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Note and Comment.

The reduction of the caliber of guns is necessarily accompanied with a diminution in the weight of the projectile. The length of the latter, in fact, cannot exceed a certain limit, beyond which it would no longer have sufficient stability in its trajectory. It would, therefore, be of considerable interest to have at our disposal, for the manufacture of rifle balls, a metal of reasonable price and heavier than lead. One of the metals upon which hopes may be founded, remarks the Revue d'Armes Portatives et de Tir, is tungsten. This metal, which is almost as hard as steel, has a density varying from 17 to 19.3, say

one and a half times that of lead. By reason of such qualities, balls of tungsten, of equal dimensions, possess a power of penetration much greater than that of lead. Thus, a tungsten ball penetrates a steel plate 3 inches in thickness at a distance of 650 yards, while a similar one of lead penetrates a 2 3/4 inch plate at 325 yards only. The present obstacle to the use of tungsten is its relatively high price, but there are indications that this will soon be lowered to reasonable figures.

The following is the history of the sword of General Wolfe, which is to be presented to Canada:—Wolfe died on the field of victory, as is well known, on the 13th of September, 1759, and his sword was supposed to have been left on the field when the general's body was removed. When the monument to mark the spot where Wolfe fell was being erected, on the Plains of Abraham, one of the artisans turned up from the earth a silver handled sword. On account of its richness it was said that it must belong to the commanding officer, and that is its only claim to authenticity. It was sold by a gunsmith who had bought it at an increased price, to Mr. Derbyshire, of Derbyshire and Desbarats, Queen's printers for Upper and Lower Canada. Mr. Derbyshire, who was a public spirited man, presented the sword to Major Dunn, who was then leaving Canada with the 100th Regiment. Whether there was any inspiration in the memory of Wolfe or not, Col. Dunn distinguished himself. After the charge of the "Light Brigade" at Balaclava, in which Col. Dunn took part, when the Victoria Cross

was to be awarded to the most heroic of the "400," the officer in command asked the men to name who should receive it, and with one accord they shouted, "Dunn, of the 11th Hussars." The sword of Wolfe and the Victoria Cross of Col. Dunn passed into the possession of his brother-in-law, Mr. Thurlow-Dowling, in whose possession they now are.

According to the following paragraph from the Volunteer Record, the need of more clear definitions of clothing orders are as much needed in England as here:—

In connection with the regulation regarding the uniform to be worn in the "Westminster" it would seem, after the protest entered by the 4th Manchester against the 2nd Liverpool, that a clearer definition of the meaning of "drill order" should be given in the programme book. A literal and also a liberal reading of the regulations ought not to be possible. To the military mind the words "drill order" mean what they are intended to convey when a commanding officer utters or issues them. To the N. R. A. Council, who are, perhaps with a single exception, members of one branch or another of the Service, they have a different meaning. The leaders of teams who were so conscientious as to interpret the "drill order" rule literally in regard to head gear, did so to the manifest handicapping of their men, whose glen-garries, pork pie and field service coverings were but poor protection from the glaring sun, as against the Wimbledon shooting caps worn by the winning team. We are far from wishing to detract from the merit of the excellent total of marks which gave the 2nd Liverpool the victory, but we are bound to point to the anomaly which no doubt helped them to gain it.

The league season is over and the winners as seen by the return we publish in this issue are now named.

Peterboro takes the lead in the 10 men team, the 57th having a lead of 16 points over the 45th of Lindsay, who are followed, though not very closely, by the 43rd of Ottawa.

In the 20 men team series, as in the 30 and 40 men teams, the 43rd