## RESULTS OF FEA

FEA was performed on the current and modified Model 700 desigfis, lueach analysis, the trigger model was constrained with a rotational cosstaint at the pise and a constraint on movement at the area where the trigger contacts the oestravel screw tip. The model was loaded with a 20 pound load spread over a line getoss the centefof the trigger bow.

Figure 1 contains the Von Mises stress distributionon the current Model 700 trigger. The



Figure3. Von Misesstress distribution in current trigger.


