

## THE CASHMORE MAGAZINE SPORTING RIFLE.

The accompanying illustrations are of an improved Magazine sporting rifle recently invented, and patented in Canada, the United States and elsewhere by E. J. Cashmore, of Toronto. The peculiarities of the invention are that it rectifies the obvious defects in other quick-firing repeating arms, the action being, as is claimed for it, the simplest and the strongest of any rifle ever used.

dragging movement. In the Cashmore arm the arrangement is such that when it is at full cock the action cannot be manipulated at all, as a catch is so arranged as to fall into a notch in the locking lever connected with the fire-arm, thus making it perfectly safe and reliable.

In other magazine rifles, when supplied with ammunition, where it is required that the fire-arm must be pushed forward to inject the cartridge into the barrel, great annoyance is frequently caused by the breaking of the locking arrangement, rendering the

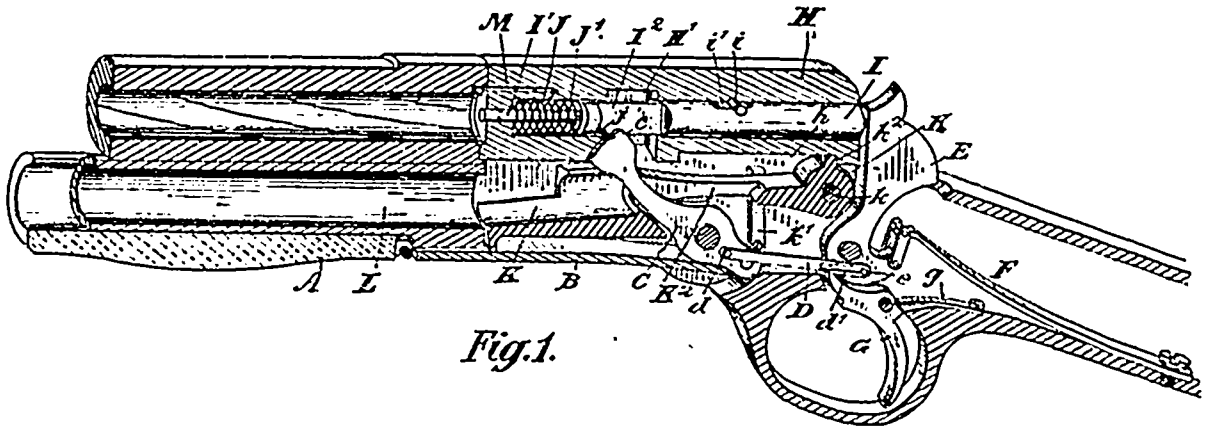


Fig. 1.

As will be seen by reference to the illustrations, the method of operation is by a sliding fire-end, the difference from other arms being that when the cartridge is in the chamber the fire-end is drawn back against the solid frame or body, thus enabling the user to hold the weapon firmly to the shoulder, instead of having it

weapon unsafe and unuseable. In the Cashmore arrangement this annoyance is obviated entirely as it is not necessary that the fire-end be locked when the rifle is being pressed to the shoulder, and no damage can possibly occur no matter how hard the arm is held back, because the fore-arm rests against the frame or body, the

