



Needs of the Mining Department.

If one were to take a trade catalogue of laboratory supplies and eliminate the duplicates, it would give a fair idea of the needs of the Mining Department in the matter of equipment; not to speak of commodious quarters in which to place it. Fundamentally, the need calls for a separate building with space and machinery for sampling, crushing, concentrating and cyaniding.

The machinery should include: a one-stamp mill, one or more half size concentrating tables, a few small hydraulic sizers, a vanner, screens, riffles, and a crushing outfit adequate for handling ore in 100 pound lots or more.

In this connection it is interesting to note that the University of Idaho recently set apart a building for their mining department, and upon investigating the prices on the machinery necessary to equip it, were agreeably surprised to find that most of the manufacturing companies were quite willing to furnish the machines without cost for the advertising it gave them. While in others the price quoted was merely nominal. From this it would seem that about the only expense required for a good plant is provision for building and floor space. Above all, quarters should be provided for assaying, that are large enough and furnished with such degree of completeness that assaying need not be done on a kindergarten scale. They should be such, too, that more than one student could work without interruptions and delays. The bargain counter rushes for the use of furnace and balance which characterize the present condition of affairs is not conducive to thorough work. The experience of those of us who have labored under the handicap imposed by insufficient equipment and suffered the disappointment