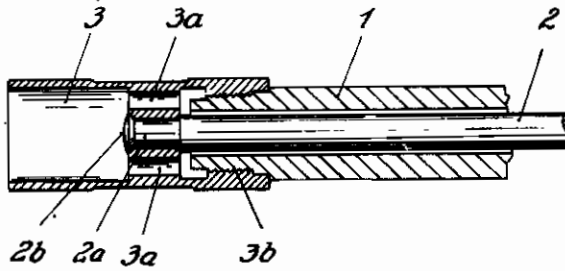


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DEVICE FOR CONTROLLING THE GAS PRESSURE
IN AUTOMATIC BLANK CARTRIDGE FIRING IN
AUTOMATIC GUNS
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ALIEN PROPERTY CUSTODIAN

DEVICE FOR CONTROLLING THE GAS PRESSURE IN AUTOMATIC BLANK CARTRIDGE FIRING IN AUTOMATIC GUNS

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The invention relates to automatic guns and particularly to a device for controlling the gas pressure in automatic blank cartridge firing with such automatic guns.

It is an object of the present invention to provide a device or an arrangement of this kind which is simple in construction and able to offer resistance in use and which may be easily manipulated especially for cleaning purposes.

The invention consists therein that the gas throttling is effected by means of a loosely fitting core-bar or stem adapted to be inserted into the barrel of the gun and having a smaller diameter than the bore of the said barrel.

It is a further object of the invention to provide a loosely fitting core-bar or stem which extends substantially over the entire length of the barrel of the gun.

A further object of the invention is to provide a fitting core-bar or stem which is rigidly connected with a silencer-funnel in such a manner that both parts form a practical unit for use. The means for securing the said unity to the automatic gun as for instance a screw thread are arranged preferably on the said silencer-funnel.

In the preferred form of the present invention the fitting core-bar or stem and the silencer-funnel are rigidly connected by riveting a reduced end of the core-bar to the bottom portion of the silencer-funnel.

To these ends my invention consists in the novel construction and arrangement of parts to attain the ends above specified and in the details of construction and mechanism for other purposes, as will hereinafter more fully appear and which are defined in the claims at the end of this specification.

My invention in its preferred form of approximately such form is illustrated in the accompanying drawing, in which

Figure 1 is a central longitudinal section of a portion of an automatic gun constructed in accordance with the present invention, only so much of the barrel being shown as is necessary for the purpose of explanation.

In the drawing 1 designates the front part of the barrel of an automatic gun and 2 a loosely fitting core-bar or stem inserted into the bore of the barrel and having a little smaller diameter than the bore of the barrel. On the muzzle of the gun is fixed by means of screw thread 3b a silencer-funnel 3 provided with the gas channels 3a and secured to the front end of the fitting core-bar 2 so that both parts viz. the fitting core-bar 2 and the silencer-funnel 3 form a unity. In the example shown the front end 2a of the fitting core-bar or stem projecting from the muzzle of the gun is reduced or stepped and riveted to the bottom portion of the silencer-funnel as indicated at 2b. Instead of the use of a screw thread other suitable means may be used for connecting the silencer-funnel with the muzzle of the barrel as for instance a bayonet-catch or the like.

If in operation an automatic gun arranged for loaded or bulleted cartridge firing is to invert into an automatic gun arranged for blank cartridge firing i.e. with the usual and known cartridges without bullets of wood, it is only necessary to insert the fitting core-bar 2 provided with the silencer-funnel 3 into the barrel of the automatic gun and to screw up the silencer funnel 3 with its screw thread upon the screw thread on the front end of the barrel.

It is obvious that the device according to the present invention is simple in its construction and cheaply to manufacture and permits an easy and quick changing of an automatic gun from one kind of firing to another one.

A further advantage of the device according to the present invention consists in its high capacity of resistance and in the convenient possibility for cleaning.

It will be understood that I do not limit myself to the details of construction above set forth, but, on the contrary, that many modifications may be made within the broad scope of my invention.

HUGO SCHMEISSER.