

and Quinine Sulphate [see formula below]. **Silver Nitrate**, gr.  $\frac{1}{4}$ -j combined in pill with Opium, gr. ss, and a solution, gr. x-xx to the pint, by enema (B). **Glycozone**,  $\mathfrak{z}$ j in  $\mathfrak{z}$ xij of lukewarm water, mixed immediately before using, and given by enema once daily, in ulceration and chronic inflammation of the rectum and lower gut (Edson). [Compare DYSENTERY.]

<p>℞. Cupri Sulphat., Morphinæ Sulphat.,.....āā gr. ij. Quininæ Sulphat.,..... gr. xxiv. M. ft. pil. no. xxiv. Sig.—One pill thrice daily.</p>	<p>℞. Chloroformi,.....<math>\mathfrak{z}</math>j-ij. Zinci Oxidi,.....<math>\mathfrak{z}</math>ss. Olei Olivæ,.....<math>\mathfrak{z}</math>j. Cerati Cetacei,.....<math>\mathfrak{z}</math>iv. M. ft. unguentum. (Curling.)</p>
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### Relapsing Fever.

**Cathartic**, a mild one at beginning (H); if jaundice or other hepatic derangement, a Calomel purgative, cautiously lest irritation (Wa). **Potassium Citrate**, as cooling diaphoretic. **Quinine**, in moderate doses after the crisis, at least until the relapse, which will not be prevented by any amount of Quinine (Wa). **Leeches** or **Cupping**, best for headache (A). **Alcohol**, required by some patients. **Diet**, supporting, especially in third week, beef-tea, etc. **Urine**, should be watched carefully (A). [Compare TYPHOID FEVER, TYPHUS FEVER.]

### Remittent Fever.

**Antipyrine** or **Acetphenetidin**, during pyrexia, to lower the temp., is very efficient treatment, especially if conjoined with Quinine during the remission; the latter drug being too slow of action to be of immediate service in the pyrexia. **Aconite**, in the hot stage, if any febrifuge is required, frequently repeated doses (B); is next in value to Quinine for high fever and headache, gtt. j of a good tincture every hour (Da C). **Quinine**, 20 to 30 grains in single dose once or twice daily until the temperature is reduced, with other appropriate remedies (B); 15 to 20 grains at most (Maclean); 30 to 50 or 60 grains in severe cases of pernicious remittents several times a day without regard to exacerbation (P, B); 10 or 15 grains should be administered at once in bilious remittent and other severe forms of malarial fever, without waiting for the remission or sweating; an aperient may be given at the same time, 5 or 10 grains of Calomel is the best (Mn); when vomiting is severe the rectum should be cleared out with an injection of warm water and then an enema of Quinine gr. xxx in Water  $\mathfrak{z}$ ij, with a few drops of acid to aid solution, and 5 or 10 grains of Calomel may be given at the same time by the mouth (Id). **Warburg's Tincture**, has achieved a high reputation, but must be used in less dosage than directed, and supporting treatment given when its sudorific action commences (Wa). **Gelsemium**, exercises a really beneficial influence; depresses the temperature (B); valuable in bilious remittents of the South (Pf). **Morphine**, gr.  $\frac{1}{4}$  hypodermically to abort pernicious remittent fever (B). **Purgation**, by Calomel with Jalap or salines afterwards, is necessary during the course of the disease (Da C). **Quassia**, an excellent tonic in the convalescence, combined with mineral acids (Wa). **Packing**, by the wet sheet, is resorted to with advantage, except when hepatic or splenic congestion exists (Wa). [Compare FEVERS TROPICAL, HEMOGLOBINURIC FEVER, INTERMITTENT FEVER, MALARIA.]

### Retina, Affections of.

**Mercury**, in syphilitic retinitis, is of great value; Calomel gr. j-ij with Opium gr.  $\frac{1}{4}$ - $\frac{1}{2}$  every 4 or 6 hours; also mercurial inunction till the gums are affected or the disease yields (Wa). **Potassium Iodide** and **Bromide**, in combination, in retinal hemorrhage, to promote absorption of the effused blood and to relieve the congestion (C). **Physostigmine**, locally, to contract the pupil, and diminish the amount of light admitted to the eye (Wa). **Iron**, in full doses, generally the tincture of the Chloride, in pigmentary retinitis; seems to have a tendency to arrest the malady (C). **Leeches**, to the temple better than general bloodletting (Wa); when much local congestion present, depletion by artificial leech is almost always indicated (C). **Pilocarpus**, in detached retina and

optic neuritis; has been found a very useful remedy in retinal affections generally. [Compare AMAUROSIS.]

