



SHOOTERS DEN

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NATIONAL MATCH ARMORER - NRA BENEFACTOR MEMBER - USAF DISTINGUISHED RIFLEMAN #214

September 1, 2015

GunWorks of LA, Inc.
8735 Bellingraph Rd.
Theodore, AL 36582

Attn: William Mozingo
Charles Sporck, Jr.

Ref: GW receiver No. TEB1

Gentleman:

Please find the enclosed GW M14 receiver which I am returning for heat treat and finish. I have completed the evaluation of this receiver and my report follows.

The receiver arrived via Fed Ex at 1145 August 31, 2015. I found it has a very nice appearance with minimal machining marks. Areas previously noted on receiver No. 48 as rough have been corrected. I noted that some areas which don't show and don't necessarily require fine finish do exhibit some machining marks. Some school of thought suggests that machining marks are simply proof that the receiver is not cast, but fully machined.

I noted that the receiver is in the white and has not been heat treated or final finish applied. It's possible that some tolerances may be altered during heat treat.

Rear sight elevation detents are clean and sharp. Windage detents on this receiver are in one minute clicks as requested. Optional half minute detents should be a good selling point for those seeking to build match grade rifles since original National Match half minute sights are getting difficult to get. I noted you included a hole for a ball detent system for those who prefer this approach for a NM sight. A GI National Match rear sight was fitted without any issues.

The option of custom heal markings should be a good selling point. Most manufacturers are not offering things like special serial numbers or other markings. The M14NM marking and special serial number on this receiver are appreciated.

Several GI and commercial bolts were tried in this receiver. Not all commercial bolts would rotate to a locked position. All GI bolts dropped right in. Even so, a small gap is apparent between the recoil shoulder and the left bolt lug on all bolts tried. This s a very small gap, less than .001" that can easily be eliminated by lapping. This same condition has been noted on most other commercial receivers. I also noted that the top corner of the right recoil shoulder, where the bolt lug rolls down, is not formed according to the specifications. It appears to be rounded straight across, perpendicular to the center line of the bore. The drawing indicates this radius should diminish to the inside of the rail. I'm not sure if this will have any adverse effect on functioning or wear, but I would suggest a closer look.

GI and commercial barrels were hand fitted and indexed hand tight within proper specifications. Head space was checked using a used TRW bolt. All commercial barrels with short chambers can be fitted without problems. A couple of chrome lined barrels with finished chambers appeared to be long on head space while GI barrels with finished chambers were okay. This may indicate that I have a couple of barrels with chambers too long rather than a receiver problem.

Several clip guides were tried and all fit slightly loose in the dove tail. This isn't a serious problem, but should be looked into. Installing clip guides that are too tight can result in a damaged receiver, so better too loose than too tight.

This receiver does not have any issues with magazine lock up. New CMI magazines locked in place without problems when the receiver and a new HR-N trigger group was installed in a test stock.

Measurements were made using a surface plate, height gage, and other measuring instruments. All tolerances checked were found to be within government drawing specifications.

Overall, this receiver compares favorably with other high quality forged receivers on the market at this time.

I want to thank Gun Works of LA for this opportunity to evaluate this receiver and confirm that the issues previously noted have been corrected satisfactorily. I look forward to building new M14 rifles on Gun Works receivers and having another fine product to recommend to my customers.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ted Brown', with a long horizontal flourish extending to the right.

Ted Brown