

June 2, 1970

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3,514,888

GUN BARREL OILING DEVICE

Filed April 29, 1968

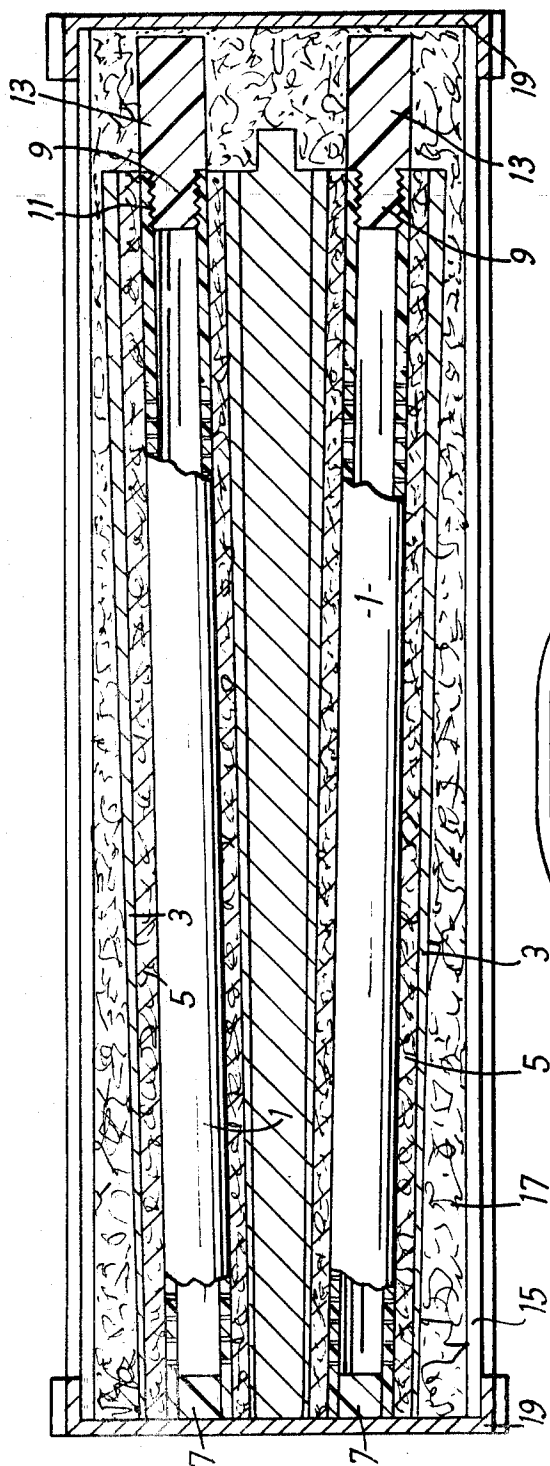


Fig. 1.

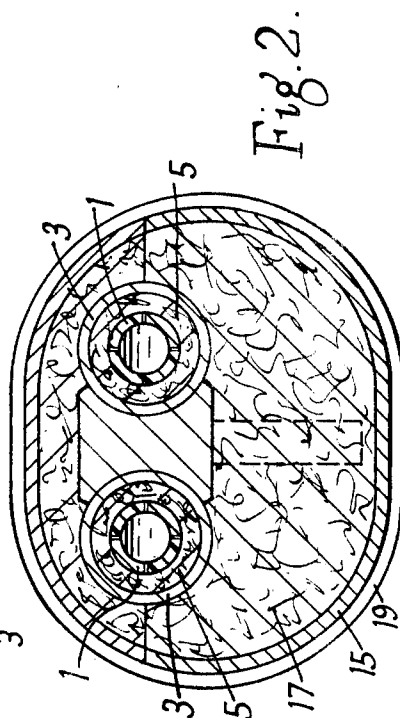


Fig. 2.

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3,514,888

## GUN BARREL OILING DEVICE

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Filed Apr. 29, 1968, Ser. No. 724,770

Claims priority, application Great Britain, May 5, 1967,

21,112/67

Int. Cl. F41c 31/02

U.S. Cl. 42—1

9 Claims

### ABSTRACT OF THE DISCLOSURE

A film of oil can be maintained over the entire surface of the bore of a gun barrel by means of a perforated tube, adapted to retain oil, the outside surface of which is covered with an oil-permeable material, which tube can be inserted into the barrel of the gun. Also provided is an imperforate casing the inside of which is covered with an oil-impregnated material, the material being shaped to contact the outer surface of a gun barrel when present inside the casing.

