

NEURALGIA AND DEBILITY.

INTERESTING STATEMENT FROM MRS. M. E. MERRICK, OF TORONTO.

Good authority has said that "neuralgia is the cry of the nerves for pure blood." The prompt action of Hood's Sarsaparilla on the blood, combined with its toning and strengthening effect upon the nerves, makes this a most excellent medicine for neuralgia and similar troubles. We commend to all sufferers from such complaints, and especially to ladies, the following statements recently received:—

For a good many years I have been suffering from catarrh, neuralgia and general debility. I failed to obtain any permanent relief from medical advice, and my friends feared I would never find anything to cure me. A short time ago I was induced to try Hood's Sarsaparilla. At that time I was unable to walk even a short distance without feeling a death-like weakness overtake me. And I had intense pains from neuralgia in my head, back and limbs, which were very exhausting. But I am glad to say that soon after I began taking Hood's Sarsaparilla I saw that it was doing me good. I have now taken three bottles and am entirely cured of neuralgia. I am gaining in strength rapidly, and can take a two-mile walk without feeling tired. I do not suffer nearly so much from catarrh, and find that as my strength increases the catarrh decreases. I am indeed a changed woman, and shall always feel grateful to Hood's Sarsaparilla for what it has done for me. It is my wish that this my testimonial shall be published in order that others suffering as I was may learn how to be benefited." Mrs. M. E. Merrick, 36 Wilton Avenue, Toronto, Can.

HEAT FROM THE MOON.—An American scientist has been endeavouring, by means of a very delicate radiometer, to determine the amount of heat given off by the moon. His method was to focus the rays of the moon on the face of the radiometer by a reflecting telescope of sixteen inches aperture. In the case of a new moon, he found that the heat coming from its disc diminished on passing from the convex to the concave edge, and that from the dark surface was so slight as not to affect the apparatus. The maximum radiation of heat came from points of the disc itself, not from its limbs. At full moon the maximum point was at the centre of the disc. The side of the moon which had been exposed to the sun for fourteen days was not warmer than that which had been exposed for seven days. No sensible heat was observed to come from the stars.—*Iron.*

If you are suffering from a feeling of constant tiredness, the result of mental worry or over work, Dr. Williams' Pink Pills will promptly cure you. Give them a trial.

"German Syrup"

Martinsville, N.J., Methodist Parsonage. "My acquaintance with your remedy, Boschee's German Syrup, was made about fourteen years ago, when I contracted a Cold which resulted in a Hoarseness and a Cough which disabled me from filling my pulpit for a number of Sabbaths. After trying a Physician, without obtaining relief—I cannot say now what remedy he prescribed—I saw the advertisement of your remedy and obtained a bottle. I received such quick and permanent help from it that whenever we have had Throat or Bronchial troubles since in our family, Boschee's German Syrup has been our favorite remedy and always with favorable results. I have never hesitated to report my experience of its use to others when I have found them troubled in like manner." REV. W. H. HAGGARTY, of the Newark, New Jersey, M.E. Conference, April 25, '90.

A Safe Remedy.

G. G. GREEN, Sole Man'fr, Woodbury, N.J.

SCIENTIFIC AND SANITARY.

To solder aluminum, the line of juncture is prepared by applying a mixture of resin, tallow and neutral chloride of zinc. Scraping or cleaning the joints is to be avoided, although alcohol or turpentine may be used when cleaning is absolutely necessary. By applying the hot soldering iron the neutral chloride of zinc is at once converted into metallic. The rapid action thus created forms the strong affinity for aluminum.—*Aluminum Age.*

EXPERIMENTS in various methods of seeding wheat have been conducted for a series of years at the Ohio Experiment Station, with the following results: In the average of four years' experiments, wheat covered one inch or less has produced at the rate of thirty-four bushels per acre, that covered two inches has produced thirty-five bushels, and that covered three inches thirty-four bushels. Judging from a smaller number of experiments it does not seem advisable to sow deeper than three inches. In the average of six years, wheat sown with the roller-drill has yielded about eight per cent. more than that sown with the ordinary drill. More or less increase has followed the roller-drill in almost every season, but a single trial has given results unfavourable to the use of the common roller after seeding. Broadcast wheat has this year yielded about the same as that drilled; but in the average of five years the produce from broadcast seed is considerably smaller than from the same quantity of seed drilled. The results of seven years' experiments point clearly to the latter part of September or first of October as the most favourable season for sowing wheat on this farm. A single experiment, made this year, fails to show any advantage in favour of cross drilling over sowing the same quantity of seed in the ordinary manner. No larger crop has been produced this year from mixed seed of two varieties than from pure seed of the same varieties sown separately. The land upon which these experiments were made lies in the valley of the Olentangy, one of the largest branches of the Scioto. The soil is a yellow loam, part first and part second bottom. It is either naturally underdrained with gravel or artificially drained with tiles, and its average yield of wheat for thirteen years has been over twenty-six bushels per acre, on an annual acreage of about thirty acres.

