



VARNEY'S PATENT AMALGAMATOR

OPERATES AS FOLLOWS:

The pan being filled the motion of the muller forces the pulp to the center, where it is drawn down through the aperture and between the grinding surfaces. Thence it is thrown to the periphery into the quicksilver. The curved plates again draw it to the center where it passes down and to the circumference as before. Thus is it constantly passing in a regular flow between the grinding surfaces and into the quicksilver until the ore is reduced to an impalpable powder, and the metal is amalgamated.