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 preech clos-

to said bolt wall when said bolt is in breech clusing position.

2. In a firearm adapted for the firing of carriders cumprising rigid extractible cases, the
combination comprising a barrel having therein a
chamber adapted to receive the major portion of
the case of a cattridise 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 cattridge chambered in said barrel; cartridge extracting means as
located within the continuous and unbroken interior wall of said annulus and adpted for operative engacement with the head of said cartridge;
and an exterior support means for said toolt annulus comprising a rigilly fixed continuous annulus flance 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
preech closing position.

breech closing position.

3. In a firearm adapted for the firing of carridges comprising rigid extractible 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 so bolt having integral therewith a forwardly projecting circumsterentially 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 exacting the means located within the continuous and unbroken interior well 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 finace 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 extractible 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 about 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 localed within the continuous and abroken interior wall of said annulus and adapted for operative engagement with the head of said cartridge; and an exterior support means for said bott annulus comprising a barrel extension rigidly fixed to said barrel and formed to define an integral continuous annular flange extension; rearwardly from the mouth of the chamber in said barrel into continuous exterior circumferential supporting relationship to said bolt annulus when said bolt in house the said to the said to the said bolt annulus when said bolt in house the said to the said bolt annulus when said bolt in house the said to the said bolt annulus when

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 extractible 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 recus 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 bott annulus comprising a receiver to which said better 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 bott 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 1802
ذ	960,500	Silva	Sept. 6, 1910
_	1.010.899	Halle	Dec. 5, 1911
	1.066,737	Laird et al	
	1.161.172	Frommer	Nov. 23, 1915
	2,231,978	Wesson	Peb. 18, 1941
41	2,473,373	Howell	June 14, 1949
	FOREIGN PATENTS		
	Number	Country	Date
	13,266	Great Britain	1891

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