

AUTOMATIC CLEANING APPARATUS FOR GUN BARREL

ABSTRACT

Disclosed herein is an automatic cleaning apparatus for a gun barrel which includes cleaning means joined to a cylindrical body moving back and forth to the inside and the outside of the gun barrel by a transferring roller interlocking with a motor so as to clean the inside of the gun barrel, wherein the cleaning means includes: a cylindrical tube having a plurality of insertion holes formed along the circumference thereof; a rotary gear interlocking with the motor; and cleaning members each of which includes a rotary shaft inserted into the insertion hole and a bevel gear joined to the lower portion of the rotary shaft and interlocking with the rotary gear to rotate the cleaning member. The insertion hole includes a small hole having a cross sectional form which is a part of a circle corresponding to the cross section of the rotary shaft, and a large hole having a cross sectional form which is a part of a circle larger than the largest cross section of the lower part of the rotary shaft. A fixing member fixes the cleaning member by making the cleaning member come into contact with the small hole when the cleaning member is fixed and does not prevent that the cleaning member is separated to the outside of the cylindrical tube through the large hole when the fixed cleaning member is released.

REPRESENTATIVE DRAWING

Fig. 4