

**WIDE FIELD FOR
"PROCESS MEN."**

**New Metallurgical Treatments
and Their Usefulness in
the Mining World.**

In its current issue the Mining and Scientific Press editorially says:

"New metallurgical processes have for many years been a hobby with some men, and among them have been some of the most ingenious and at the same time most worthless combinations of chemicals, mechanical devices, and varied applications of heat, that the human mind can conceive, but there also have been those of real worth—processes that have revolutionized the practice of gold treatment in some districts. Notable among these are the cyanide and barrel-chlorination processes, with their modifications, and more recently the successful application of the bromine process. Smelting has also advanced to a remarkable extent within the past decade. In this direction pyritic smelting, though not a new method of ore treatment, has been successfully applied in the United States, first at Deadwood, S. D., by Franklin R. Carpenter, and later by others at numerous places. In the early history of Colorado smelters were built in almost every camp of prominence, but the knowledge of the smelting was not sufficiently advanced at that time to make success always possible, and in many instances the see old plants, erected at great expense, owing to lack of economical transportation facilities, may still be seen, usually monuments to misdirected enterprises. Mills supplanted smelters on every side and made the operation of the mines possible at a profit. Milling in time became reduced to a science, and within recent years, with cyanide or chlorination plants as accessories ores containing low values are made to yield a profit. But since the advent of successful and inexpensive pyritic smelting the smelters are again coming into favor in many places, but where these are advised and operated by those who have the technical knowledge and the skill which comes with experience, success instead of failure results and may be anticipated. In some instances, where the wet methods and pyritic smelting are in competition for custom ores, the smelters have been able to meet the charges of the mills, but this can only be possible where every condition is favorable to the smelter. The obtaining of the necessary fluxes with ore of suitable character is important. A pyritic smelter located at a distance from cheap limestone can hardly compete with a cyanide or chlorination works of equal tonnage capacity, where conditions are more favorable to the latter class of reduction works.

"This is an era of investigation, and the 'process men' still have a wide field for the exercise of their ingenuity, for no one believes that the best has yet been attained in the realm of metallurgical experience. Most of the investigation is being carried out along scientific lines, and little that is valuable is the result of accidental discovery."

Great Fortunes in Mining.

The Baker City Herald makes the following pertinent editorial remarks:

"Greater fortunes will be accumulated within the next few years through mining enterprises than have ever been made in the great past that has gone down to history. There are today idle 'prospects' almost ignored that are destined to develop into larger producers of wealth than any of our now famous properties. New sections of the country are being opened up, new machinery is being introduced, new markets and new uses for our metals are being discovered and encouraged. It is a vast system of progression, yet one in which the supply is not keeping pace to the demand, and to the man who will take the trouble to look before he leaps, unprecedented opportunities are now waiting to be utilized as a medium for producing enormous profit with small capital."

**NINE STRIKE MAKES
GOOD SHOWING.**

**Rich Sulphides—Development
Work Will be Carried on
This Summer.**

The owners of the Nine Strike in the Cracker Creek district, while doing their assessment work last week, encountered some very rich sulphide ore. No assays have yet been made, but the ore has the appearance of being very high grade. The Nine Strike is an old property, having been located in 1888, and the group contains five full claims. The vein system is an extension of the Cracker Oregon. The group is owned by W. H. Gleason, Jack Gibbs, Albert Weiss and Joseph Michael.

The property has two ledges, one twelve feet and the other fifty-one feet between the walls, the latter having some eight or ten feet of wall and gouge matter leaving over forty feet of gold bearing quartz. It is a first class smelting or concentrating proposition. At present the fifty foot ledge is being drifted upon in the course of assessment work, but the owners will probably put on a force of men and do a lot of development this summer. They regard the present showing sufficient to warrant more extensive operations.

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