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ABSTRACT

A SHELL RAMMING APPARATUS

A shell ramming apparatus for rapid linear loading of a shell into a gun, and includes a base structure, an actuator having an arm movable between a first point and a second point which are at an actuation distance D apart. At least two pulleys are engaged to the movable portion of the actuator to be moved by the movable portion a distance D . A movement transmission and multiplier arrangement including a cable fixed at a first location relative to the base structure and fixed at a second location relative to a ramming block which is to displace the shell towards the gun is provided about the pulleys of the actuator and at least one other pulley mounted for rotation about an axis fixed relative to the base structure. The cable intermediate of the first and second locations is in operative engagement with the pulleys of the actuator and the other pulley to, during displacement of the movable portion of the actuator which displaces the two pulleys a distance D , displace the cable at the second location a distance ("the ramming distance") corresponding to the multiplying effect provided by the movement transmission and multiplier arrangement.

Figure 5



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