

MINING REAL MINES IN THE OAC EXHIBIT

School of Mines at the College Shows How the Actual Mines Work

Gold recovery from Oregon placer mines and from both free and base metal-bearing ores is portrayed in the Oregon Agricultural college exhibit at the state fair this week.

Gold bearing gravel banks are excavated by water, which through against the bottom of the bank, undercuts it so that it caves and is washed away by the spent water from the jet.

In this model, the powerful jet of hydraulic water issuing from the larger nozzle of the "monitor" or "giant" is only a little jet 1-16 of an inch in diameter.

The mill for treating gold ores is in many respects a full operating model plant. After the rough crushing of the ore in a breaker outside of the exhibit, the finely crushed ore is fed by a mechanical feeder into a five-stamp battery, where the stamps crush the ore and splash it through a battery screen of 20 mesh opening.

Whatever free gold is carried over the surface of this amalgamated copper plate is likely to be caught and amalgamated into the prepared surface, while the

The escape of the sediment down the open apex of the cone is opposed by a stream of clear water which exerts slight pressure and flows upward into the cone through the open apex.

On the upper surface of this Wilfley table, which is shaking backwards and forwards in the direction of its greatest length, the heavy materials settle in a layer above the heavy material.

The overflow of the glass conical classifier also contains finely divided particles of valuable base metal sulphides, and fine particles of gangue and worthless slime.

To save the valuable portion out of this, the overflow of the classifier is passed into a flotation cell. In this cell, by means of agitators, the material is mixed with a combination of pipe oil and hardwood creosote oil, and by means of rapid agitation the valuable sulphide particles, and, in spite of their greater specific gravity, cause them to float up to the top surface of the flotation cell, when they are discharged as scum or froth concentrates.

COMMISSIONERS COURT

The following is the official publication of the record of claims before the Marion county commissioners court for the Sept. term, 1925, will the amount allowed, bills continued, etc., according to the records in the office of the county clerk.

ROADS AND HIGHWAYS

Table listing road and highway projects with names and amounts. Includes entries for Road District No. 1 through No. 38, listing various contractors and their respective costs.

Table listing various contractors and their work items with associated costs. Includes entries for Bates, Albert, grading; Bloom, D. C., plowing; Jones, O. M., shoveling; and many others.

Table listing various contractors and their work items with associated costs. Includes entries for Rowland, E., shoveling; Smith, F. A., night watchman; and many others.

Table listing various contractors and their work items with associated costs. Includes entries for Wood, and A. C., crusher; Wells, B. D., hauling water; and many others.