### Rheumatism, Acute.

**Plans of Treatment**, may be resolved into three,—that by Salicylic Acid or the Salicylates, that by Alkalies, and that by Iron (Da C). **Salicylic Acid** is suited to vigorous, sthenic subjects, whose stomachs will bear it, in these it often effects a cure in 3 or 4 days; it is better than the salicylates, but should be abandoned if not effective in the time stated (Da C). **Salicylates** are the standard remedy in all forms of rheumatism (W); large doses of the Sodium salt frequently (Huchard); Sodium Salicylate is specific, but must be used in larger doses at first than those commonly employed, gr. xxx every hour in severe cases (Moule). **Quinine Salicylate** has few equals and is superior (B); given in doses of 15 to 30 grains, up to  $\mathfrak{z}$ ij in 24 hours, and continued for some time after acute symptoms have subsided; may prove toxic in large doses, with symptoms of phenol poisoning. **Mesotan** contains 71 per cent. of salicylic acid, and is used locally with rubbing to relieve the pain and swelling (Ruhemann); or Salicylic Acid with lard as an ointment is very satisfactory (Curtiss). **Alkalies**, for flabby, fat subjects; alkaline carbonates, as Potassium Carbonate  $\mathfrak{z}$ jss in 24 hours, alone or with a vegetable acid, until the urine becomes neutral or alkaline, when it may be reduced one-half, and so maintained for some days, when Quinine or Iron may be used; if successful, this treatment brings about a cure in two weeks: the alkaline treatment is now seriously questioned; an injurious dyscrasia results from their use (B). **Potassium Bicarbonate**, gr. xxx every 4 hours, in a dilute solution, until joint-symptoms and fever disappear (Wa). **Sodium Bicarbonate** in solution on lint locally, for the joint-pains. **Ammonium Carbonate** in 5-grain doses frequently, for cardiac complications (B). **Potassium Acetate** freely, followed after a few days by Potassium Iodide and tonics; or gr. xxx of the former and gr. x of the latter 3 or 4 times a day, is sometimes very efficient in cases subacute from the beginning (W). **Ammonium Bromide**, an excellent treatment, followed by Quinine; gives a very low proportion of cardiac complications; gr. xv-xx every 4 hours (Da C); is disagreeable but strongly recommended (B). **Iron**, the tincture of the Chloride is suited to feeble, anemic and nervous subjects,  $\mathfrak{m}$ xxx every 4 hours, with an occasional saline laxative, blisters around the joints, and **Atropine**, as an anodyne rather than Opium, used hypodermically in the vicinity of the affected joint (B); very serviceable in pale, delicate subjects,  $\mathfrak{m}$ xxx-xxx every 4 hours; also as prophylactic where tendency (Anstie); harmful to the plethoric and overfed (B). **Iron and Salicylic Acid** in combination, should be most valuable, but as heretofore prescribed has always made an insoluble precipitate; this is overcome by Dr. Peabody in the formula given below, which makes a ruby-red mixture, and has advantage of preventing the anemia which results from the Acid given alone.

**Aconite**, very serviceable when much heat and dry skin (B); subdues pain in inflamed joints and perhaps shortens the fever (R); in small doses frequently repeated is of the greatest value, and if used from the start prevents organic cardiac disease (P); not reliable as a curative agent, but is a valuable adjunct to other remedies (Wa). **Veratrum Viride**, said to be useful (R); small doses as antipyretic, may be combined with Opium (P). **Antipyrine** has some specific action in rheumatism but is inferior to salicylic acid (W); in large doses gr. xlv- $\mathfrak{z}$ j is fully as efficient as the salicylates, and markedly lessens the tendency to cardiac complications (Linossier). **Acetphenetidin**

is efficient and safe. **Phenocoll** is a safe, prompt, and efficient antipyretic (W); is valuable in rheumatism (Hertel). **Acetopyrin** is effective in doses of gr. xlv-5j (Braun). **Ichthyol** in 10 per cent ointment painted over the affected joint and covered with cotton wool, is very effective (Unna); used in 117 cases with most satisfactory results (Kölbl), its results are superior to those of any other drug (Lorenz). **Opium**, strongly recommended as anti-rheumatic. gr. j every 2 or 3 hours, increased to gr. xij in 24 hours; tolerance remarkable in this disease; in rheumatic carditis indispensable (Wa); a very good remedy in moderate doses (Da C); as Dover's powder when it is desired to relieve pain and increase the action of the skin (W). **Quinine** after the acute symptoms have abated, when the patient is weak and sweats profusely during sleep, gr. xv daily are often of great service (W); is efficiently used for head symptoms (Da C). **Phenol**, ℞xv of a 3 per cent. solution by parenchymatous injection (Senator). **Formic Acid**, gtt. v of a 2 per cent. solution hypodermically, preceded by gtt. viij of a 1 per cent. cocaine solution, gives instant relief (Couch). **Arnica**, lowers pulse and temperature, relieves articular pain and swelling, diminishes urea (P). **Trimethylamine**, ℞iv-vij in Peppermint-water, often has remarkable power in acute rheumatism and gout (B). **Bryonia**, after the swollen joints have been reduced by other means, is extremely efficient for the pain and stiffness (P). **Spigelia Anthelmia**, for rheumatic pericarditis and endocarditis; rheumatic fever with pain shifting from joint to joint (P); seems to fix the disease in certain joints, and prevents its shifting around (P). **Sulphurous Acid**, by fumigation, the patient covered with blankets and exposed to strong fumes, produces perspiration, sleep and relief (R). **Colchicum**, alleviates the symptoms, and shortens their duration (Wa). **Laville's Mixture**, is said to be a tincture of Quinine and Colocynthis, but it is more than probable that Colchicine is the active agent therein. **Rhus Toxicodendron**, positively invaluable in after-stage, also in subacute forms, muscular or tendinous, worse at night (P, Pf). **Hydriodic Acid**, the Syrup, in dessertsp. doses every 2 or 3 hours, the best remedy for acute and subacute rheumatism, relieving pain and swelling in 18 to 24 hours (Craig). **Cimicifuga**, has excellent reports (B); much used, and is said to quell the pain speedily (R); found very serviceable (P). **Dulcamara**, recommended especially for persons who are subject to catarrhal affections in cold and damp weather (P). **Digitalis**, in powder, gr. ij every 4 hours, usually effective after 2 to 7 days; especially useful in cardiac complications with cyanosis and edema. **Lime-juice**, 5vij daily, Lemon-juice inferior (R). **Blisters**, are a very effective method; a number of small blisters applied to vesication around a joint (B); large flying blisters around a joint (R). **Water**, cold baths for the hyperpyrexia (Da C); the wet pack efficacious in rheumatism, also a vinegar vapor bath (B); the wet pack, 20 or 30 minutes, and tepid (70° F.) shallow bath 1 or 2 minutes. Cold applications only when skin hot and dry, and temperature high. Warm baths, or hot compresses very useful. Spongiopiline an excellent substance for applications. **Diet**, low during the fever, water, barley-water, milk-and-water, gruel; use liquid food throughout, avoid malt liquors, port wine and sugar. Lemon-juice may be used freely. **Blankets**, instead of sheets to sleep in, and flannel underclothing, are useful adjuncts. **Pack** the joints with cotton covered with rubber cloth or oiled silk. **Dry Heat**, applied by the Tallerman apparatus is of great value in tendinous inflammations, also in subacute rheumatism through its sweating and local influence (W).

