

metrically continuous wall extending rearwardly from the mouth of the chamber in said barrel into continuous exterior supporting relationship to said bolt wall when said bolt is in breech closing position.

2. In a firearm adapted for the firing of cartridges comprising rigid extractable cases, the combination comprising a barrel having therein a chamber adapted to receive the major portion of the case of a cartridge to be fired; a breech bolt having integral therewith a forwardly projecting circumferentially continuous unbroken annulus defining a recess in the head of said bolt adapted to receive the head portion of a cartridge chambered in said barrel; cartridge extracting means located within the continuous and unbroken interior wall of said annulus and adapted for operative engagement with the head of said cartridge; and an exterior support means for said bolt annulus comprising a rigidly fixed continuous annular flange extending rearwardly from the mouth of the chamber in said barrel into continuous exterior circumferential supporting relationship to said bolt annulus when said bolt is in breech closing position.

3. In a firearm adapted for the firing of cartridges comprising rigid extractable cases, the combination comprising a barrel having therein a chamber adapted to receive the major portion of the case of a cartridge to be fired; a breech bolt having integral therewith a forwardly projecting circumferentially continuous unbroken annulus defining a recess in the head of said bolt adapted to receive the head portion of a cartridge chambered in said barrel; cartridge extracting means located within the continuous and unbroken interior wall of said annulus and adapted for operative engagement with the head of said cartridge; and an exterior support means for said bolt annulus comprising a continuous annular flange integral with said barrel and extending rearwardly from the mouth of the chamber therein into continuous exterior circumferential supporting relationship to said bolt annulus when said bolt is in breech closing position.

4. In a firearm adapted for the firing of cartridges comprising rigid extractable cases, the combination comprising a barrel having therein a chamber adapted to receive the major portion of the case of a cartridge to be fired; a breech bolt having integral therewith a forwardly projecting circumferentially continuous unbroken annulus defining a recess in the head of said bolt adapted to receive the head portion of a cartridge

chambered in said barrel; cartridge extracting means located within the continuous and unbroken interior wall of said annulus and adapted for operative engagement with the head of said cartridge; and an exterior support means for said bolt annulus comprising a barrel extension rigidly fixed to said barrel and formed to define an integral continuous annular flange extending rearwardly from the mouth of the chamber in said barrel into continuous exterior circumferential supporting relationship to said bolt annulus when said bolt is in breech closing position.

5. In a firearm adapted for the firing of cartridges comprising rigid extractable cases, the combination comprising a barrel having therein a chamber adapted to receive the major portion of the case of a cartridge to be fired; a breech bolt having integral therewith a forwardly projecting circumferentially continuous unbroken annulus defining a recess in the head of said bolt adapted to receive the head portion of a cartridge chambered in said barrel; cartridge extracting means located within the continuous and unbroken interior wall of said annulus and adapted for operative engagement with the head of said cartridge; and an exterior support means for said bolt annulus comprising a receiver to which said barrel is rigidly secured, said receiver being formed to define a continuous annular flange integral with said receiver and extending rearwardly from the mouth of the chamber in said barrel into continuous exterior circumferential supporting relationship to said bolt annulus when said bolt is in breech closing position.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
207,056	Mesle	Aug. 13, 1878
472,795	Mannlicher	Apr. 12, 1892
960,500	Silva	Sept. 6, 1910
1,010,899	Halle	Dec. 5, 1911
1,066,737	Laird et al.	July 8, 1913
1,161,172	Frommer	Nov. 23, 1915
2,231,978	Wesson	Feb. 18, 1941
2,473,373	Howell	June 14, 1949

FOREIGN PATENTS

Number	Country	Date
13,266	Great Britain	1891