

and slate beds in intrusive dykes in Silurian limestone exist. There is quartz tin from Alaska on exhibition at the St. Louis fair, tin that has been extracted by drills run by electric power. So far no large mining machinery is established in the tin region, although electric power is used to drive the drills and other machinery employed.

"The discovery of tin was very similar to the discovery of gold, tin having been found in sluice boxes, where it had been washed down from higher ground. The tin found was of dark colour, and only occasionally were large bits picked up. But its value was soon ascertained, and prospectors hurried there to ascertain the extent of the veins and its occurrence.

REMOVING METAL SPLINTERS FROM THE EYE.

AN accident, to which miners are frequently subject is that occasioned by small pieces of steel flying off drills and entering the eye. These splinters are sometimes very difficult to remove. The use of magnets has been recommended, but even the strongest magnet is entirely inefficient, if the splinters be imbedded. It has been found that a fine, sharp knife is the best instrument, but it requires skill and a steady hand. An effective method in the hands of the inexperienced is that which a London surgeon thus describes in the *Lancet*: "In consequence of the difficulty I experienced in removing from a patient a portion of steel deeply bedded in the cornea, which did not yield to spud or needle, some other means of removal became necessary. Dry, soft, white silk waste suggested itself to me, and was wound around a thin piece of wood so as to completely envelop its end. This soft application was brushed once backward and forwards horizontally over the part of the cornea where the foreign substance seemed fixed. To my astonishment it was at once entangled by the delicate but strong meshes of the silk, and was withdrawn with the greatest ease, caught by the same. A gentleman in turning steel at a lathe suddenly felt that a portion had entered his eye. He went at once to a surgeon, who, with the most skilful manipulation, failed to extract the same, saying it would soon work out of itself. The next morning the patient saw me, having suffered severely since the accident, and on the first application of the silk the steel was extracted."

MACHINERY NOTES.

Referring to the despatch used in installing a new 240 horse power engine at the St. Eugene mill, the *Moyie Leader* states: "The engine arrived here Tuesday morning and it was unloaded and put in place and was running inside of 20 hours. Ordinarily it would have taken from three to five days to have done this work. The new pump is on the way from the east and it will only be a matter of a short time until it will be here."

The Pacific Coast Pipe Works of Vancouver has been awarded the contract for 12,000 feet of 16-inch heavy wire bound wooden pipe for the Trail smelter. It will be used in connection with the three miles of fluming to carry water to the smelting works.

The directors of the B. C. Copper Company have author-

ized the preparation of plans for two additional 400-ton furnaces for installation at the Greenwood smelter.

In an interview recently Mr. C. Fernau, acting for British investors, stated that within the next few weeks the location of a new 40-ton zinc smelter, to be erected near Fernie, would be definitely decided, and construction work proceed thereafter. Mr. Fernau expects to purchase the plant in San Francisco.

The Lucky Boy Mining Company, operating in Lane County, Ore., which installed one of the De Keyser mills for the treatment of concentrates, is reported to have abandoned that process as unsatisfactory. The average saving with the De Keyser mill was but 23 to 25 per cent., which was too low. A Crawford mill is now being used on the property.

A contract has been let for the erection of an aerial tramway at the Jumbo mine, a mile and a half west of town. The length of the line will be within 300 feet of one mile. There will be ore bins at each end and a capacity of at least 500 tons a day, which can be doubled, and possibly trebled, by the simple addition of more buckets. The tramway will be modelled closely on the lines of the one at the Le Roi mine, but the buckets will be somewhat smaller.

A new skip has been ordered for the shaft of the Brooklyn mine, with a capacity of three tons, about double that of the present skip, while also a new air compressor is being installed.

Machinery is expected to arrive shortly from Sherbrooke, Quebec, for the Velvet-Portland's new concentrator, which when in running order, will increase the capacity of the plant to 100 tons a day.

The new tramway from the No. 3 tunnel to the mill at the Wilcox mine, Ymir, has been completed.

Arrangements are being made for the erection of a ten-stamp mill and cyanide plant at the Juno mine, in the Nelson district.

The owners of the Wilcox mine, at Ymir, have purchased the 10-stamp mill built for the Golden Wedge mine on Six-Mile creek, the machinery of which is being removed to the site on the former property. There is already at the Wilcox a small mill of four stamps.

It is reported that orders for supplies and heavy machinery for next year are about to be placed by the Bull River Mining & Power Co.

An electric light and pumping plant has been installed at the Marble Bay mine, Texada Island.

The Wellington Colliery Company is installing a washer of large capacity at the Ladysmith colliery.

In the Atlin district steam shovels are to be extensively used in mining next season, and in addition to those already arranged for the McKee Creek Consolidated Co. contemplate installing a steam shovel on their property in the spring.

Arrangements are being made for the operation of the Ward Horsefly Company's ground by dredging methods. This Cariboo property was recently examined by a California dredging authority, who reported favorably on the proposal.

COMPANY NOTES AND CABLES.

Tyce Copper Co. (Mt. Sicker).—The smelter returns for October were as follows: Smelter ran 27 days; 5,979 tons of Tyce ore smelted, giving a return after deduction of freight and refining charges of \$83,547.

Alaska Treadwell—The October returns were: 240 stamp mill ran 29¾ days. 300 stamp mill ran 28¾ days. Crushed 78,746 tons ore. Estimated realisable value of the bullion, \$89,357. Saved 1,850 tons sulphurets. Estimated realisable value of same \$97,000. Working expenses for month, \$83,918.

Le Roi (Rossland).—The following report for October has been received: "Shipped from the mine to the Northport smelter during the past month 10,211 tons of specially select-