℞. Olei Gaultheriæ,..... ʒj.  
Acidi Salicylici,..... gr lxxx.  
Sodii Boratis,..... ʒj.  
Syr. Picis Liquidæ,  
Aquæ Anisi,..... āā ʒij.  
M. Sig.—A dessertsp. every two hours.

℞. Potassii Iodidi,..... ʒij.  
Vini Colchici Sem.,  
Syr. Simplicis,..... āā ʒiv.  
Aquæ Menthæ Pip.,..... ʒv.  
M. Sig.—Tablesp. every 4 hours.  
(New Orleans Charity Hosp.)

℞. Acidi Salicylici,..... ʒij.  
Ferri Pyrophosphat.,..... ʒj.  
Sodii Phosphatis,..... gr. xij.  
Aquæ,..... ʒvj.  
M. Sig.—A tablesp. every two hours.  
(Peabody.)

℞. Sodii Salicylatis,..... ʒss.  
Tinct. Lavand. Co.,..... ʒiij.  
Glycerini,..... ʒv.  
Aquæ,..... q. s. ad ʒvj.  
M. Sig.—A tablesp. every three hours,  
well diluted.

### Rheumatism, Chronic.

**Arsenic**, is very good in most cases, given in small doses steadily (Da C); is more efficient than Sulphur and should be used instead of the latter in the Chelsea Pensioner, an old remedy for chronic rheumatism (Fothergill). **Sulphur** waters are undoubtedly efficient (Da C); Sulphur locally, also the Sulphides as baths (R); is certainly of benefit (B). **Guaiac** is another ingredient of the Chelsea Pensioner; is used with varying success (B); the ammoniated tincture in milk often gives excellent results (Da C); is vile to the taste. **Potassium Iodide**, especially when pains are worse at night, or of syphilitic origin (R); should always be fairly tried in chronic rheumatism (Da C); was Sir Astley Cooper's remedy; Iodides often prove very satisfactory, especially in strumous or syphilitic subjects (B). **Ichthyol** in 10 to 50 per cent. ointment applied over the affected part, no remedy equally efficient (Unna); also internally in doses of 3 to 5 drops, continued for several months, has cured a number of obstinate chronic cases (Schmidt). **Salicylates** are often temporarily of great service (W); that of Lithium gives good results in lingering subacute cases remaining after acute attacks (Da C). **Saloquinine** always allays the pains (Tauszk). **Mesotan**, a salicylic preparation, locally by rubbing, is efficient in the acute exacerbations (Ruhemann). **Cimicifuga**, sometimes has wonderful success, yet often fails; no indications (B); is rheumatic neuralgias and headaches, and rheumatism of uterus (P); signally beneficial in many forms (R). **Lithium Bromide**, gives excellent results, when smaller joints are swollen and tender (B). **Rhus Toxicodendron**, a very powerful agent in subacute muscular or tendinous rheumatism worse at night (Pf); the tendons, ligaments, and fasciæ are most benefited; externally, as lotion on compresses; also internally, small doses every two hours (P). **Aconite**, the extract as plaster to joints is unquestionably very useful (P); is more useful in chronic than acute rheumatism (Wa); the liniment of the B. P. locally over the sciatic nerve when affected (Fothergill). **Colchicum** is of decided benefit in the neuralgia of chronic rheumatism (B). **Colchicine Salicylate** is used with benefit. **Bryonia** is often useful, especially for stiff and painful joints (P). **Formic Acid** gtt. v of a 2 per cent. solution, preceded by gtt. viij of a 1 per cent. cocaine solution, hypodermically in several places on the extensor side of limbs, efficiently relieves pain and proves curative (Couch). **Mercury**, the oleate of Mercury and Morphine locally (R). **Mezereon** is strongly recommended (P). **Phytolacca**, has proved useful (B). **Dulcamara**, has been used with benefit (P). **Iodine**, locally, for pain around joints (R). **Quinine**, in rheumatism with debility, shown by night sweats or sweats during sleep and only then (Wa). **Arnica**, the tincture and infusion are useful (P). **Cajuput Oil**, internally and externally in muscular rheumatism (P). **Turpentine**, benefits and relieves the pains; internally and externally as liniment (P). **Aletris**, is extensively advertised as an efficient remedy. **Nuclein**, has been used with decided advantage (Vaughn). **Eucalyptus**, the leaves wrapped around the affected part, renewing them daily for a week or more, often very efficient as a local stimulant, but will produce vesication if too long continued (Gibbons). **Xanthoxylum**, has long had deserved reputation, ℞xv-5ij of fluidextract (B). **Thuja Occidentalis**, is useful for rheumatic pains (P). **Manganese Sulphate**, is one of the remedies (B). **Belladonna**, the extract locally very valuable for pains (P). **Cod-liver Oil**, internally and externally, exercises some influence (B). **Chimaphila**, may prove useful, especially when lithiasis (P). **Lupulin**, as an anodyne (P). **Burgundy Pitch**, as plaster locally (P). **Aliment**, avoid spirits and malt liquors, coffee, also starchy, animal and saccharine food; the farinaceous vegetables and acid fruits suitable (B); Alkaline mineral waters have deserved reputation (B). **Turkish Baths**, in chronic muscular rheumatism (B); steam bath daily of great benefit, may be obtained at home by pouring water on hot bricks in a tub, the patient sitting on a board or chair above, enveloped in a blanket (Brick). **Carbonic Acid Baths** are sometimes beneficial. **Red Flannel** next skin, very popular, but white is better, as the red often gives rise to eruptions (Da C). [Compare ARTHRITIS, GOUT, LUMBAGO, MYALGIA, PLEURODYNIA, SCIATICA.]