This invention relates to gun accessories for oiling the barrels of guns, such, for example, as shot guns.

After a gun has been cleaned it is normally desirable that the surfaces of the barrel should be coated with a protective film of oil; however it is difficult to ensure that a satisfactory film of thin oil is maintained over the entire surface of the bore of the barrel, while the use of thick oil or grease has many disadvantages. Moreover, the oil film on the outside of the barrel is liable to be accidentally wiped off.

The object of this invention is to provide a gun accessory which can be used for oiling a gun barrel and for maintaining a satisfactory coating of oil over the surface of the bore of the barrel.

According to the invention, a gun barrel oiling device comprises a perforated tube the outside surface of which is covered with an oil-permeable material, the tube being adapted to retain oil and the construction being such that the tube can be inserted into the barrel of a gun with the oil-permeable material in contact with the bore of the gun whereby oil within the tube can diffuse through the perforations and the oil-permeable material to maintain a coating of oil on the bore of the barrel.

The tube may be a flexible plastics tube and the oil-permeable material may be an oil-resistant porous plastics foam or a felt.

At least one end of the tube should preferably be closed by a plug or other removable closure, but one end may, if desired, be permanently closed.

In a preferred form of the invention the accessory defined above is used together with a second device comprising an imperforate casing or sheath the inside of which is covered with an oil-permeable material, and which can enclose a gun barrel, the oil-permeable material being shaped to contact the outer surface of the barrel. When the oil-permeable material is impregnated with oil, it will maintain a coating of oil on the outer surface of the barrel and also serve to protect the surface.

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If the casing is in the form of a tube, it may be slit longitudinally to facilitate pushing of the tube over the outside of the barrel, and this is essential in the case of a pair of such tubes to be used on a double-barrelled gun.

The casing or sheath may be split longitudinally to receive the barrel (or barrels) when the stock is removed. End caps may be employed to keep the halves of the casing together. By this means, when the gun is out of use, the barrel will be totally enclosed in a cover which is impregnated with gun oil.

The following is a description, by way of example only, of a preferred embodiment of the present invention.

Reference will be made to the accompanying drawings, in which:

FIG. 1 shows a longitudinal section through a gun accessory according to the present invention in use with the barrels of a double-barrelled gun, and

FIG. 2 shows a transverse section through the gun accessory and barrels of FIG. 1.

Referring to the drawings two perforated tubes 1, conveniently of a flexible plastics material, containing oil, are shown inserted into the barrels 3 of the gun. The oil diffuses through the perforations and permeates through a covering of oil-permeable material 5, which may be of a porous plastics material foam or a felt, around the tubes 1, to form a coating of oil on the bores of the barrels 3. One end of each of the tubes 1 is permanently closed by a plug 7, and the other end of each of the tubes is closed by a threaded plug 9 which engages in a thread 11 on the inside of the tube 1 and which can be removed for the purpose of re-filling the tubes 1 with oil. Knobs 13 are provided on the plugs 9 to facilitate the rotation and removal of the plugs 9.

The barrels 3 are enclosed in an imperforate casing 15 which may be of solid plastics material or of rigid plastics material foam having a continuous outer skin. The casing 15 is lined with oil-permeable material 17 into which the barrels 3 fit snugly. The oil-permeable material 17 is impregnated with oil which serves to maintain a coating of oil on the outer surfaces of the barrels 3. The casing 15 is split longitudinally to receive the barrels 3, and end caps 19 are provided which fit over the ends of the casing 15 and keep the halves of the casing 15 together.

What is claimed is:

1. A gun barrel oiling device which comprises a perforated tube, a covering of oil-permeable material on the outside surface of said tube, said tube retaining oil therein, and said tube being constructed for insertion into a gun barrel whereby oil within said tube can diffuse outwardly through the perforations of said tube and said oil-permeable material to maintain a coating of oil on the bore of the barrel.

2. A device according to claim 1, in which said tube is of a flexible plastics material.

3. A device according to claim 1, in which said oil-permeable material is of an oil-resistant porous plastics foam.

4. A device according to claim 1, in which at least one end of said tube is closed by a removable closure member.

5. A device according to claim 4, in which one end of said tube is permanently closed.

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6. A device according to claim 1, further comprising an imperforate casing, a covering of oil-permeable material on the inside of said casing shaped to contact the outer surface of the gun barrel when same is present inside said casing.

7. A device according to claim 6, in which said casing is in the form of a tube.

8. A device according to claim 7, in which said casing is split longitudinally.

9. A device according to claim 8, including end caps adapted to fit over the ends of said casing and to keep the halves of said casing together.

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