## Tho Kootonay Radiwny.

As was foreshadowed in the July number of the Review, Sir Alexander ('ampbell's vivit to British Columbia has virtually settled the vexed 'fuestion of disallowance. After receiving adrputation at Victoria, fiom the board of 'lade, who are in favour of the bill, and also a hoty of gentlemen who atre opposed to the granting of the chartor and land subidy, the Minister of Justice dealt with the suljpet liberally and practically. Ho suggested that an amendment to the bill, making it obligatory on the company to use the C.1' I. line in the tramsportation of the prolucts of the Kootenay mines, misht he passed at the next session of the loocal Legislature; also that they would not be allowed to go mener than twenty miles of the lommary in the shipment of their ones. These suggestions had previondy been made by him to the promoter, whon he had met in san Franeiseo, and as they had expressed themselves quite willing to -nbmit to the proposed amendments, Sir Alexander thought the company might proceed with their expenditures with the certainty of the bill Leing allowed. As the cunstruction of this ratray will open up a section of comntry aboundines in minemal wealth, but heretofore inaceessible, and will circalate a large amome of foreigu capital in the provinct, the promoters shoud receive erely assistance and encomageenent that would in any manmer necipitate the successful completion of their umbertaking.

## A Ministure Locomotivo.

Thr Eingin+ring aml Miainy youierr', of New York, quotes from the Iuilacry World that tha smallest locomotive engine ever built in the United tates for regular work was recently turned out by M. M. Buck d Co., of st. Lonis, and shipped to the Elmeeplantation, St. Charles Parish, La. This iittle engine was designed by and built under the supervision of Mr. Jay Noble, and is as perfect a piece of mechanism as one would wish to see. Its dimimutiveness may le understood from the following facts respecting it: twenty-one -and out hatif inch grage, diameter of celindi, 61 inches, stroke, 10 inches. forn wheels, diamete: of driving wheels, ot inches; height of engine to top of boiler, $t$ feet 7 inches: weiglit, without water, 5,250 poumls. The engine has link motion, and is made of the best materiak thronghout. The hoiler is of $\frac{1}{4}$ inch iron, and is 30 inches in diameter in the barrel. It is provided with an orm patent jop vatre, hus a steel firchox amd is fed lis tw incpirators. The tauk is mate of No. 10 non, has fun wheels of a diameter of 16 inches, a capacity of 380 gallons, and weigh, without water, 1.100 pomuk. In experimenting with the engine hefore it was shipped, it was found to act very obediently
under the hand of the engineer. A locomotive such as the one described should be well adapted for tramways at mines where ore is carried any distance to point of shipment. Miners desirous of obtaining particulars as to puice and capacity can do so by applying to the pubbeners of the Casadian Minina heview.

## equoricha risemo of canda

During the past three months the field geologists attached to the (reological Survey, one of the most important branches of the Government service, have heen steadily engaged in exploring and examining the mineral sections of the I Ominion and in noting the pogress made in the mining districts where active operations are being proceeded with. A large and most interesting variety of specimens have heen forwarded by them to the museum at Ottawa, and will shortly be exhibited for public inspection. In addition to the specimens of economie minerals, there are many that have no commercial vilne, hut are wonderfully interesting to the student of seology, some of which are very beantiful and valuable as curiosities. 'The museum continues to attract a large number of visitors and, as the otficial book shows, there have been no less than 3,158 names legisterad from June lst, up to Augnst 2 th inclusive, being an important increase on the number registered during the same periol of last year.

## ADMIAISTRATIDA OF MEIMG EnTERPRISES.

One of the chief causes of tinancial uishap, to so much of the money invested in mining enterprises in this country, is in the manner that the business side of the adrenture is carried on.

Men associating themselves together to employ their money in the enterprise of manufacturing hats or shoes, cotton or woollen fabrics. or even to build or operate a line of railway, are sure to be at much pains to place the immediate supervision of the industital conduct of their busiress in the hands of men pactically acquainted with all the details, say, of making hats or shoes, or, in case it were a railway to be laid ont or built, the work of planning and overseeing would bo entrusted to practical and experienced engineers, men throughly acquainted with such undertakings. It is hardly in this rational manner that mining in Camada has been conducted by associated capital, and, as a consequence, many wrecks have resulted in an industry which intrinsically affords a most fertile field for investments if properly cultivated by men having a pacti cal knowledge of their business.

A board of directors composed of merchants or bankers, aided by a
clover solicitor, connot safoly or in telligent!y dictate from their city otices the undorgrotind workings of a silver, gold or copper mine, or how such a property should be exploited. Capitalists should angago in mining in the same intelligent, practical and business-liko way that they do in railway construction or manufacturing, and they would learn that there are few enterprises more likely to yield good returns on the money invested. The pith of the foreguing is taken from an article whech has appeared in the S.Y. Mininy Renord, ardressed to capitalixts in the United States who invest their means in mining rentmes and give no attention to the manmer in which their money is employed. If nature has, in some instances, so providal that fallure is impossible, all is well, but, on the other hand, should sucoess not crown their efforts to make the mine profitable, the shareholders and directors conderm the property and attribute theil failure to a deficiency in the yuantity or quality of its one. From end to end of the Dominion there are monuments to wasted capital in abandoned mines where, if proper managoment had been observed and skilled and competent labour employed, together with scientific know. ledge and suitable machinery, there in dhundant mineral wealth to pay laige profits on the capital necessary to their proper development. Hardly a day passes but some such property, that has long since been abandoned, falls into the hands of English or - Imerican companies, and in many instances, under careful and practical management, they are found to yield profitably. The majority of Canadian people are too congervative to invest in mining enterprises, many have not the means, and those who have, if they are not disposed to risk sufficient to thoroughly organize and equip their mines, with a view to carrying on oprations to tho best advantage, will do well not to engage in such undertakings.

## MORE OF CONNECTICUT'S TRACK MARKED SLABS.

Some remarkable specimens of the tracks of fossil beasts and birds have been discovered recently in the Portland, Conn., quarries. The tracks were taken from a stratum about six or seven inches thick, lying at a depth of about eighty feet from the top of the quarry. One track measures fifteen inches by eleven, and is larger than the track of any living clephan, shows the impression of the tues very distinctly and unmistakably, ani also the reverse representation of the impressions of the inner muscular projections of the bottom of the huge foot. Of tracks there are three on a single slab five to six feet long and perhaps a yard or more wide and seven inches thick. There is no mistaking these tracks. They
are evidently the tracks of some huge beast--and one of the elephant kind, too-and not ang mere acci dental formation by other culuse On one slab near the creature tracks is a stony heap of his ordur. known in geology as coprolites.

One slab bears the ummistakath tracks of some three-toed hird, seem ingly of the ostrich family. The tracks are remarkable for being al most perfectly in a stmight line, as if the creature had bit one lage; no Indam could step stmaghter. Ther suride is about a foot and a hali. However it may be with some other supyosed " tossil bird track" in thes Commecticut valley sandstones, thene certainly are no tracks of the labyrinthodon or any other ancient frog ; they are bird thaeks

One slab hears the impress m reitef of the longitudinal half of tree tronk, semimgly, accordiner t most observers, a hickory tree-for its sharey bark and its very texture aro wonderfully preserved. The slab was ten feet long, and hore th cast of the tree all the way, but this specimen is lut three feet longthe part of it having been cut ofly at the quarry.-Granite ('utters' Journal.

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