R. Guaiaci,  
Potassii Iodidi,.....āā ʒj.  
Tinct. Colchici Seminis,.... ʒiij.  
Aquæ Cinnamomi,  
Syrupi,.....āā q. s. ad ʒvj.  
M. Sig.—A dessertsp. to a tablesp. thrice daily.  
(*Pepper.*)

R. Arseni Trioxidi,..... gr. iij.  
Guaiaci,..... ʒiij.  
Capsici,..... ʒss.  
Pil. Aloes et Myrrhæ,..... ʒiij.  
Ft. pil. no. cxx. Sig.—One thrice daily.  
The modified Chelsea Pensioner.  
(*Fothergill.*)

R. Olei Sinapis,..... ʒss.  
Olei Terebinth.,..... ʒiij.  
Camphoræ,..... ʒiv.  
Aquæ Ammon. Fort.,..... ʒiij.  
Tinct. Capsici,..... ʒiv.  
Alcoholis,..... q. s. ad ʒvj.  
M. Sig.—Russian Spirit, a liniment for rheumatism.

R. Potassii Iodidi,..... ʒj.  
Potassii Nitratis,..... ʒss.  
Fluidextr. Cimicif.  
Glycerini,..... āā ʒss.  
Vini Colchici Sem., q. s. ad ʒij.  
M. Sig.—A teasp. after each meal.

### Rheumatism, Gonorrhœal.

**Opium**, as Dover's powder, full doses in the acute stage (Wa). **Potassium Iodide**, with tonics and stimulants, after the acute stage has passed, followed by friction, shampooing, and passive movements of the joints (Wa). **Ammonium Chloride**, in free doses, especially when the muscles are affected (Fuller). **Potassium Chlorate**, internally, and as urethral injection, until urethral discharge is entirely stopped, then ℥xxx of Tinct. Ferri Chlor. 4 times daily, with gr. x. of Quinine daily, and good food (Da C). **Aspirate**, when pus is discovered around the joints; the case will be one of pyemic rheumatism, and may involve more joints than one (Da C).

### Rheumatism, Muscular.

**Salicylates** possess the greatest power for good of all known agents in muscular rheumatism, rheumatic neuritis, and other irregular forms of rheumatism (W). **Aspirin** is an excellent salicylate for this affection (Merkel). **Saloquinine** benefits the most obstinate cases (Tauszk). **Mesotan** rubbed in locally is very efficient (Ruhemann). **Lithium Bromide**, is almost specific (B); Lithium and its salts where there is a uric acid diathesis. **Colchicine**, a 10 per cent. solution in 5-minim doses hypodermically thrice daily into the affected muscles, very effective in cases resisting other treatment. **Colchicine Salicylate**, is used with benefit. **Aurum**, the Bromide of Gold and Arsenic is employed successfully (Barclay). **Pilocarpus**, or Pilocarpine hypodermically, to get the skin acting freely, a great desideratum (Da C). **Potassium Iodide** and **Colchicum**, or **Quinine**, gr. xij-xvj in 24 hours, if the case lingers over a week (Da C). **Capsicum**, powdered, with Lard, ʒij to the ʒ, rubbed over the part, night and morning, with a gloved hand, is very efficient (Macdonald). **Cimicifuga**, is often very efficient in lumbago, myalgia, pleurodynia, and similar conditions (Wa). **Xanthoxylum**, gives relief in some cases of muscular rheumatism (B). **Morphine** and **Atropine** together hypodermically, for severe pain; are of great service in most forms (R). **Diaphoretics**, as Dover's powder made with potassium nitrate, or Ammonium salts, with dry heat to the part involved, and rest in bed (Da C). **Liniments** are of little use except to amuse the patient, but Chloral ʒj in ʒvj of Linim. Saponis, makes a good one (Da C). **Electricity**, the constant current daily renders good service. [Compare GOUT, LUMBAGO, MYALGIA, NEURITIS, PLEURODYNIA, RHEUMATISM CHRONIC, TORTICOLLIS.]

### Roseola.

**Aconite** or **Belladonna**, according to the symptoms, in epidemic roseola or German measles. **Ammonium Carbonate** may be indicated in severe cases. **Treatment** is expectant and symptomatic, and very little is required; saline expectorants and gargles for throat symptoms, as in measles, also rest in bed in a warm room. Local applications are seldom called for, the rash being but slightly irritant. [Compare ERUPTIONS, ERYTHEMA, MEASLES; and for other forms of Roseola see SYPHILIS, TYPHOID FEVER, VACCINATION.]

### Sarcinæ.

**Sulphites** and **Hyposulphites**, have been employed to destroy sarcinæ and torulæ in the stomach (R); or **Sulphurous Acid**, diluted, before each meal (Wa). The treatment of these microscopic fungi is that of the primary gastric affection. [Compare CANCER, DYSPEPSIA, GASTRIC DILATATION.]

