

THE MARINE CORPS ENLIGHTENED M1 HAMMER

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A technical analysis to explode the myth of any advantageousness- by A. H. Tuttle

EASIER COCKING? (manual)

Certainly not preceivable by the shooter- unless he can identify the presence of a trigger-group with enlightened hammer- randomly installed in different guns of a group of rifles.

EASIER COCKING? (operative)

The M1 has a semi-automatic action- often a misconstrued term. Theoretically the gun is only 2% "semi"- (the shooter manualing off each shot) The action of the ejecting/loading cycle is in effect, fully automatic.- Which brings us to: Easier cocking? Sorry- you will have to ask the rifle- as this sequence occurs during the fully automatic cycle. The bolt cocks the hammer on a "gain-cam" principal- so a few grains of "removed weight" (drilled hammer) would have an infinitesimal inertia difference, definitely a matter of kinematics.

FASTER HAMMER FALL?

Please refer to: "The M1 Hammer"- letter of OCT.1982, page 2 .. Lock time is from hammer release to firing pin depth strike, which is $\frac{6}{8}$ depending upon hammer-spring length. (SECOND).0057

IMPROVEMENT IN ACCURACY?

You can tell your highest General- that "lock-time" does not have a damn thing to do with rifle accuracy. Accuracy- is an inherent resulting product of parts quality level and construction; mainly, barrel quality and nature of bedding the action.

"lock time"- to the rifle- is meaningless. Put a gun in a secure targetting mount; lanyard the trigger and sear-off.... The hammer-fall or firing-pin travel could be over the course of a second, or an hour- or 8 hours. And when the gun does fire- the ACCURACY will register on the target.

"Lock time" is for the SHOOTER-- the faster the hammer-fall or firing-pin travel, the less "stray" from the split second the shooter assumed his aim. Fast "lock-time" favors the poorer or wavering shooter; as the professional or experienced marksman "holds" longer on his desired point of aim.

JOHN GARAND EXPONDED THIS FEATURE WITH HIS WHIP-LASH GAIN-FLIGHT HAMMER
The time of (M1) hammer release to firing-pin strike has NOTHING to do with accuracy of the GUN..... merely an aide to the shooter- (as is trigger-pull) outlined next.

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