

UNITED STATES PATENT OFFICE.

F. L. M. DORVAULT, OF PARIS, FRANCE.

CAPSULE FOR PREVENTING THE SOILING OF FIRE-ARMS.

Specification forming part of Letters Patent No. 47,503, dated April 25, 1865.

To all whom it may concern:

Be it known that I, FRANÇOIS LAURENT MARIE DORVAULT, of Paris, in the Empire of France, chemist, have invented Capsules for Preventing the Soiling of Fire-Arms; and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention refers to capsules containing a fatty or other matter, which caps are intended to prevent, when added to the charge and being emptied by the impact, the soiling of fire-arms, rifled or not. The nature of the casing for such capsules, also the nature of the substance contained therein and their form, may vary according to the nature of fire-arms and various other circumstances, and therefore no drawing, no fixed composition thereof can be given. I will, however, as specimen, set forth a process for obtaining these caps. Take gelatine, four parts; gum, one part; sugar, one part; dissolve the whole in the hot state with a sufficient quantity of water, (six parts about,) dip into the viscous liquid thus obtained mandrels with lenticular-formed ends, take off, after proper cooling, the caps from over the mandrels, pare them away, fill them up with oil or grease, and close up. The method of proceeding in this case is

nearly the same as made use of for medicinal caps. In the same manner, to obtain these my caps I may not only make use of gummo-gelatinous admixtures and mandrels, but also of various other substances and mechanical or other punches, no matter what the means used may be, provided that the capsules be obtained. The nature of the casing and its contents may therefore vary according to circumstances and requirements. In fact, the former may be of any animal, vegetable, mineral, or even metallic substance, and be obtained by various processes; also the form and dimensions thereof may vary. The latter or the contents may be either a fatty or other substance, the chief purpose being to obtain such capsules as will prevent the soiling of fire-arms.

I claim—

The employment or use of self-discharging capsules, substantially such as herein described, in combination with fire-arms to prevent them from soiling, as set forth.

DORVAULT.

Witnesses:

P. BOI. DAVING,
JAMES H. MORTON.