SOME LESSONS ANGLO-BOER W

As Effectiveness of Weapons Increases, Fatalities In Battle Apparently Decrease.

BY CAPTAIN G. L KILMER, LATE U. S. V.

up to date fighting machines. One im- range." portant fact brought out is that, for creating extensive cemeteries and makrange weapons, still hold the champion-Dynamite bombs and lyddite shells, built sifting machines and long

range smokeless powder guns have not feazed the world's record for carnage an iota. The civilized nations stand aghast at the fall of a few score of officers in a single fight as though it were an unheard of thing and that science had rendered warfare too frightfully gory for it to be tolerated among human beings. Probably the almost bloodless victories of our navy at Manlia Bay and Santiago have led people to look for enormous gains on a minimum of investment. These were marvelous exceptions.

War means fighting, and fighting in a war worthy of the name means killing on both sides. The casualties among officers are reported promptly, and at first blush seem to be excessive, but when the returns are officially made up it often transpires that the percentage is no greater than would be expected from the more exposed positions that brave officers will take in a figh! and the fact that the insignia on their uniforms make them exceptional targets. Looked at alone, the losses of officers at Santiago were exceptionally large. We have no percentages of the officers killed in the South African war, but, judging from the proportion of officers to men, it may be believed that the losses among British officers up to this time have not been as great under similar circumstances as they were at Santiago. For instance, the Sixth United States infantry, which charged on the San Juan blockhouse, lost 25 per cent of its men killed and wounded in a fight lasting not more than two hours and 38

per cent of its officers. Taking the

OER and Briton have demonstrated ; be called being 'in touch with the en in the four months of South Af- emy,' but in our time we should considrican warfare some things about er 1,200 yards as simply long artillery

With regard to the effectiveness of ing bloody history, the old fashioned of warfare introduced by them general-fighters, with their old fashioned short ly, General Sickles said to the writer nearly as many cannon. My opponent, that it did not receive the fierce outthat so far he had seen nothing to con- Longstreet, fought me that day with burst of Confederate fire, but in 20 min- battle grimed soldiers. The Michigans

attack upon Ladysmith. It is said that General Nelson A. Miles said recently.

1,000 yards. At the latter range the fire way, also had their breechloading, long 1,000 yards. At the latter range the fire way, also had their breechloading, long The Contengrates need their life until latter range the fire way, also had their breechloading, long The Contengrates need their life until latter range the fire way, also had their breechloading, long the contengrates need their life until latter range the fire way, also had their breechloading, long the humber of the daring Yankses were close up, and would be possible, provided the sol- troops engaged there has been set down as 2,000. Increased to 5,000 the way also had their breechloading, long the daring Yankses were close up, and would be possible, provided the sol- troops engaged there has been set down

the fighting there was at 500 yards' apropos of the subject of modern imrange, and the Boers, being the assail- proved weapons and projectiles in relaants, the losses sustained by them, if tion to battlefield casualties, "Losses they can be ascertained, would be a diminish in proportion as man killing test for the effectiveness of the modern devices progress." This is a fact, as companions stretched in regular rows army is going to be called upon to face battle not over 2,000 men. weapons. Of course, there has been no shown by figures, and is well known to around wheel ruts and trail prints on the closer will be the attention paid to fighting by large bodies of men in South close students of warfare. Examples the spot where the guns had stood. The Africa-that is to say, large bodies such of the kind cited by General Sickles regiment numbered 470 at the beginning as we were accustomed to marshal in in the case of his own regiment and of the fight. the battles of the civil war. Take my brigade might be found in scores from The heaviest losers at the battle of corps at Gettysburg, numbering from the records of the civil war. Take, for Gettysburg were two opposing reg-8,500 to 9,000 men. In the course of a instance, the Federal attack upon the iments-the Twenty-fourth Michigan three hours' fight we lost 4,211 men Confederate stone wall at Fredericks- and the Twenty-sixth North Carolina. killed and wounded. The casualties burg in 1862. The experience of the Sev- They fought in the first day's battle alwere chiefly bullet casualties. It is true enth New York (Steuben) regiment in most man for man in the dueling conthat the Confederates opened the ball that charge is typical. The Seventh test which took place in McPherson's long range weapons and the methods that day with about 60 pieces of artil- went in after other brigades had been woods. At the end of the day nothing vince him that warfare under present about 10,000 men in two divisions. The utes, or at the outside 30 minutes, out lost 397 out of 496, and the North Carconditions is exceptionally fatal. "Take next day Longstreet's third division- of 25 officers in the regiment 10 were olinas 688 out of 820. my own regiment, which was with me General Pickett's-had a fight all by it- killed and 8 wounded, and out of 450 . The casualties sustained by these as part of my brigade at the battle of self on Cemetery ridge, and in these men 240 were killed and wounded. All troops were almost entirely from mus-