ARCTURUS is 11,500,000 times as far away as the sun. Dividing that by 140,000 we get the number 82, which may be taken as a measure of the diameter of Arcturus, as compared with the diameter of the sun. The sun's diameter is 866,000 miles, and, therefore, the diameter of Arcturus must be about 71,000,000 miles, and its circumference 224,000,000 miles! In bulk it is 551,000 times as great as the sun! Arcturus, having 82 times the diameter on the sun, must shine, if every point on it is as bright as a corresponding point of the sun, 6,724 times as brilliantly as the sun does, because the surface of spheres vary as the squares of their diameter. On the sun the force of gravity is 27 times as great as on the surface of the earth, but on Arcturus, supposing the same mean density, it would be 2,200 times as great, so that a man weighing 200 pounds transported to Arcturus would be crushed under his own weight of 440,000 pounds into a flat speck of protoplasmic nonentity. If we suppose that the size of an inhabitant of Arcturus should correspond with that of the globe upon which he dwells, he would be upwards of ten miles tall, and if he were, on the other hand, small in proportion to the size of the globe, and the general opinion of astronomers is that he would be small rather than large, then he would be only one-thousandth of an inch tall. Arcturus may have a great family of planets proportioned in size to the tremendous size of the star itself. If that gigantic sun has its planets on the same proportionate scale as our solar system, then a planet belonging to Arcturus and corresponding in comparative size and place to the earth would be 65,600 miles in diameter and 2,000,000 around, or half as large as the sun itself, but its distance from Arcturus would be enormous as compared with the distance from the earth to the sun.—*Pittsburgh Dispatch.*

Minard's Liniment Cures Dandruff.

A NEW method of hardening cast steel is said to be the most simple and effective in the world. Tempering edged tools by dipping them in oil while hot has been known and utilized for some time; but the Swiss method is mixing four parts of pulverized resin, two parts of train oil, in a suitable vessel, and this mixture being then stirred in one part of hot tallow. Into this mixture the article to be hardened is plunged at a low red heat, and left there until thoroughly cooled. Without cleaning off, the piece is again put into the fire and tempered according to the usual practice. The secret of this process lies probably in the fact of having the mixture hot. An examination of steel, hardened by this process, shows that the hardening is deeper and more uniformly distributed, the steel being less brittle, and having superior and more durable cutting qualities, than is the case by the use of any other means.

THE laughing plant is the name of a plant growing in Arabia, and, according to the *Medical Times*, is so called by reason of the effect produced upon those who eat its seeds. The plant is of moderate size, with bright yellow flowers, and soft, velvety seed-pods, each of which contains two or three seeds resembling black beans. The natives of the district where the plant grows dry these seeds and reduce them to powder. A dose of this powder has similar effects to those arising from the inhalation of laughing-gas. It causes the more sober person to dance, shout and laugh with the boisterous excitement of a madman, and to rush about cutting the most ridiculous capers for about an hour. At the expiration of this time exhaustion sets in, and the excited person falls asleep, to awake after several hours with no recollection of his antics.

THE bit of glass to be formed into a lens is fastened by means of pitch to a small block of hard rubber so that it may be more readily handled. It is ground by being pressed against a rapidly revolving metal tool, whose curvature is equal and opposite to that desired in the lens. This is known as the "rough tool," and is made of cast iron. It is mounted on a vertical spindle, and is kept moistened with emery and water. Several grades of emery are used in succession, changing from coarse to fine as the grinding proceeds. As a result of this process, the glass has a rough surface and is no longer transparent. It is now transferred to the "fine tool." This is made of brass and has its surface as true as possible. It is compared from time to time with a standard curve, in order to ensure accuracy. In this second grinding the abrading material is rouge (carefully calcined sulphate of iron). Finally the lens is polished by being pressed against a piece of cloth powdered with rouge and fastened to the rotating tool. The glass is now loosened from its block, turned over, and the reverse side of the lens ground. When this has been accomplished, the lens must be cut down to the proper shape for mounting in the spectacle-frame. It is placed on a leather cushion, and held firmly in position by a rubber-tipped arm, while a diamond glass-cutter passing around an oval guide traces a similar oval on the glass below. The superfluous glass outside of the oval is removed by steel pincers, the rough edges are ground smooth on Scotch wheels, and the lens is ready for mounting. The glasses for small telescopes, microscopes, burning-glasses and the like are ground in the same fashion.—*From Glass in Science, by Prof. C. H. Henderson, in the Popular Science Monthly, for September.*