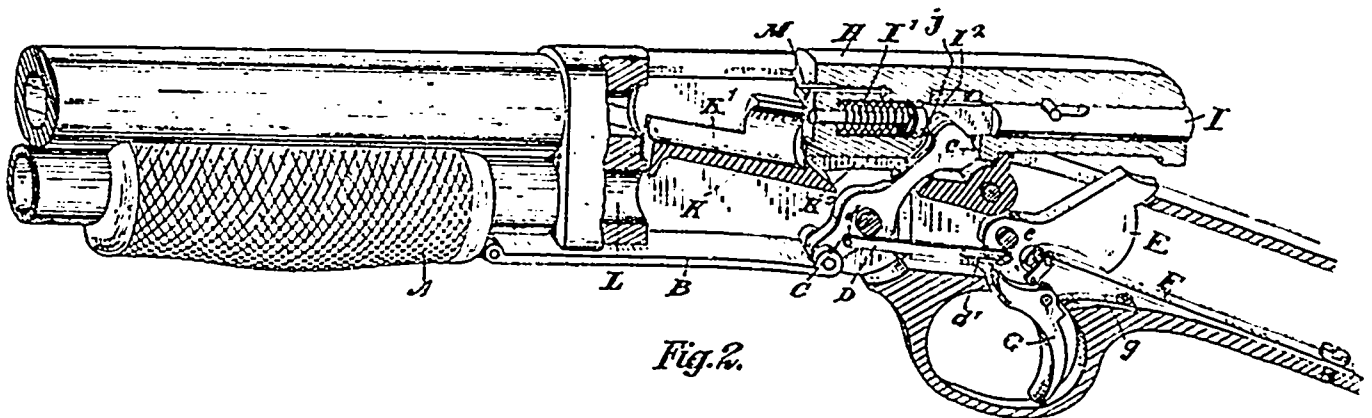


Fig. 2.

depend upon a small catch, or lock, as in other arms. It should be observed that the sliding fire-end is connected by a slotted-bar to a lever that operates the breach-bolt. On this lever is a small slotted bar engaging the hammer, by which the hammer is thrown to full cock when the arm is operated; this being accomplished, in other arms, by a sliding bolt which generally occasions a hard

unweildy, inconvenient and far-reaching under lever being done away with entirely.

Mr. Cashmore intends at an early day to go abroad to explain the merits of his invention to certain parties who are interested in the manufacture of sporting rifles. In the meantime his address is at 21 Scott street, Toronto.

We have received from Messrs. James L. Robertson & Sons, 204 Fulton Street, New York, their 1897 catalogue fully illustrating and describing their Robertson-Thompson indicator, Victor aluminum reducing wheel, standard averaging planimeter, Hime's eliminator, etc.

The Packard Electric Company, St. Catharines, Ont., have for some time been sending out each month a blotter calling attention to some specialty of their business. That for April gives a portrait of Her Majesty the Queen, and announces that the company is prepared to furnish all varieties of plain, fancy and colored miniature and candelabra lamps for electrical displays for the approaching Jubilee celebration.

The Dominion Government have passed an order-in-council granting \$300,000 to the G.T.R. for the extension of Victoria Bridge over the St. Lawrence, and this has been supplemented by a grant of \$150,000

from the Provincial Government. The work is to be commenced by May 1st and completed in October, 1898. The extension includes double tracking for railway purposes, constructing a double electric railway track and a road and footway.

The new handsome illustrated catalogue issued by Messrs. Cowan & Co., Galt, Ont., will be welcomed with pleasure by this old firm's numerous customers, and examined with profit by all who contemplate the purchase of engines, boilers or wood-working machinery. Messrs. Cowan & Co. well deserve the reputation attained by them, through forty-five years of perseverance, energy, square dealing and strict attention to the wants of the times.

We have received from Messrs. Jackson, Cochrane & Co., Berlin, Ont., their 1897 catalogue fully illustrating and describing the improved and patented wood working machinery manufactured by them—sand-

papering machines, planers and jointer, tenoning machines, wood lathes, chair back tenon machines, chair mortiser and boring machines, fret scroll saws, power feed rotating machines, rod, pin and dowel machines, carving machine, veneer presses, etc. Catalogues on application to the firm.

A petition from the farmers of Champlain, Nicolet, St. Maurice, Joliette, Vaudreuil and Three Rivers counties, signed by over fourteen hundred persons, will be presented to the Hon. W. S. Fielding, Sir Richard Cartwright and the Hon. Wm. Paterson, asking the government to encourage the manufacture of charcoal iron from bog ore in the Province of Quebec.

The Warton Woollen Mills Company, Warton, Ont., is being incorporated with a capital stock of \$20,000, to take over the business at present carried on at that place by A. W. Patterson, under the name of the Warton Woollen Mills.