Petersburg in 1864 the First Maine have seldom been equaled during the heavy artillery carried 822 men in line century. and lost 632 killed and wounded in a were marching upon Federal batteries. ed campaign battery at a distance of losses at Spion Kop; one set places it at The Confederates held their fire until more than two miles." Of course, that 784 and another at 828. The number of should very much like to see the official close quarters, and the result was dis-records of the Boer losses in the recent astrous to the French." 215 of the Minnesotans out of 262 were struck down upon a few square yards 215 of the Minnesotans out of 202 were diers were diers were the struck down upon a few square yards shot down without an attempt to get to Buller stated that the casualties were struck down upon a few square yards shot down without an attempt to get to Buller stated that the casualties were struck down upon a few square yards of earth, just at the point of centact. cover. This would not occur one time to per cent. At the same time the genting the second battle of Bull Run, 1862, in a hundred. Hundreds of thousands eral mentioned but five commands as In the second battle of Bull Run, 1862. In a numerou. In the second upon in-Duryee's zouaves stood up in front of of projectiles have been rained upon in-having fought splendidly, and the case a battery which was being mobbed by closed positions with only trifling casualties in officers referred to but five a battery which was being mobbed by closed positions. The better the weapons an commands, which probably carried into

hope attack upon log breastworks at witnessed at the battle of Franklin and the urgency of the fight which will

Theory figures out what a weapon the Boers five, rush that kept them under fire not to can do against a given target. One enexceed seven minutes. At Gettysburg, thusiast, writing of the Creusot gun during a crisis, the First Minnesota was now heard of in South Africa, says, called upon to charge a moving line of "With such pleces one can in seven mincalled upon to charge a moving line of ... With such precessing the combat three-quarters by military men. Two sets of figures confederates and capture its colors, in utes put hors de combat three-quarters by military men. Two sets of figures Confederates and capture its colors, in uses put more of the troops of a cover- have been made out for the British order to stagger the assailants, who of the effective of the troops of a cover- have been made out for the British diers were inclined to stand up and be as 3,000, increased to 5,000, and General

> It was supposed that the British army would be supplied with the latest forms reading between the lines it is sylden. of weapons. Their machine gun is the from the accounts of British corre-Maxim with certain modifications, and spondents and official dispatches, that it seems that the Boers are supplied Tommy Atkins does not stand to his with the same piece. At Tugela river work in the supreme moment. Methuen's Colonel Long found that his guns were outclassed by those of the Boers, and than 10 per cent, and it transpires the for that reason he pushed them dan- his army backed away from the Bor gerously close to the Boer position, and

lost them in consequence. Since the Franco-Prussian war there do the most execution. The British carry ten shets in the magazine and

General Sickles is not alone in ing for more complete data of the fight. ing in South Africa before expressing opinions as to the lessons to be learned Being myself a veteran soldier famil-

securing cover for the troops while un- iar with the difficulties of close fightder fire. It is only in cases of accidental ing, it is with reluctance that I state der fire. It is only in cases of the state that accounts from South Africa show that a mass of troops is exposed to the that British moldlers as a mass do not murderous fire of breechloaders or of fight to a finish. The British themselves go out of their way to praise the the nacity and valor of the Boers, but on casualties at Magersfontein were le position before it had half trief strength with the enemy. The first ac counts stated that the Black Watch got within 200 yards of the Boer works. At officer of the Guard brigade wrote that the Highlanders got within 100 yards of the enemy, but an officer of the Black Watch places 'he distance at 500 to 600 yards. It is plain, from British accounts, that the Highlanders stampedel at the first fire. They also led off in the retreat, and the other commands fol-