### Scabies.

**Sulphur**, a solution of Potassa Sulphurata ʒss in ʒj, as local application; an extemporaneous Sulphide may be made by boiling one part of quicklime and two of sulphur in ten of water (B); **Sulphurous Acid**, as gaseous bath, the quickest method; Hebra's mixture of Sulphur, Chalk, Tar, Soap and Lard, less irritating and equally sure (R). **Calcium Sulphide**, as a bath (W). **Sulphuric Acid**, internally, has cured when other remedies failed (Wa). **Storax**, equally serviceable and not irritating as is Sulphur, one part to two of Olive Oil, with a warm bath (R). **Mercury**, the Bichloride is very efficient, if used strong enough, but caution is required in its employment (B). **Epicarin** in 5 to 10 per cent. ointment, is an excellent parasiticide (Leitch). **Phenol** ʒj to the ʒ of glycerin locally (B). **Creolin** as a 5 per cent. ointment with vaselin, has been largely used with great success (W). **Thigenol** is very efficient. **Staphisagria**, a certain remedy; ʒ to ʒj of Lard, boiled for 24 hours, when cooled, after straining add a little essence; friction with this 4 times daily (Wa). **Balsam of Peru**, the best of all applications, killing the acarus, relieving the itching and dermatitis, and disinfecting the parts; rub in ʒj over the body after a warm bath (Bruce); is fatal to the itch-mite (Oldberg). **Manganese**, the Oxide, ʒij to ʒj Adipis as ointment (B). **Copper Sulphate**, as lotion, ʒj to Oj, has been used with great success, after crusts are thoroughly removed with soap and water (B). **Alkalies** as soaps or ointments to soften the cuticle and break up burrows (R). **Cocculus Indicus** as an ointment, is efficient (P); or **Picrotoxin** in ointment, gr. x to the ʒ, if not applied to an abraded surface. **Tar** as ointment relieves the itching quickly and cures in 10 or 12 days (P). **Benzoic Acid** in 1 to 200 aqueous solution as a lotion for the itching (R). **Naphthol**, in 3 to 5 per cent. alcoholic solution or as a 10 per cent. ointment, is by far the best application (Shoemaker); a 2 per cent. ointment applied by friction has caused acute nephritis in two brothers aged 6 and 8 years, one of whom died therefrom (Baatz). **Linen**, should be immersed in boiling water, other garments should be baked in an oven or well fumigated with Sulphur vapor, to destroy the acari and their ova (R).

R. Hydrarg. Chlor. Corr.,..... gr. iv.  
Alcoholis,..... ʒvj.  
Ammonii Chloridi,..... ʒss.  
Aquæ Rosæ,..... q. s. ad ʒvj.  
M. Sig.—Lotion for scabies, phthiriasis, and tinea versicolor.  
(*Fox.*)

R. Sulph. Sublimat.,  
Olei Cadini,..... āā ʒij.  
Cretæ Preparatæ,..... ʒijss.  
Saponis Viridis,  
Adipis,..... āā ʒj.  
M. ft. unguentum.  
(*Bulkley.*)

### Scarlet Fever.

**Aconite**, of the highest value for all marked increase of temperature (R); helps development of the eruption when due (P); in the early stage, when patient is not decidedly adynamic, is very useful (W). **Belladonna**, during the eruptive stage, when depression exists, and rash is imperfectly evolved (B); as prophylactic has been recommended (R); is often efficacious as prophylactic (P); the preponderance of evidence is certainly in favor of such use of the drug (Pf); this virtue is claimed by imposing authorities: when so given its dose is gr. ʒ several times a day (Tr). **Mercury**, gr. ʒ of Gray Powder every hour has marked effect on inflamed tonsils (R). **Ammonium Carbonate**, feeble circulation, cyanosis, delirium (B); in all forms, especially if given early (R); one of the most reliable remedies, gr. iij-vij, according to age, in milk or Cinnamon-water, every hour or two (Wa). **Potassium Iodide**, in full doses, a very satisfactory remedy (Mitchell). **Salicylic Acid**, given in 125 malignant cases, with

