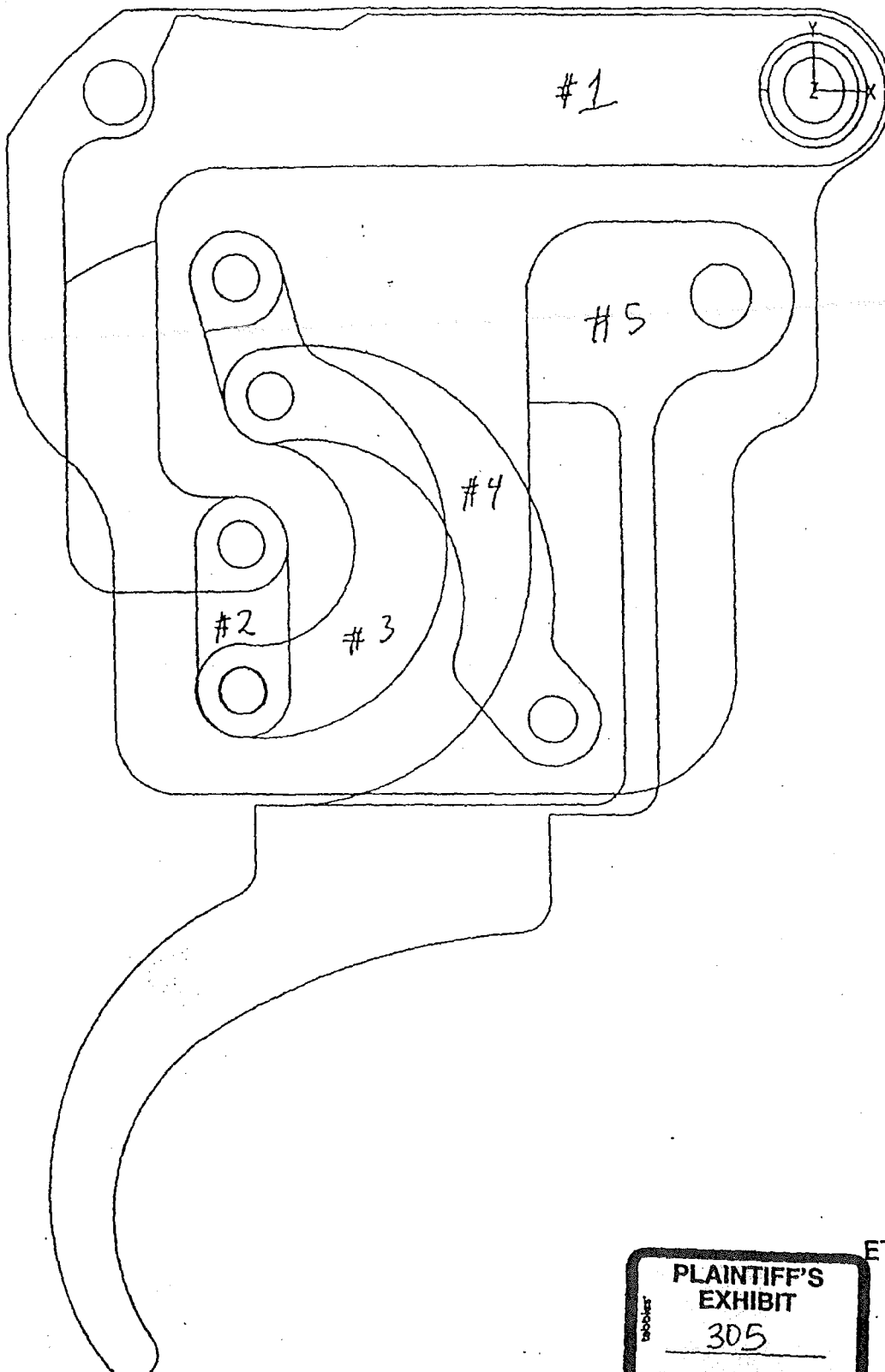




PLAINTIFF'S
EXHIBIT
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Safeties :

3 position Bolt safety :

The standard three position bolt safety lends itself to the GBFC very well. The only downfall is the current three position safety does nothing to address FSR.

It has been conceived that the three position safety can be modified to insure the sear is in contact with the Firing pin head before the safety can be released.

If this concept is proven it is probably patentable and eliminates the possibility of FSR.