C. C. RICHARDS & Co.

Gents.—I took a severe cold, which settled in my throat and lungs and caused me to entirely lose my voice. For six weeks I suffered great pain. My wife advised me to try MINARD'S LINIMENT and the effect was magical, for after only three doses and an outward application, my voice returned and I was able to speak in the Army that night, a privilege I had been unable to enjoy for six weeks.

Yarmouth.

CHARLES PLUMMER.

A PASSION for the dramatic art is inherent in the nature of man.—*Edwin Forrest.*

If You Wish

To overcome that extreme Tired Feeling, or to build up your appetite and purify your blood, take

Hood's Sarsaparilla

Possessing the best known vegetable tonic and alternative properties, it builds up in a perfectly natural way all the weakened parts, purifies and promotes healthy circulation of the blood, and makes you feel real hungry.

For the Blood.

"Toronto, April 18, 1891.

"Having tried Hood's Sarsaparilla I wish to state that I have found it excellent. I have used about 4 bottles and have proved the virtue of it for the blood and appetite. I have found no equal to it and cheerfully recommend it to others." F. LOACH, Engineer for W. H. Banfield, No. 80 Wellington St. West, Toronto.

Believes it Unsurpassed.

"Toronto, April 17, 1891.

"From my own experience and from the experience of others to whom I have recommended Hood's Sarsaparilla, I have proved to be one of the best blood purifiers and Spring medicines extant. I believe

Hood's Sarsaparilla

to be unsurpassed by any other remedy on the market." D. L. JONES, 345 College Street, Toronto.

THE wizard is at present expending a great deal of energy on his magnetic ore separating works at Ogden, N. J., which have been a complete success. When Edison showed the iron and steel men of the country the pure magnetic oxide in fine powder produced by his process they pooh-poohed it. It is good ore, they said, but can never be worked, as it will blow out of the furnaces and produce plenty of dust, but no iron. They don't say so now. At Ogden his work-company has \$60,000,000 worth of workable rock in sight, and he is tearing down the mountain wherever there is 20 per cent. of iron in the rock and getting it all out. The inventor continues to work 16 to 18 hours daily, and says sleep is a habit which can be got rid of in large degree.—*Boston Journal.*

THE worst cases of scrofula, salt rheum and other diseases of the blood, are cured by Hood's Sarsaparilla.

THE Purest and Best Articles known to medical science are used in preparing Hood's Sarsaparilla. Every ingredient is carefully selected, personally examined, and only the best retained. The medicine is prepared under the supervision of thoroughly competent pharmacists, and every step in the process of manufacture is carefully watched with a view to securing in Hood's Sarsaparilla the best possible result.

DR. T. A. SLOCUM'S

OXYGENIZED EMULSION OF PURE COD LIVER OIL. If you have any Throat Trouble—Use it. For sale by all druggists. 35 cents per bottle.

A Skin of Beauty is a Joy Forever.

DR. T. FELIX GOURAUD'S

ORIENTAL CREAM, OR MAGICAL BEAUTIFIER



Removes Tan, Pimples, Freckles, Moth-patches, Rash and Skin diseases, and every blemish on beauty. On its vition. Has stood the test of 40 years; no other has, and is so harmless, you taste it to be sure it is properly made. Accept no counterfeits of similar name. The distinguished Dr. L. A. Sayer, Dr. J. A. Sayer, said to a lady of the *hauiton* (a patient): "As you ladies will use them, I recommend 'Gouraud's Cream' as the most east harmful of all the Skin preparations." One bottle will last six months, using it every day. Subtle removes superfluous hair without injury to the skin. FERD T. HOPKINS, Proprietor, 37 Great Jones St., N.Y. For sale by all Druggists and Fancy Goods Dealers throughout the U. S., Canada and Europe. Beware of base imitations. \$1,000 reward for arrest and proof of anyone selling the same.

Minard's Liniment for sale everywhere.