mortality of only  $3\frac{1}{2}$  per cent. (Shakowaki). **Salol**, in doses of 7 to 30 grains daily, according to age, internally, with gargles of a solution of Phenol, used in several cases with recovery in all and without albuminuria or other complications (Quioc). **Quinine Salicylate** is an excellent adjuvant, especially in the advanced stages when a tonic is required (Sir J. Moore). **Phenol** used internally and as a gargle, is used with benefit; seems to exercise some influence as prophylactic (Wa); is good for the vomiting and for its general effect on the disease;  $\mathfrak{mss}$ , every 2 or 3 hours (Da C). **Sodium Phenolsulphonate**, as a means of introducing Phenol into the system; has been successfully employed (Wa). **Chloral** with Paregoric, is highly efficient for calming the patient. **Potassium Chlorate**, in grain-doses every  $\frac{1}{2}$  hour, will not injure the kidneys, and will give results equal to those of larger doses on the throat inflammation (Smith). **Asclepias**, to promote the eruption (W). **Zinc Sulphate**, gr  $\frac{1}{20}$  every 3 hours, believed to have specific influence on the disease (Hoyt). **Sodium Benzoate**, is highly efficient, having slower but more permanent effects on the fever than Quinine or the Salicylates (Klebs). **Boric Acid**, makes an excellent gargle (Da C). **Juniper**, as diuretic when dropsy (R). **Magnesium Sulphate**, as purgative, to prevent sore throat and other sequelæ (R). **Collargol** by inunction, cured a grave case in a child of  $2\frac{1}{2}$  years (Netter); employed with good effect in an epidemic of malignant type (Credé). **Ichthyol** in 5 per cent. ointment, causes rapid decline of the cutaneous symptoms (Seibert). **Antipyrine** for high temperature (W). **Mineral Acids**, Hydrochloric internally and as gargle, Nitric locally to sloughs in the throat (R). **Veratrum Viride** for convulsions (R). **Rhus Toxicodendron**, of great service, if typhoid or rheumatic symptoms (P). **Digitalis**, very useful; lowers temperature and maintains kidney action (B), the best antipyretic and diuretic, the infusion with dry cups for the renal dropsy in its inception; later on a milk diet and Basham's mixture (Da C). **Potassium Permanganate**, locally to throat, and internally, gr  $\frac{1}{4}$ -j ter die, of undoubted benefit (B). **Sulphurous Acid**, by inhalation, spray, or fumigation, in malignant sore throat (R). **Chlorine Water**, in sloughing of throat (R); seemingly prophylactic (Wa). **Quinine**, small doses in adynamic states, large in hyperpyrexia (B); very successful when used systematically from the start (Wa). **Ferric Chloride**, the tincture in doses of  $\mathfrak{mxx}$ -xv, according to age in advanced stage; when albuminuria and hematuria, is very valuable (Wa). **Streptococcus Antitoxin** may be of service (W); has been used with benefit (Josias). **Blood-serum** from scarlatinal patients has been used, with the result of shortening the course of the disease and ameliorating the symptoms. **Mustard Bath**, on recession of rash, to bring it back (R). **Oil Inunctions**, very grateful, especially useful in desquamative stage. Cacao butter the most elegant (B). **Ice**, sucked, for the sore throat (R). **Water**, cold baths with oil inunctions, are all that are needed in mild cases; when temperature above  $104^{\circ}$ , urine scanty and rash retroceding, the cold-wet pack renders signal service (R); cold wet compress to neck, through the whole course, renewed every 3 hours (R). **Diet**, fruit, if ripe, in season, toast, gruel, etc., in simple cases; in malignant, extract of beef, stimulants as per pulse. Milk the most suitable aliment, both as nutrient and as diuretic; a strict milk diet was enforced during the illness in all the cases mentioned above under Salol (Quioc). [Compare ALBUMINURIA, BRIGHT'S DISEASE, UREMIA.]

R̄. Acidi Borici,..... ʒss.  
Potassii Chloratis,  
Tinct Ferri Chloridi,....āā ʒij.  
Syrupi,  
Aquæ,.....āā ʒij.  
M. Sig.—Tablesp. every 2 hours, to a  
child of five years. (Smith.)

R̄. Acidi Salicylici, ..... ʒij.  
Tinct. Aconiti,.....gtt. xij.  
Infusi Digitalis .....ʒjss.  
Spt. Ammon. Aromat.,....ʒijj.  
Syr. Aurantii Cort.,.....ʒss.  
Aquæ, .....ʒj.  
M. Sig.—Teasp. every 3 hours, for a  
child of five years. (Brown.)

### Sciatica.

**Opium**, internally and externally (Wa). **Morphine**, hypodermically, is especially curative in sciatica (B); 3 or 4 injections of gr.  $\frac{1}{8}$  each may almost be regarded as specific (Wa); a single injection sometimes cures long standing cases permanently; if not it

