

**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-

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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 is a
professional pianist, with
Patent 3,344,449.
Her garment covers her
and legs from the waist
down, with a skirt-like
flippers, and a tail.

The in-
ventor
eral of
mer-
dis-