

L. F. MAUNY.
PAPER PRIMER FOR TOY PISTOLS AND RIFLES.
APPLICATION FILED MAY 28, 1907.

934.740.

Patented Sept. 21, 1909.

Fig.1.



Fig.2.

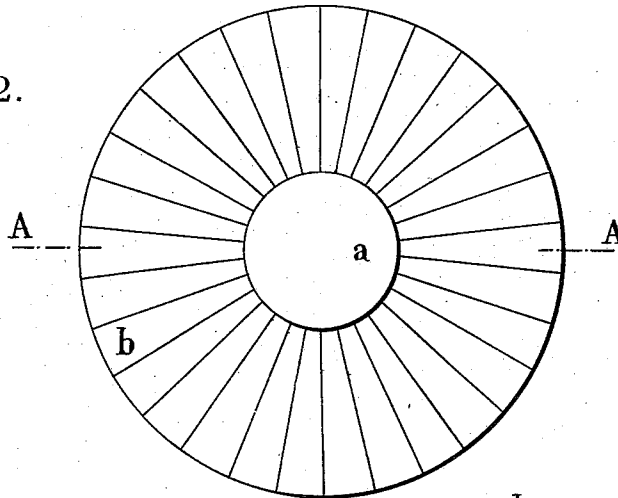


Fig.3.

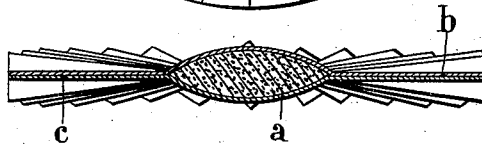


Fig.4.

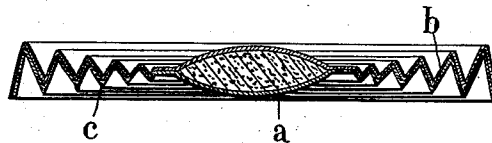
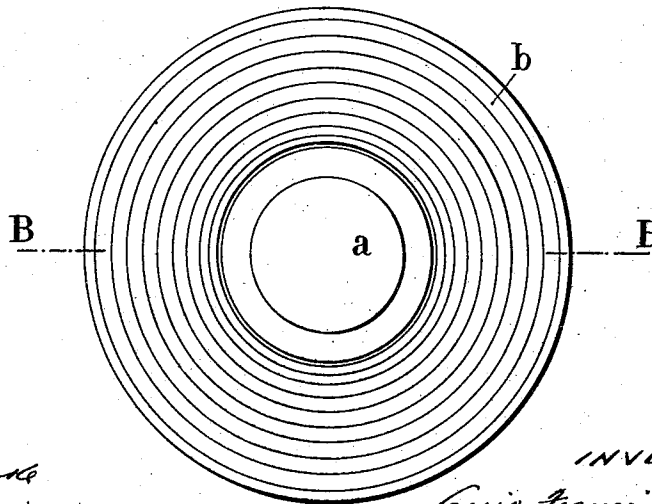


Fig.5.



WITNESSES

W. P. Burke
John A. Kewal

INVENTOR

Louis Francois Mauny
BY *[Signature]* 1774

UNITED STATES PATENT OFFICE.

LOUIS FRANÇOIS MAUNY, OF MONTROUGE, FRANCE.

PAPER PRIMER FOR TOY PISTOLS AND RIFLES.

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Specification of Letters Patent. Patented Sept. 21, 1909.

Application filed May 28, 1907. Serial No. 376,123.

To all whom it may concern:

Be it known that I, LOUIS FRANÇOIS MAUNY, of 11 Rue Lakanal, Montrouge, Seine, Republic of France, engineer, have invented a Paper Primer for Toy Pistols and Rifles, of which the following is a full, clear, and exact description.

It is known that primers for toy pistols and rifles are constituted by a small charge of explosive material placed between two washers of ordinary paper the edges of which are glued together. The primers thus arranged show several disadvantages. In fact these primers show in their center a swell formed by the explosive charge. It results therefrom that during transport, especially in hot countries, these primers rub upon one another, precisely at the point where the charge lies, which frequently causes the explosion of the boxes containing the primers to take place. Furthermore, it often happens that the two washers of paper disengage themselves during the transport of primers thereby causing the division of the latter into two parts. Finally, in wet countries or premises, the paper washers absorb moisture which rapidly puts the primers out of use.

This invention has for its purpose to prevent these disadvantages and relates to a paper primer for toy pistols and rifles, essentially characterized by: 1st, the arrangement of the paper washers between which the charge of explosive material is placed, these washers being plaited or corrugated according to radial plaits or circular concentric plaits: 2nd, the use for making and connecting washers of impermeabilized paper and impervious glue.

The invention is shown by way of example in the accompanying drawing in which:

Figure 1 shows in elevation a paper primer the edges of which are plaited according to radial plaits. Fig. 2 is a corresponding plan thereof. Fig. 3 is a vertical section made according to line A—A of Fig. 2. Fig. 4 is a vertical section on the line B—B of Fig. 5. Fig. 5 is a plan view of a paper primer the edges of which are plaited according to circular concentric plaits.

As shown in this drawing, the present primer comprises a charge of explosive material *a* placed between two washers of impermeabilized paper *b* and *c*. The edges of these washers are connected together by means of impervious glue and then plaited

either with radial plaits as shown in Figs. 1 to 3 of the drawing or with circular concentric plaits (Figs. 4 and 5). These plaits are so arranged that the edges of the washers will be slightly higher than the swell formed by the charge of explosive material.

The primers thus made possess following advantages: 1st. The washers *b* and *c* being of impermeabilized paper and their edges being connected by means of impervious glue, the primers can be preserved with the greatest facility in wet premises or countries. 2nd. The plaiting of the edges of the washers constitutes a packing cushion which deadens shocks and prevents the explosive charges from rubbing one against another. This arrangement affords a very great security during the transport and the handling of primers. 3rd. The mode of plaiting the edges of washers prevents the disconnection and the division into two parts of the primers; it also increases the resistance to cracking and consequently the noise of the explosion of the primer. Furthermore, the plaiting of the edges of the washers enables a single primer to be seized with the tips of the fingers without the danger of unwillingly taking several at a time as such is the case with all ordinary primers.

Of course, the primers made as hereinbefore described can be of varying sizes. The paper used in the manufacture of the primers can also be of any color and can receive any suitable ornamentation.

Claims:

1. A paper primer for toy pistols and rifles, comprising a pair of disks of impermeable paper having their edges united, a charge of explosive material held between said disk, the edges of the disks being provided with plaits, substantially as described.

2. A paper primer for toy pistols and rifles, comprising a pair of disks of impermeable paper having their edges united, a charge of explosive material held between said disk, the edges of the disks being provided with radial plaits, substantially as described.

The foregoing specification of my "paper primer for toy pistols and rifles" signed by me this 17th day of May 1907.

LOUIS FRANÇOIS MAUNY.

Witnesses:

H. A. COXE,
MAURICE H. PIGNET.