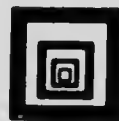


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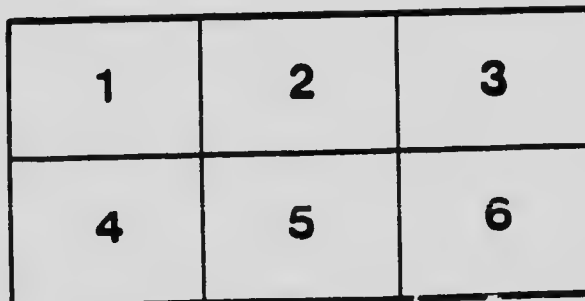
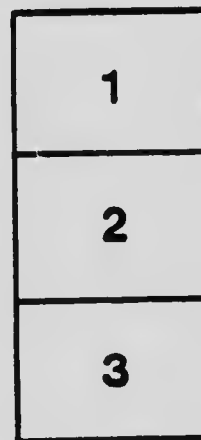
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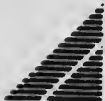
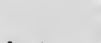
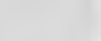
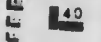
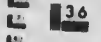
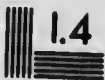
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THE HAY

RIFLE PERISCOPE

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Owen Sound, Canada

The Northern Electric Co., Limited
Montreal Canada

THE HAY

RIFLE PERISCOPE

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Montreal Canada

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STATISTICS show that it costs about \$10,000 to train and transport a soldier ready for work at the front. The rifle periscope will protect soldiers from wounds and death, cutting down the casualties enormously without interfering with the general efficiency, thus proving of great value as a conserver of life and fighting experience, which is of the greatest importance to the commanders in the field.

1- HAY RIFLE PERISCOPE



Figure 1—Illustrates Marksman firing from behind cover in an ordinary way, where it is necessary to expose his head, shoulders and arms.

HAY RIFLE PERISCOPE



Figure 2—Firm. from the same cover with Periscope, where perfect aim along the sight can be obtained, when only a part of the rifle and the top of Periscope are visible ; man using the rifle is completely protected from rifle firing in front.

6- **HAY RIFLE PERISCOPE**



Figure 3—Loading and firing, from the protected side of cover, with Periscope.





Figure 4—In the act of pulling the trigger with Periscope attached, from behind a stone.

8- HAY RIFLE PERISCOPE



Figure 5—Position of man and rifle ready to attach Periscope to rifle.

HAY RIFLE PERISCOPE - 11



Figure 6—Three seconds after when Periscope is attached ready for use.

THE HAY RIFLE PERISCOPE was invented by **LIEUTENANT J. MERRITT HAY**, of Owen Sound, Canada, April 1915, who is now on active service with **THE CANADIAN EXPEDITIONARY FORCES**. Patents have been applied for in Great Britain, France, United States, Russia, Italy, and Canada. Arrangements for its manufacture and sale have been made with The Northern Electric Company, Limited, Montreal, Canada, who are well equipped for turning them out in large quantities on short notice.

THIS invention of Lieutenant Hay was inspired while he was studying for a Captaincy after joining the Third Canadian Contingent, and with a view of helping save the lives of the Allied Soldiers. It is particularly adapted for use in the present war in view of the fact that the struggle has resolved itself largely into trench warfare, house fighting and fighting from every kind of cover. This device puts the marksman completely under cover, when firing at the enemy.

When Lieutenant Hay first conceived the idea he wrote to Major General, The Hon. Samuel Hughes, M.P., Minister of Militia and Defence for Canada. At once the General sent for him to visit Ottawa, the capital of the Dominion. He took with him a crude hand-made Periscope. General Hughes was so impressed with it that he invited Lieutenant Hay to submit it for inspection to Sir Robert Borden, the Premier, and Cabinet in Council assembled. The Minister of Militia then directed Brigadier General Bensou, Master General of Ordinance, and Lieutenant-Colonel Helmer, Director of Musketry, to test the Periscope out on the Rifle Ranges, which they did on two occa-

sions. They both gave it a favorable recommendation to the Minister. It was then submitted to and approved by the Small Arms Committee of Canada at a meeting held at Quebec, and its use by the Department of Militia was approved in writing by Major-General Hughes, Minister of Militia, Brigadier General Benson, Master General of Ordnance, General Gwatkin, Chief of General Staff, General Macdonald, Quarter-Master General, and Lieutenant-Colonel Helmer, Director of Musketry, and was approved by the war purchasing commission of Canada, and an initial order for the purchase of same passed, and they are now being manufactured by THE NORTHERN ELECTRIC COMPANY, LIMITED, of Montreal, for THE CANADIAN GOVERNMENT. It is believed it will be generally adopted by the Allies in the present war.

DESCRIPTION

It is $11\frac{1}{4}$ inches long, $1\frac{3}{8}$ inches square. weight 6 ounces, made of Pressed Aluminum, which gives it the strength necessary for any kind of use. When detached, there is no interference with the ordinary use of the rifle. It can be attached or detached in less than Three Seconds, and the rifle fired as rapidly with as without it. It is light and convenient to carry. It gives a clearer view of the object. All target marksman who have used it claim that it assists the sighting alignment, and enables more accurate shooting. It is well manufactured and can be furnished in large quantities at a low price.

FOR FURTHER PARTICULARS, address
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