

**Wide Variety of Ideas Covered  
By Patents Issued During Week**

...es, Atlan-  
California East-  
on (now Dynalec-  
orporation), and the  
ines War Training Insti-  
tute.

**Quiet Firearm**

Five inventors have de-  
vised what they call a  
"quiet round," a weapon de-

**Continued on Page 43, Column 3**

scribed as painless, recoilless,  
accurate and virtually noise-  
less. They regard it as one of  
the greatest advances in the  
history of firearm improve-  
ments.

The invention grew out of  
military research by M. B.  
Associates of San Ramon,  
Calif., owner of Patent  
3,344,711, issued this week.  
The patentees are Robert  
Mainhardt, president of the  
company, and four coinven-  
tors.

The Government has rights  
under the patent, which was  
recently released from se-  
crecy. The document is silent  
on any use in warfare, but  
asserts that the quiet round  
is effective in drugging ani-  
mals without alarming others.

The Lance-Jet projectile is  
less than an inch long and  
extremely thin—about three  
mils, or thousandths of an  
inch, in diameter.

Made of powdered metal  
and a soluble binder, the  
projectile need not be ex-  
tracted but will dissolve in  
the animal's body. Before  
being fired, it can be dipped  
in the drug. As it does not  
spin like an ordinary bullet,  
but is stabilized by its jave-  
lin shape, the chemical is not  
thrown off.

A working model was  
made by inserting a launch-

ing tube into an unrifled .22-  
caliber barrel and adding a  
silencer. The hammer, trig-  
ger and bolt made more  
noise than detonation of the  
cartridge. The patent says  
these can be silenced with  
rubber pads, or electric ig-  
nition can be substituted.

The projectile is described  
as so tiny and as hitting so  
quickly that it strikes below  
the threshold of pain. An  
accidental wound incurred  
during development was very  
superficial and almost un-  
noticeable.

A number of devices in-  
vented by M. B. Associates  
were shown in the spy  
movie, "You Only Live  
Twice."

**Mermaid Suit**

A Brooklyn woman has in-  
vented a suit designed  
to convert a female swimmer  
into a mermaid.

Mrs. Chloe Grillo, a  
professional pianist, was  
granted Patent 3,344,449  
for her garment. Her garment covers  
her torso and legs from  
down, with  
flippers, c

The in-  
eral of  
mer-  
dis-