may be repeated every second day or so (R); should be injected deeply into the adjacent muscular structure (Pepper). **Apomorphine**, gr.  $\frac{1}{10}$  hypodermically, given by accident instead of morphine, caused immediate disappearance of the pain in a very severe and intractable case, not returning again for 12 months, and then only a slight attack which progressed favorably under Potassium Iodide and Gelsemium (Owen). **Antipyrine** or **Acetanilide**, efficiently analgesic. **Salipyrin** has been employed with excellent results in rheumatic sciatica. **Salicylic Acid**, as paste locally, ʒj with ʒiv of Lanolin and Ol. Olivæ, q. s., also Rhus Tox., gtt. j of a 1 per cent. solution of the fluidextract internally every 4 hours, cured one very obstinate case (Aulde). **Salol**, gr. viij in evening and gr. xv more at midnight, completely cured me after 3 weeks' suffering in bed, unrelieved by other remedies (Aschenberg). **Salophen** in 10 per cent. solution by injection into the gluteal muscles, successful in two cases of long standing (Ghetti). **Saloquinine** in 30-grain doses, is very efficient (Overlach). **Guaiacol**, painted over the nerve as a local anesthetic. **Aurum**, the Bromide of Gold and Arsenic has rendered good service in chronic cases. **Chloroform**, applied on flannel along the course of the nerve, and covered with oiled silk (Wa);  $\mathfrak{mxxv}$  of the official spirit, or  $\mathfrak{mxxv}$ -xv of pure chloroform, by deep hypodermic injection into the vicinity of the affected nerve, gives the best results in old cases (B). **Cocaine**, a 4 per cent. solution, hypodermically along the course of the nerve, affords instant relief (Wa); gr.  $\frac{1}{4}$  by subarachnoid spinal injection proved curative (Manega). **Turpentine**, causes an exquisite sensibility along the track of the great nerves (Tr); occasionally of great value in sciatica, yet not a specific, nor have we scientific indications for its use (P); ʒss doses for 4 to 8 successive nights (R). **Sulphur**, locally, believed to relieve the pain; effect probably due to the flannel surrounding it (R); is worthy of trial after active symptoms are subdued (Wa). **Ichthyol** in 10 to 50 per cent. solution applied by rubbing, is superior to any other established remedy (Schweninger); frequently gives surprising results (Eulenber); also internally in doses of  $\mathfrak{mij}$  twice or thrice daily (Crocq). **Veratrine**, in strong ointment or oleate locally; also the tincture of Veratrum Viride internally is recommended (R). **Aconite**, locally (P); as ointment controls sciatica in some cases (R); valuable in many obstinate cases (Wa). **Ammonium Chloride**, in mild forms (R); in cases occurring in the young (Anstie). **Iodides**, in syphilitic or metal poisoned subjects (B); often fails (R); Potassium Iodide in daily doses of ʒj dissolved in decoction of Sarsaparilla, most efficacious in subacute or chronic (Wa); much is to be hoped from it (W). **Iodipin** 75 minims hypodermically along the course of the nerve, has succeeded after all other remedies had failed (Baum). **Formic Acid** gtt. v of a 2 per cent. solution preceded by gtt. viij of a 1 per cent. cocaine solution, by deep injection alongside the nerve, is remarkably efficient (Couch). **Nux Vomica** is often successful in chronic sciatica (Wa). **Strychnine Nitrate** hypodermically into the gluteal region at intervals of one to several days, is the most effective remedy yet employed (Sartsin). **Gelsemium** has been used with varying success (B). **Belladonna**, has afforded relief (R); Atropine, hypodermically, is curative, gr.  $\frac{1}{30}$  to  $\frac{1}{20}$  in the vicinity of the nerve (B). **Stramonium**, gr.  $\frac{1}{4}$  to  $\frac{1}{2}$  every 3 or 4 hours for 4 or 5 doses, often affords decided relief, but should be stopped when the slightest symptoms of narcotism appear (P). **Duboisine**, is a good substitute for Atropine, and equally effective. **Phosphorus**, in neuralgic form; less satisfactory in sciatica than in other neuralgias (R). **Rhus Toxicodendron**, a very powerful therapeutic agent in various rheumatic affections of the fibrous tissues (P). **Cimicifuga**, is highly extolled (R). **Nitroglycerin**, in doses of  $\mathfrak{mij}$  thrice daily, gradually increased to  $\mathfrak{mxxv}$ , of a one per cent. solution, promptly curative in a long-standing and severe case (Lawrence); its powerful anti-neuralgic properties were well exhibited in 3 cases which would not respond to other agents, two being cured and one remarkably improved thereby (Mikhalkine). [See formula below.] **Cold** of intense degree, produced by refrigeration of limb by Methyl Chloride, extremely efficient (Jacoby); has been found effectual when applied to the sound limb. **Cantharides**, as counter-irritant, to free vesication (R). **Aquapuncture**, has had extraordinary success (B). [See under NEURALGIA.] **Acupuncture**, occasionally affords instant relief (B); often cures cases of long standing (R). **Nerve-stretching**, by forcibly flexing the thigh on the abdomen (Lange). **Poultices**, applied very hot (R). **Turkish-Baths**, are often very useful (R). **Electricity**, produces excellent

results (B); does great good, but often aggravates; the continuous current best, when stage of acute inflammation past (W); galvanism often quickly relieves the pain (Pepper). **Cod-liver Oil**, should always be tried in obstinate cases (W). [Compare NEURALGIA, RHEUMATISM CHRONIC.]

<p>℞ Tinct. Colchici Seminis, Tinct. Belladonnæ Fol. Tinct. Aconiti,.....āā ʒj. M. Sig.—℞vj every 6 hours. Remark- ably efficient. (Metcalf.)</p>	<p>℞. Spt. Glycerylis Nitratis,.... ʒjss. Tinct. Capsici,..... ʒij. Aquæ Menthæ Piper,..... ʒiv. M. Sig.—ʒ to ʒo drops to be taken three times a day. (Mikhalkine.)</p>
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### Scleroderma.

**Cod-liver Oil**, our sheet-anchor, used internally and locally (B). **Electricity**, is used successfully (B); with stimulating inunctions offers the best prospect of improvement (Bulkley). **Strontium Iodide**, has been used, with varied results. **Ichthyol** as 10 per cent. ointment with vaselin, to be renewed daily, to the limb first affected, also ʒj in water as a hot bath thrice weekly, caused marked improvement in a case of diffuse scleroderma (Mosler). **Treatment** should be based on general principles. Arsenic and Quinine are often serviceable, also hot baths and inunctions.

### Sclerosis.

**Aurum**, the preparations of Gold are among the remedies which are believed by some writers to retard the progress; others being Arsenic in full doses, Silver Nitrate in  $\frac{1}{4}$  grain doses, Physostigma and Ergot (Osler): Gold is a specially curative agent in all forms of sclerosis, including cirrhosis of the liver, interstitial nephritis, cirrhosis of the lungs; Dr. Barclay's Liquor Auri et Arseni Bromidi is very efficient in these affections, and much superior to the Chloride of Gold and Sodium (E. A. Wood). [Compare the titles mentioned in this article, also ATHEROMA, LOCOMOTOR ATAXIA, PARALYSIS AGITANS, SPINAL SCLEROSIS.]