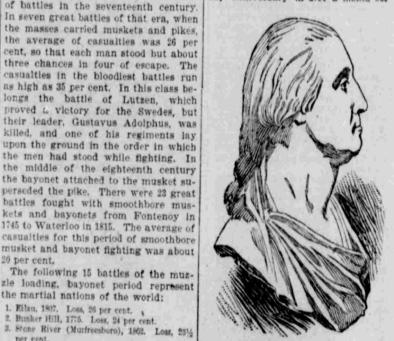
At Tugela River, where Buller lest II guns, the Boers shot down the horses and oxen of the batteries at 450 yards. Then the gunners abandoned their pieces. In the civil war it was a common occurrence for the battery horses to be shot down, but unless the gunner fired until the enemy swarmed into the batteries and then defended their piece with handspikes, rammer staffs and even stones, it was not called good fighting. Spion Kop was a foriorn hope equal to the Confederate assault on Little Round Top. But it transpires that, after 2,000 men had lost 40 per cent and there were 3,000 fresh supports at hand, the captured ground was abandoned without orders.

Nothing less than a fight to a firsh between formidable bodies of combatants can determine the effectiveness of the weapons and projectiles now in use. If armies cease to fight upon losing 10 per cent of the total strength, then that percentage represents the limit of human endurance in modern warfare,

WASHINGTON A CENTURY AGO.

On Feb. 22, 1800, a century ago, the obsequies of George Washington were officially celebrated at the national capital and were also observed in every city of the nation. The greatest American was also the subject of eulogies throughout the civilized world. Washington died on Dec. 14, 1799, after a has not been a conflict between armies few hours of great suffering. He passequally equipped until the present. In ed away at half past 10 o'clock in the the battles between Russla and Turkey evening, and by his side were his devot-the Turks had inferior weapons. Being ed wife, his secretary, Colonel Toblas fanatical fighters, like the dervishes in Lear, and his two lifelong friends and the Sudan, they were slaughtered by physicians, Drs. Dick and Craik The the breechloaders and dynamite shells last words he spoke were "It is well!"

In these days, when Washington's memory is revered by every one, it of the execution of weapons in warfare, seems strange to read that on his birthday ... nniversary in 1796 a motion was



HOUDON'S BUST OF WASHINGTON.

made in congress to adjourn in his honor, but was lost because a few disaffected members declared that it would be a "bad precedent." When the crowd outside heard the news, such a shouting ensued that the speakers could not be heard, and an adjournment was forced. Washington's birthday is now a legal holiday in the District of Columbia and in every state in the Union except six.

WASHINGTON.

Transcendent man! His mortal part Has long since passed our ken, Yet face and form, by painter's art, Are made to live again.

What majesty imbued that form! What grandeur marked that brow! Her noblest work till now. She lent to it her utmost skill,

Her touch, firm, but elastic, And, as her crowning act of will, She used her choicest plastic. The people leaned on his great arm;

He bade the nation live. He was their rock in war's alarm, Their safe alternative. He moved through scenes of waste and war,

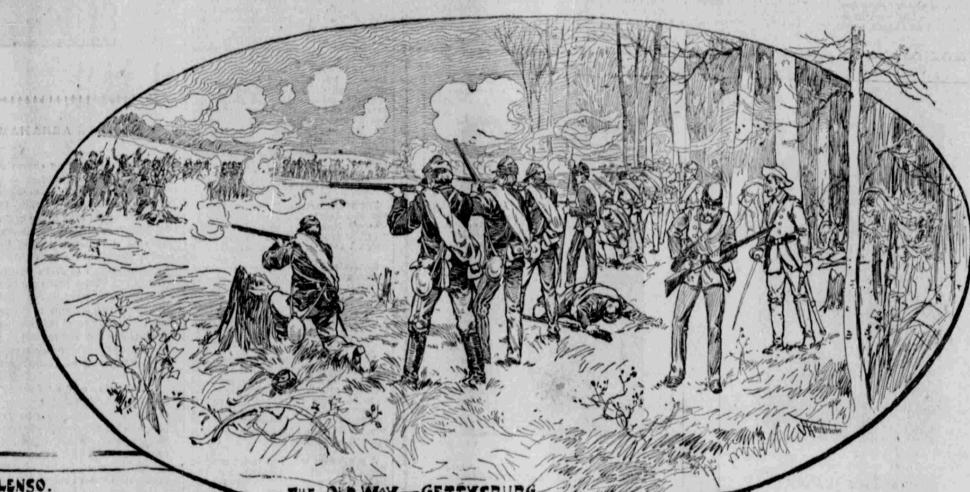
Pitying yet serene; Heart wrung was be, but yet needs wore A firm and steadfast mien When peace ensued, the wasted land Involved e'en greater care; Th' appalling task made stern demand

This nation is an object proof Of what the man has done

Of what he was it is enough To name it, "Washington.

