

CONFIDENTIAL

DAILY PROGRESS REPORT
(Important Information)

Date 10/28/47

SUBJECT M/721 Sight Ramp Test

Five M/721 rifles were accuracy fired with results as follows:

Before Sight Ramp was brazed on Barrels:

<u>Gun No.</u>	<u>Extreme Spread</u>
1	2.12"
2	2.58
3	2.27
4	2.07
5	2.01
Average	2.21"

After Sight Ramp was brazed on Barrels of the above guns:

<u>Gun No.</u>	<u>Extreme Spread</u>
1	4.03"
2	3.24
3	4.14
4	3.18
5	3.22
Average	3.56"

Increase in Extreme Spread through brazing of Sight Ramp - 62%.

From these results, it is possible to increase the accuracy of the M/721 by 48% if a method of sight fastening is used which has no effect on the barrel accuracy.

It is recommended that the three methods listed below be investigated as possibilities for changing the method of front sight fastening -

1. Mechanical fastening of barrel band type sight
2. Soldering
3. Projection Welding

Conditions of Test

Shooters: W. H. Walter
W. E. Look

Scope: 23 and 15 Power

Range: 100 yards

Bench Rest

Two 10-shot groups per gun per shooter

Accuracy standard of ammunition - 1" E.S. at 100 yards.

W. E. Look
Test Engineer

WEL:MP