Mr. Les Shorter. Box 1664

St Ma Shorter:

Lim not at liberty to make statements about the qualifying our competitors, produces, the every all of the presently available products competing with the MATON high been tested. We are continually contine bott action rifles of other makes is well as our own. Teste are also biting made on other types of

Yes any in acros when you say that the Mark V Weetherby has larger shear area on the locking lugs than the Remington M/700. By direct scale measure-ment the Weatherby Mark V .300W Magaum has a shear area on the lugs of 0:366 square laches. The same scale measurement by a M/700 shows a cheer area of the M/700 shows a cheer area of the M/700 states by about 200.

These differences are of small consequence since both feedgas have a large factor of safety if made of good alloy steel containing shout . 4 carbon, then heat treated to give az elastic limit of about 150,000 pai.

Failure of the lug area occurs as a combination of sheer and compression. It is unlikely that either of the rifles in question would fail during firing in this manner. Fellure occurs when the cartridge case starts to flow at the head due to excessive presence and gas escapes around the bolt head. The large ferces exected by the high pressure gases on the larger areas of the receiver and bolt are the real causes of failure. What usually happens, if the gas does escape, is that the receiver is blown apart.