

June 8, 1965

C. W. LAMBERT

3,187,630

MISSILE HOLDER

Filed Nov. 2, 1964

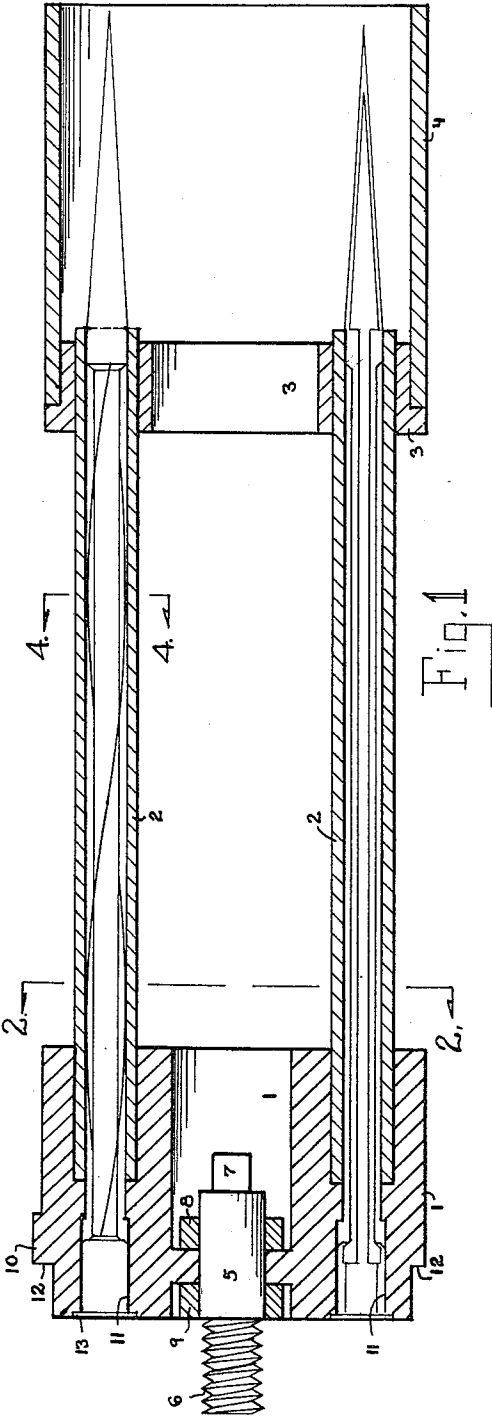


Fig. 1

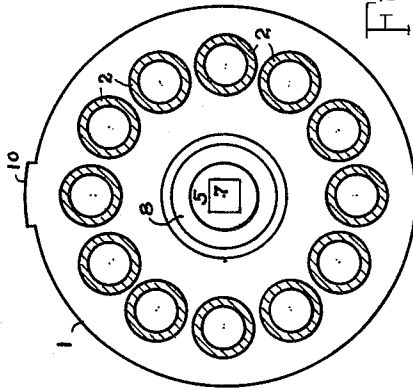


Fig. 2

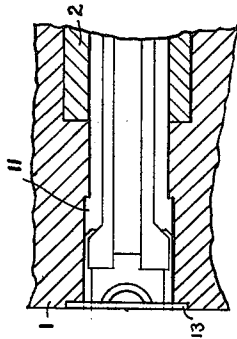


Fig. 3

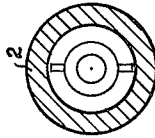


Fig. 4

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MISSILE HOLDER

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Filed Nov. 2, 1964, Ser. No. 408,115

1 Claim. (Cl. 89-1)

The invention relates to multiple missile guides secured together in a holding pressure ring in spaced circular parallel relationship and means for positioning and securing the pressure ring in a missile gun receiver and means for protecting the missiles in the holder when in normal transport and operation of the gun.

In particular, the missile holder shown and described is intended for use with the "Missile Gun with Rotatable Hammer," of application Serial Number 343,765 filed February 10, 1964, now U.S. Patent No. 3,161,976.

The missile holder may be any length or size just so that it accommodates the missiles to be used and fits the gun for which it is intended.

In the drawing, FIG. 1 is a longitudinal cross section of the missile holder showing the pressure ring, the holding pin, the tubes secured into the pressure ring coaxially to spaced firing chambers, the forward tube ring secured to the missile tubes and the protective guard secured to the forward ring.

FIG. 2 is a transverse cross section along the line 2-2 of FIG. 1, showing the spaced missile tubes encircling the center pin.

FIG. 3, at a larger scale, shows the rear end of a tube secured within a portion of the pressure ring and in line with a firing chamber of the pressure ring. The chamber is deep enough to allow the crimped forward end of the missile cartridge to straighten out. The rear end of the chamber is recessed to allow the flange of the missile cartridge to lie flush with the rear face of the pressure ring.

FIG. 4 is a cross section of a tube along the line 4-4 of FIG. 1.

In all figures of the drawing, the same parts are numbered the same.

1 is the pressure ring which fits within the gun receiver, FIGS. 1-2-3.

2-2-2 are the spaced missile tubes secured into pressure ring 1, FIGS. 1-2-3.

3 is the forward ring which is secured to the tubes 2-2, FIG. 1.

4 is the cylindrical missile guard secured to the forward ring 3 and surrounding the missile heads, FIG. 1.

5 is the threaded pin which secures the missile holder in the gun receiver, FIGS. 1-2.

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6 is the threaded end of pin 5, FIG. 1.

7 is the shaped head of pin 5, FIGS. 1-2.

8 and 9 are collars secured to pin 5, FIG. 1.

10 is a projecting positioning lug on pressure ring 1 which fits into a slot in the gun receiver. Lug 10 holds the tubes 2-2 and firing chambers 11-11 in line with the spaced firing pins of the missile gun. Lug 10 appears in FIGS. 1-2.

11-11 are firing chambers in pressure ring 1 into which the missile cartridges fit, FIGS. 1-3.

12 is a circular shoulder on the pressure ring 1 which fits against a recoil ring within the gun receiver, FIG. 1.

13 is a circular recess in the firing chamber 11 into which fits the flange of the missile cartridge, FIGS. 1-3.

The missiles and their attached cartridges are inserted into the missile holder through the firing chamber from the rear.

I claim:

In a missile holder, the combination of, a cylindrical pressure ring; spaced firing chambers arranged in a circle around the center of said pressure ring; spaced missile tubes secured into said pressure ring coaxially to said firing chambers and connecting to said firing chambers; means for securing said pressure ring into the receiver of a missile gun; a projecting positioning lug secured to said pressure ring and fitting into a slot in a gun receiver and holding said firing chambers in line with firing pins in a gun; a forward ring secured to said missile tubes; and a cylindrical guard secured to said forward ring, said guard surrounding and protecting the heads of missiles in said tubes, a circular shoulder on said pressure ring fitting against a recoil ring within the receiver of a missile gun; a threaded holding pin rotatably secured in the center of said pressure ring with the threaded end of said pin extending rearwardly; collars secured to said pin, said collars drawing said missile holder into a gun receiver when said pin is rotated in one direction and loosening said holder when said pin is rotated in the opposite direction; and a projecting end of said pin fitting a manually operated wrench.

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