### Scrofulosis.

**Ammonium Iodide**, when glandular enlargement (Wa); **Ferrous Iodide**, when debility and emaciation, a powerful and efficacious remedy; also in anemia of scrofula, the syrup ℞xx-ʒj ter die (Wa); useful in simple glandular hypertrophy, but disappointing in scrofulous (B). **Strontium Iodide** has been used with varied results in scrofulous otorrhea. **Iodine**, tinct. or oint. applied over scrofulous glands—take care not to increase inflammation (R); Iodine and Iron the best remedies, but all medicines utterly useless without strict hygiene (A). **Aurum**, the Bromide of Gold and Arsenic has rendered good service in a case of adenitis with enormous enlargement of the neck (E. A. Wood) **Calcium Salts**, the Chloride in doses of gr. x-xx in milk after food, when glandular enlargement of neck and chronic diarrhœa; the Phosphate of great use for sores (R); is of eminent service as a palliative (Wa). [See Sulphides below.] **Spongia Usta**, formerly held in high repute; has fallen into perhaps unmerited neglect; contains sodium iodide, magnesium bromide, calcium phosphate and ferric protoxide, all in small quantities (Wa). **Iron**, Ferrum and Calcium Phosphates combined give good results, also chalybeate waters (B); must be long continued (R). **Sulphides**, for sores, abscesses, suppurating glands; gr.  $\frac{1}{20}$  or  $\frac{1}{10}$  of Calcium Sulphide every hour or two (R). **Ichthalbin** has been highly praised in scrofulous conditions with lowered general nutrition (W). **Coniine**, gr.  $\frac{1}{2}$  to ʒj of Almond Oil applied two or three times a day to conjunctivæ in scrofulous photophobia; has proved very successful (P). **Cod-liver Oil**, the best remedy to promote assimilation (B); of great service in the various manifestations of this disease (R). **Stillingia**, a domestic remedy, used with much success (B) **Capsicum**, in scrofulous and fistulous ulcerations, a weak infusion is a useful stimulant (P). **Mezereum**, strongly recommended (P). **Sarsaparilla**, useful by reason of its tonic and alterative properties (P). **Hyoscyamus**, the bruised leaves

as cataplasm for scrofulous ulcers (P). **Prunus Virginiana**, is found very useful in the hectic (P). **Chimaphila**, holds a certain amount of reputation as a useful remedy (P). **Tussilago**, was employed by Cullen (P). **Gentian**, is valued; the infusion a useful vehicle for chalybeates, etc. (P). **Blisters**, for scrofulous glands (R). **Grape-cure**, renders much service (B). **Alcohol**, no doubt as to its great value; with Cod-liver Oil, or in small amounts at meals (Wa). **Phosphorus**, eminently serviceable in scrofuloderma, gr. x in Ol. Olivæ ʒj, doses of ℞v-x, thrice daily after meals (Broad-bent) **Phosphates**, see above, under Calcium and Iron. **Aliment**, raw or broiled meat, the latter for children. Abundance of fresh air and sunshine. **Sea-air**, sunlight, moderate exercise, and light digestible food are necessary. [Compare CACHEXIA, COXALGIA, GLANDULAR AFFECTIONS, OPHTHALMIA.]

### Scurvy.

**Citric Acid**, used with great advantage, though inferior to Lemon-juice (Wa). **Lemon- or Lime-juice**, of the utmost value, both as preventive and a curative agent; its efficacy believed to be due to its Potassium salts; Oranges are highly useful (Wa). **Acids**, especially Vinegar, to prevent scurvy, in the absence of lime-juice or fresh vegetables (R); dilute Hydrochloric Acid, gtt. v, thrice daily with juice of three lemons daily, vegetables and fresh meat (Da C). **Potassium Chlorate**, is probably a remedy of some value (Wa); is not (W). **Cinchona**, a decoction, or the dilute tincture with Myrrh or the Chlorates, a very useful gargle. **Quinine**, internally when much prostration, combined with mineral acids (Wa). **Alcohol**, diluted, as gargle (R). **Atropine**, hypodermically for salivation (R). **Myrrh**, the tincture locally for spongy gums. **Alum** should not be used, as it acts very destructively on the teeth (W). **Liquor Sodæ Chlorinatæ**, ʒvj ad ʒxij aquæ, as a mild application to gums (Wa). **Dietetic Treatment**, alone required; Lemon-juice plays no essential part in the treatment; the full diet of an hospital, comprising fresh meat, vegetables, and milk, is generally sufficient. [Compare CANCRUM ORIS, GUMS, PURPURA.]

### Sea-sickness.

**Antipyrine**, is successfully employed. **Hydrated Chloral** dilates the cerebral vessels and is preferred to all other agents (Binz); in doses of gr. xv-xxx every 4 hours is the most effective remedy (R). **Chloretone** gr. x followed by gr. v every 3 hours, is a reliable remedy (Still). **Bromides**, in full doses (Beard); the Sodium Bromide preferred, in doses of 30 grains thrice daily for 3 days before sailing and continued for the first 3 or 4 days of the voyage, is by far the most effective treatment and never produces evil effects (Rockwell). **Bromipin** in doses of ʒij every 2 or 3 hours, gives very good results, both in preventing and curtailing the attack (Wulff). **Atropine** hypodermically will relieve (B); small doses given with Strychnine are specific in most cases, and in many cases a single dose administered before sailing will effectually prevent seasickness. **Orexin Tannate** gr. v-viii in a cup of broth before sailing and repeated 2 hours before each meal if necessary, has proved very effective (Wild). **Menthol Valerate** (Validol) gtt. x-xv on sugar, has failed in but few cases of many hundred (Koepe). **Cocaine**, is quite efficient: the Hydrochloride 1 in water 100, of which ℞iv-v on a bit of ice thrice daily (Otto); a 2 per cent. solution, as spray high up into nasal passages, is specific against nausea. **Morphine**, gr.  $\frac{1}{2}$  to  $\frac{1}{4}$  hypodermically, will often relieve severe cases (B); often fails (Wa). **Amyl Nitrite**, by inhalation (B); is strongly recommended, but must be cautiously used. **Creosote** to check the vomiting (R). **Chloroform** in drop doses (R); in doses of ℞ij-v on sugar (B). **Staphisagria** has given relief (P). **Calomel** followed by Salines every other day for a week before sailing, also a full meal about an hour before going to sea, and the recumbent posture, will do much to prevent seasickness in most cases. **Champagne** iced, in small doses every quarter-hour (B). **Icebag** to the spine, is often successful (R). [Compare NAUSEA, VOMITING.]