

Ilion, New York  
December 31, 1963

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Bridgeport

**INVENTIONS REPORT - SHAPE OF THE BOLT HANDLE**  
Models XP-100 and 600

Bolt handles on bolt action rifles have always caused considerable difficulty when it came to heavy recoil which generally will allow the bolt handle itself to impact on the trigger finger if the shooter is right handed, and secondly, because of the protrusion of the handle it was difficult to insert and withdraw a bolt action rifle from a scabbard with ease.

The intent of this inventions report is to provide information which supports the design approach in answering these two problems which essentially were initiated for the Model 600 because it was being designed to be a carbine and would be used to a great extent in scabbard type carrying devices.

As you will note the handle is a crooked shape and has been moved forward. This was to place it in a position far enough forward of the trigger finger so that the heavy recoil in the larger calibers would not allow the handle to impact against the forefinger. Secondly, the handle was nestled close to the stock so that it could be easily placed and withdrawn in a scabbard without interference. The latter accomplishment was obtained by bending the handle in close and cutting off the inside section of the ball and providing serrations for easy gripping during the unlocking motion of the handle.

Attached to this letter are photos and drawings of the handle. If you need any further information, please advise.

WEL:T  
Attach.

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