WHAT IS CLAIMED IS:

1. A manufacturing apparatus for manufacturing a fixing member, comprising:

a metal mold capable of holding a base material of the fixing member in an inside thereof; and

an injecting member including a group of openings configured to inject a liquid rubber containing a needle-shaped filler into the metal mold in which the base material is held,

wherein the injecting member is configured so that a ratio of a total perimeter of the group of openings to a sum of a perimeter of an inner surface of the metal mold and an outer surface of the base material is from 1.3 to 3.3.

2. The manufacturing apparatus according to claim 1, wherein the injecting member is connected to a lower portion of the metal mold with respect to a direction of gravity.

3. The manufacturing apparatus according to claim 1, further comprising a heating device configured to heat the metal mold to cure the liquid rubber in the metal mold.

4. The manufacturing apparatus according to claim 1, further comprising a device configured to form a layer of a fluorine-containing resin material on an outer peripheral surface of a cured rubber taken out of the metal mold.

5. The manufacturing apparatus according to claim 1, further comprising a holding device configured to hold a fluorine-containing resin tube on the inner surface of the metal mold,

wherein the liquid rubber in injected between an inner surface of the fluorine-containing resin tube and the outer surface of the base material.

6. The manufacturing apparatus according to claim 5, further comprising a heating device configured to heat the metal mold to cure the liquid rubber in the metal mold.

7. The manufacturing apparatus according to claim 1, further comprising a discharging member, connected to the metal mold, configured to permit discharge of air from the metal mold with injection of the liquid rubber.