

values warrant must have its ore treated in bulk by some smelting or chemical process.

Transportation charges of coke and coal and the necessary fluxes up to the mine to counteract the zinc contents, or want of sufficient lead, in most cases prohibit a smelting process.

We can only then begin where Broken Hill has left off in their costly experiments lasting over many years, having in our favour over them cheaper power from our creeks to generate electricity, abundant timber for all purposes, cheaper fuel in coal and coke, and possible fluxes in the district.

Their hope is in the Phoenix process of bessemerizing with chlorine gas, and using a cycling chemical reaction also making marketable zinc. Rumours are rife of other processes there. Magnetic separation of blende from galena will not help us where the silver is unalloyed with lead and zinc. Would this system of treatment aid us, viz. : Dry crushing, dry concentration with sizers and Clarkson-Stanfield's centrifugal machines, or with pneumatic blowers; then treating the product, briquetted or sintered if necessary, by the Phoenix process?

We have to put our heads together to think out, and spend money in trying to solve successful extraction, that will add millions to the world's wealth, and many dividends to the lucky shareholders interested in these Slocan mines. Let us remember that the big tonnage of average grade ore, when effectually treated, make larger and more permanent mines than shipments only of rich picked material.

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