CLAIMS

1. A metal powder producing apparatus comprising:

a spray tank; and

a plurality of spray nozzles that sprays a molten metal into the spray tank, wherein

the plurality of spray nozzles each have

a molten metal nozzle allowing the molten metal to flow down into the spray tank, and

a gas jet nozzle having a plurality of jet holes that are disposed in a periphery of the molten metal nozzle and jet a gas to the molten metal flowing down from the molten metal nozzle,

each of center axes of the plurality of jet holes is deviated to either one of left side and right side relative to a center axis of the molten metal nozzle, and

each of the center axes of the plurality of jet holes and the center axis of the molten metal nozzle are located at skew positions and don't intersect each other,

each of the center axes of the plurality of jet holes also doesn't intersect each other.

2. The metal powder producing apparatus according to claim 1, wherein

a direction of deviation of each of the center axes of the plurality of jet holes with respect to the center axis of the molten metal nozzle is determined by whether each of the center axes of the plurality of jet holes is located to a left side or a right side of a reference line set for each of the plurality of jet holes, the reference line being a straight line connecting a center of an opening end of each of the plurality of jet holes and the center axis of the molten metal nozzle, and

the direction of deviation is a same for all the plurality of spray nozzles.

3. The metal powder producing apparatus according to claim 1, wherein

a direction of deviation of each of the center axes of the plurality of jet holes with respect to the center axis of the molten metal nozzle is determined by whether each of the center axes of the plurality of jet holes is located to a left side or a right side of a reference line set for each of the plurality of jet holes, the reference line being a straight line connecting a center of an opening end of each of the plurality of jet holes and the center axis of the molten metal nozzle, and

the direction of deviation is deviated relative to the center axis of the molten metal nozzle is different each other for each of two adjacent spray nozzles of the plurality of spray nozzles.

4. The metal powder producing apparatus according to claim 1, wherein

the plurality of spray nozzles are three or more spray nozzles, and

distances between center axes of two adjacent spray nozzles of the plurality of spray nozzles are equal.

5. A gas jet device for a metal powder producing apparatus, comprising:

a molten metal nozzle insertion hole into which a molten metal nozzle allowing a molten metal to flow down therethrough is inserted;

a gas flow channel that forms a gas flow in a periphery of the molten metal nozzle insertion hole; and

a gas jet nozzle that jets a gas in the gas flow channel toward an outer side of the gas jet device relative

to an opening end of the molten metal nozzle insertion hole, wherein

the gas jet nozzle includes a plurality of jet holes formed in a bottom surface of the gas jet device and in the periphery of the opening end of the molten metal nozzle insertion hole,

each of center axes of the plurality of jet holes is deviated to either one of left side and right side relative to a center axis of the molten metal nozzle insertion hole,

each of the center axes of the plurality of jet holes and the center axis of the molten metal nozzle insertion hole are located at skew positions and don't intersect each other,

each of the center axes of the plurality of jet holes also doesn't intersect each other, and

a plurality of the molten metal nozzle insertion holes and a plurality of the gas jet nozzles are provided.