TREATMENT FOR INTERMITTENT FEVER,

Perhaps some of our readers in malarial districts may profit by the following treatment described in the Sanitarian by Dr. J. R. Black. He mayy an orthodox doetor is very apt to treat a chronic intermittent thus: A mercarial cothartic to clean out the abdominal viscera, then quinine in large doses, and if this does not nueeeed, then in larger and yet larger, to dentroy or nentralize the hypothetical malaris in the syntem. Cases have I seen by the score who had received such treatment for weeks and months unavailingly, who had taken quinine and iron until thoy were, as they expressed it, almost blind and deaf, and yet the ditease persisted, with very brief censations. As a hypienic therapeutist, and as one who has had a large experience with chronic intormittenta, I unhesitatingly affirm of this latitude that scarcely a case of intermittont fover need ever become chronio, and that even when no, proper management will hold the symptoms undor control until the tendency in wholly overcome. The outline of the method is as follown: Inquire carefully into the history of the case, and whether aoclimated or not, direoting special attention to each of the abdominal organn, and, if much deranged, administer the beet aotivo corrective at once. Then anticipate the next paroxyam with 12 grains of quinine, divided into three doses, beginning its administration 18 hours bofore the time of the expeoted chill. Repeat this amount of quinine every soventh day for four consecutive weoks, but nt no other time, except when the patient's indiscretion bringa on an irrogular paroxymm. Daring the intervals administer daily gentle remedies ap propriato to correct the funetions that show the most derangement. These romedios ahould be such as will keep the organs mainly at fanle up as near as possible to the standard of healithy action, and no moro, never allowing the neorotions or excretions of any organ to sivik far bolow the healthy standard, nor cuasing them to rite much above it The diet ahould bo atriotly hygienio, and so also of the exeroine, not per. mitting the vital energy to be apont in toil that should be devoted to recuperation. To guard against external variations of temperature, en. pecially in the unnoolimatod, flamel ahoold bo worn next the akin. The grand oondition of succens lies in the method and moens for keop. ing all the abdominal organs during every day, and for noveral weeks, up to the atandard of healthy sotion, and thus triumphantly riiee the health above the ague point. Qainine is invaluable for the arrest of periodicity, but nothing more. By these meani my pucoess in treatment has been immediate and invariable, even in those cases in whom improper management had led to serions derangement of the liver.
Lavg on Mans. - According to the Iron Age, Prof. Lockyer is of the opinion that human fifo on the planet Mars may be very much like life on the earth, the light cannot be so bright, but the organs of sight may be no much more sut. ceptible as to make tho vision quite as good; the heat is probably lens, as the polar anown certainly extend further, but by no means lea in proportion to the lessened power of the solar rayn. He agroes with others, that severn very remarkable seas, iscluding inland weas, some of them connected and some not connected by atriita with atill larger neas, are now deflaable in the southeru hemiapphere, in which, wit it the case aleo with the earih, writer neems to be much more widely apread than in the noerthern hemisphere. Thers is, for example, a nouthern sea excondingly like the Baltic in shapera and there is another and atill moro remarkable ses, now defined by the observations of many astronomers, one near the equator, a loug atray: gling arm, twisting, almoost in the shape of ao S Faid on its beck, from east to weat, at leat o thoukand miles in lengith and a hundred in thounand

## SURPLUS SHIPS

Thoee who have crosed the bay frequently during the last few monthe have noticed the large aumber of ohipa idly waiting for chartere and have concluded that the ooean freighting buaiaces musi bo cuili. Thus is is ail over the world and the Maritime Journal quotes an ex traot from a apeech of a Brintol, England, ahip owner, which itates factrand draws conclusions. He mind: Last month more than 50,000 toms of ahipping were lying idle in Bombay. In Cal outta, ahipe had beon lying 12 months, during which time there had been from 80,000 to 100,000 tona dinengaged and constantly prosiing on the narket, with froighte averaging about one-hal the paying rate. The Ohina neas and the Straite are full of shipe. In Australia, a friend has had a ehip waiting for three months for a chance to load nome, In San Francisco, there were in July 100,000 tons lying in port. The explau. ation of the prosent condition of the shipping trade is no naw or intricate story. Frue trade increased the volume of exchange in the world in other woris, the volume of the carrying trade of the world - to immensely in proportion to the then existing supply of shipping, that high profita wero the rule Ior many years, ship building was aotively atimalated, and sll the arts conneoted with it were energetically appurrod on. The bistory of the building of iron ahipa in the history of a conatant neries of discoverien and inventioni, involving a rapidly progreasive facil ity of production, and loeding hy chauges of form and now syitoms of management, to such a reduction of coat and extension of accommodation 4 would have asomed, only a year or two before onoh improvement, to be labulous and inered. ibla Henoe a perpetual temptation to from tonnage; and hence fwo million pounds sterling of ahpping are lying ide in the Indian porta at this moment-Pacfic Rural Prest

