

Exact figures are not-obtainable, but figures secured by special request from the quarterly reports of the mining inspectors to the Gold Commissioner show that the Bonanza District, which includes Bonanza and Eldorado Creeks and all their rich hills and gulches, lead the others in the number of steam plants used, claims operated and men employed. The Hunker District, including Gold Bottom, Last Chance, and all the tributaries, is second; Dominion is a good third; Gold Run fourth; and Sulphur fifth. After these come the more distant mining districts of Stewart, Clear, Forty Mile, Hootalinqua and Eureka, each ranking in the order given.

The total number of men engaged in all these mining districts last winter was 6,200, working on 1,380 claims. A total of 598 steam plants were then at work.

During the months of April, May and June, which may be said to constitute the most active season of the year because of the clean-up when the winter dumps are washed, the five largest districts alone had as many men engaged in mining as all in the country combined during the winter, while at the same time 140 fewer claims were operated.

While all these figures, gathered from reports, are not exhaustive, complete, nor satisfying in respect to showing how many men are pursuing mining and prospecting in the Yukon, they are an aid in the way of gathering the relative strength of the districts included, and of getting some idea of the number of steam plants engaged in each locality at different seasons of the year. During the summer, scores, if not hundreds, of new plants have been installed, and several new streams have come to the front, none of which is included in this review. No doubt they will take prominent parts in future reports. Duncan, on the Stewart, for instance, had but a handful of men last winter, but this winter will have from 400 to 500. Boucher, discovered only last July, has perhaps 100 men.

Men and plants engaged and claims operated in the different districts, as covered by the two last quarterly reports, now complete, are shown in statistical form as follows, the first table being for January, February and March:—

District.	Number of Men.	Claims Operated.	Steam Plants
Hunker.....	1,195	296	99
Bonanza.....	1,840	475	287
Gold Run.....	485	104	46
Dominion.....	825	215	114
Sulphur.....	245	94	42
Stewart.....	266	78	None
Clear Creek.....	215	33	3
Forty Mile.....	95	52	2
Hootalinqua.....	65	15	2
Eureka.....	35	19	3
Totals.....	6,166	1,381	598
For April, May and June:			
Bonanza.....	3,025	495	326
Hunker.....	1,495	335	148
Dominion.....	900	265	140
Gold Run.....	515	88	49
Sulphur.....	185	74	37
Totals.....	6,120	1,257	700

RECENT PATENTS OF MINING APPLIANCES

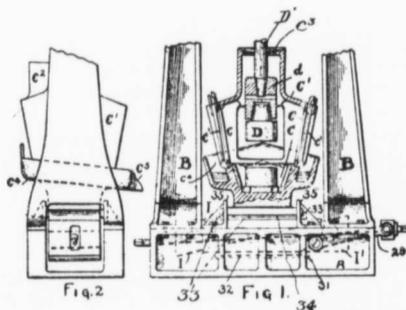
MR. ROWLAND BRITAIN, patent attorney, Vancouver, kindly sends us the following report, as being representative of the most recent improvements in the work of ore recovery and reduction:

Stamp mill, No. 76,957, C. E. Billin, Chicago.—

1. In a stamp mill, the combination with a frame, a stamp and mortar carrying a die, means to adjust the mortar comprising faced wedge blocks having a right and left screw rod, and connections between the frame and rod.

2. In a stamp mill the combination with a frame, a reciprocating stamp, a mortar having a die, a wedge supporting the mortar, means to operate the wedge to adjust the mortar, and links connecting the wedge and frame to centre the former in the latter.

3. In a stamp mill, the combination with a frame, a stamp reciprocating therein, a mortar carrying a die in alignment with the stamp, a wedge supporting the mortar and comprising a pair of blocks having



oppositely inclined contacting faces, a tapped rod pivoted in each block, a reversely threaded screw rod engaging the tapped rods, and a pair of links pivoted to the frame and connected to a screw rod.

Treatment of telluride gold ores, U. S. No. 709,037, W. Pethybridge, London England:—

1. A process for the decomposition of ores containing telluride of gold, consisting in reducing the ore to a finely divided state then exposing it to the action of a solution of ferric chloride of a specific density of about 1.18 and containing the treatment until the tellurium is in solution.

2. In the decomposition of ores containing telluride of gold, the process of reducing the ore to a finely divided state and then exposing it to the action of a solution of ferric chloride alone to attack the tellurium.

3. In the decomposition of ores containing telluride of gold, the process of reducing the ore to a finely divided state and then exposing it to the action of a heated and agitated solution of ferric chloride alone to attack the tellurium.

4. In the decomposition of ores containing telluride of gold together with iron, the process of reducing