

Abstract

To provide an electric precipitator which can collect more reliably dusty foreign matter emitted during material processing such as stamping process utilizing an electrostatic force, has excellent installability, and can be used safely. Provided is an electric precipitator that collects dusty foreign matter by an electrostatic force, including: a laminated sheet at least including a dust collection layer that holds the dusty foreign matter in contact, a first electrode layer, a second electrode layer, and an insulation layer, the dust collection layer, the first electrode layer, the second electrode layer, and the insulation layer being laminated; and a power supply device that applies voltages across the first and second electrode layers. The insulation layer at least has a first insulation layer that insulates the dust collection layer and the first electrode layer, a second insulation layer that insulates the first electrode layer and the second electrode layer, and a third insulation layer that insulates the second electrode layer and a portion under the second electrode layer. Films having a surface resistivity of 10^4 to 10^8 Ω are used for the first and second electrode layers.