Raima ax Inon Bridor,-A Peameylvania paper gives an acoount of iaiaing an iron liridgo of the Pennaylvania railroed which spans the Conemaugh at Johnutown. Hydraalic jacks of immonse lifting power wore uned, and alowly but aurely the mupentracture wan raised, apan by span, juat 18 inches. The spans were not dhaconneoted at the piers, and the traian whioh oromed during the forenoon pased along in safety, although the western hall of the bridge wue mo much lower than the saatern seetioin, whioh had been taken up to ite proper hight. The takk wia a delicate on well as a difficult one, but overything moved along like cloek. mork, and the pondcroua weight was at last atjuated to tho proper lovel. The object in making this change ol elevation is for the purpoes of removing the atringers upon which the rails now reet, and replacing the track on the croses ties. It is contended by civil engineers of the road that the bridge in leas liable to gat out of repair in the latter caner nat there is lean danger of lateral motion and of awagging. Whem the atring timbers aro taken out, new croses sleepers of oak will bo laid, and on those the rails will be neearely spiked. To overoome the difference of the thickneen of the atriagers, it was nogestary to either change the groile approasching the bridge at the eant and weent ende, or risio the bridge to correppond with the prieent grode. It wit thought beet to purauo the lat. ter courne, and the work has been antisflutorily oarried out. All the bridges on the division vill be ehaged by the removal of atring tim. bent from under the nile, the aume as has loen done with the Johnatown bridgen

Noeturas Pacyic- - The heayy truflio on the 140 miles of the Northern Pacito railiond, be twoen Brainerd and Yorgo, is alreely begiming to tell on the iron rails faid down in 1872 , and the dirseters have deeided to coammenee replase ing them with steel. An instalmant of 000 tone is now beling manufoctared at Chisogo. The pattern wlopted weighs Dos pouside per yurd, is foes
bene.

NOTE ON NARROW-GAUGE CONSTRUC. TION.
At the recent Narrow.Gange Convention, which we mentioned in a late isure, a report of a committeo on oonstruction was adopted, from which we quote as foliown the ame requirementa necenary in the location are necemary in the cotutruction of narrow or broad gauge roais, that is, mlaptation to the future traffie and work of the read, If heavy trains are to be ran over the road, rail, tien and ballast must be in proportion. If traine aro to ruin at a fast rate, and more stability is required, oross thes must bo loager and ballast wider and deeper. If for pasenger travel it requirea a botter linishod an, wider road lied than for a purfy Ireight triflic, because pasengern farm their catimate of the nafoty of a roal from the geateral appearance of it. It is not surpriaing to your committee that there should be so many of the traveling publice asene to riding on narrow. gauge roald when they call to mind these char: aoteristics of some of the roadet No ballast, tiea laid down in the mad, joints is all shapea, embankmente wo narrow that the tiee project outs not ditched, and almoot rubiting the carn; tracks not aligned, ete., the consequence being that the train runs at about eight to ten miles per hoar, awinging and swaying like a ship at sea. This in not calculated to soothe the timid pamenger, and the worst of it is that, fastead of the engineer of contruetor getting the blanes, the "yystem" obtains it all.
The location of a narrow grauge roail should be a matter of as much care and require the same engineering ability as the loention of a broadgaugo roaci. Indeod, the location of the narrow gauge, if anything, require the moet eare and attention, ar with the change in gange naw problems are introdueed, resistance fue ofo enrvature are changel, propertions of paying to deai weight are alterel, requiring or memitiling of different gradee and curvias from those in use on broad-gauge roada nuited to the same traffic.

Connomor is Son Pura-The Onmidlan Mechanico Majatine nayn: Ouon of corrosion in lead seil pipes are comimon in the experience of avery plumber. Seuticus of a drain will be found fairly honeyeombid with holes, varying from the sfie of a piabeed to a quarter of a dollar. They an almost invariahly located on the upper side of the pipe, and hiace are difil. oult to detect, as thers is bo fluid leakage from them. Thuir origin hae been laid to the over: une of disinfectants, particularly cartolie acili, but chemioal ainalysis shown that rewer juenlone is sufficient to cause stech corrosion is inaventilated lead pipe. Proper ventilation will uadoubtedly poand againat the evil by earrying of the gas before if can do harm.

Livmo yof Botmard-Mr. Fraax Haetigeaback gives the following reeipe for the prepuration of a oonting for the inase surface of Deilers to prevent the lormation of aralo. We guote Irom the Manifacturer anil Mwifher: Gradaally diseolve 5 pounde of a mixture of 25 parta of colophenium, 2) parts of graphite, and 24 parts of lamphlack, in 40 poumis of boiling, ym tar alding aboat one proad of tallow. The solation is difluted with alvent $50 \%$ of the petroleum and applied in a warni atate. 15 hina a prageent unell aid shuald be put en repilly, the precas. tion of using dowed laterna loing necitary. Its effect if to cause the sale to come off in large flakee when pieked,

Amenean Mrenowores,-Prof. J, Gibbans Hunt, M. D., of Philaielphias, in a recest heeture, statel that, in hisopinion (ased he is oue of the moet experienced mieroneopista is this ountry), England, which first introuluced cheap instrumenty, ilus at the feet of Americo in reapeet to both lenses and mechanieal appliatees. fie sage it is affloctation eir stupidity for Amerit tase to anad to Karope for mieroscopes when they can parchano better ones at homes.

