</p>
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Hemorrhage, Hemorrhagic Diathesis.

Iron, when hemorrhagic diathesis due to anemia; the tincture of the Chloride preferred (B); this tincture as a styptic (Wa); 1 or 2 teaspoonfuls of the concentrated solution in a glass of water an excellent hemostatic (Tr); the Acetate, just enough to make water taste, in hemorrhage of lungs and kidneys (R). **Ergot**, in uterine hemor-