Two position safety resembling current Model 700

This safety is unique to the GBFC in the fact that it is not a sear block, nor is it a trigger block. This safety blocks a link in the fire control which is known as the green bar. Blocking this link insures the sear and trigger are returned and eliminates the possibility of FSR.

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22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



What I want to make the GBFC to work the best.

1) change the Firing Pin Head - Sear interface to 45%

Advantages: 1) crisper trigger pull

2) decrease in trigger's dead zone

3) less drop sensitive

2)

2) put in a heavier Firing Pin Spring

Advantages: 1) crisper trigger pull

2) decrease in trigger's dead zone

3) decrease in lock time

4) One more piece in the upgrade

Kit i.e. more money for Rem

5) less drop sensitive

3) lighter firing pin

Features of the GBFC

1) completely retrofitable

2) can be configured with a three position bolt safety or one similar to the current Model 700 safety.

3) Trigger pulls as low as 1.5 lbs and theoretically still pass the drop tests.

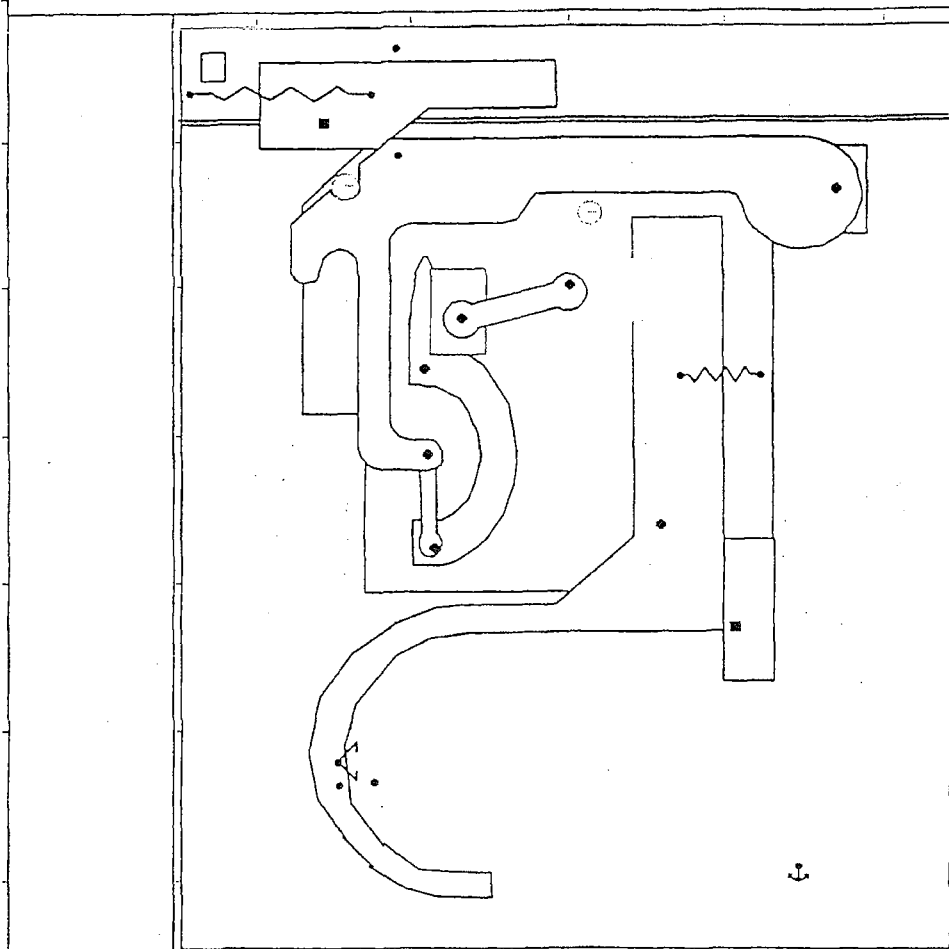
4) addressed the issues of FSR and trigger return.

5) Trigger pull required to fire a M700 can be set from .005 to .02 inches.

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Fire Pin Spring Constant	Fire Pin Rest Length
22.00	1.58
Trigger Spring Constant (lb/in)	Trigger Rest Length (in)
6.00	0.50
Trigger Force (lb)	Trigger Force Angle
2.00	180.00
Sear Displacement Dist 2.871e-04 Trigger Displacement Dist 5.436e-04	
Sear Rotation rot 0.009 °	Green Rotation rot 1.051 °
Sear-Green Rotation rot 2.375 °	Green-Trigg Rotation rot 104.893 °
Trigger rotation rot 0.212 °	



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