Oh, grandest life, sublimest soul! Oh, proudest mortal name! Through coming time, as ages roll, They carry down thy fame.

ceeding to the front again. A Kaffir captured by the Boers while



THE NEW WAY - COLENSO. THE OLD WAY-GETTYSBURG

on the field of battle.

fight on San Juan hill, which was a bat-

and the mortality which is looked upon attract the notice of military men who have had actual experience in war. lments, numbering in all about 2,100 When the dispatch was published re- men. cently stating that General Buller's army was again "in close touch with the attention of General Daniel E. Sickles was called to it. "Ha, ha!" said he, and then, reading on further, he saw the statement that the line distance between the opposing lines was

infantry 15 per cent. This includes all were killed, 138 wounded and 113 reof the infantry and all of the cavalry ported missing; but there were no prisoners taken by the Confederates that The partial returns of casualties from day, therefore we concluded that the South Africa seem to apply, whenever 113 missing were all killed or wounded. percentages are hinted at, only to the That made the total casualties of the troops immediately engaged. The per- regiment 330, or 47 per cent of the centage of officers shot down in the cav- strength. The fighting took place at a alry and infantry at Santiago runs as range varying from 200 to 300 yards. follows, from the highest to the lowest: Now as to the loss in officers. There Tenth cavalry, 50 per cent; Ninth, 33 were 33 officers in the line, 7 of whom per cent; rough riders, 24 per cent; casualties out of a roster of 33. I men-Sixth infantry, 38 per cent; Thirteenth, tion this because it was my first severe 29 per cent; Tenth, 28 per cent; Six- fight and my own regiment. At that teenth, 26 per cent; Twenty-fourth, 26 time I commanded the Excelsior brigade per cent; Second, 23 per cent. In the of New York troops. This brigade followed my fortunes all through the war The effectiveness of the long range In that battle, during a three hours' weapons used in the South African war fight, when at times the range was as close as 200 yards, this brigade lost was composed of six New York reg-

> "At Gettysburg, of course, the fighting was very close, but not more so than in very many of the severely con-

fighting right through at San Juan hill, | Williamsburg. Va., in 1862, the Seven- two days of battle Longstreet's corps of of these casualties came from bullets, ketry fire. Instances might be cited to the battle of Effau is placed at 40,000 by the percentage of loss in the cavalry di- tieth New York. The regiment went 15,000 lost 7,000 men killed and wound- fired from the stone wall. This loss in show that, under certain circumstances, conservative estimates. In the figures vision was 14 per cent and that of the into battle with 700 men, of which 79 ed, a percentage, you see, about equivalent to the loss of my own corps. "Much has been said about the prob-

This superiority has not been demonstrated up to this time, but, even if the British should be better supplied with modern long range cannon than the Boers, it may not prove to be a great | ceck's division. per cent; Third, 27 per cent; Sixth, 25 were killed and 22 wounded, making 29 positions held by artillery the columns of assailants must be deep for the reanothing; but if there are several lines, the Seventh regiment belonged, there fifth lines will close up the gaps in the persistent, they will be able to do someby the laymen as something excessive nearly 38 per cent of its strength. It behind a height, for instance, or by the 50 per cent. lay of the land or by rocks and trees. fectiveness of long range weapons, for,

"I never had much faith in the ef-

once in the whole civil war, and that ing the civil war. It must be taken for are official, the total is little short of able superiority of British artillery. Hampshire at the storming of Fort ever solid bodies of troops marched up smoothbore and the second to the rifle this regiment were killed outright.

the Seventh regiment fought with Han- Federal batteries stationed there in some cent in the days of the musket and pike This division, as aladvantage for them. Artillery is, of ready indicated, was brought in as a course, effective to break up solid lines supporting column to the initial attack. assailants who had the courage to rifle barrel and bayonet, and in the of infantry. Naturally, in assaulting It consisted of 18 regiments, and there march up to the muzzles were swept Franco-Prussian war, fought with the were 19 regimental commanders shot down and disabled in one hour. Others battle of Franklin, Tenu., the slaughter below 16 per cent, son that a thin line of troops would be were hit, but kept the field. In the of the Confederate columns upon the blown from the ground and could do brigade of Colonel Caldwell, to which ground where the heaviest fighting took advantages as great as those under then the men of the third or fourth or were 116 officers present, 62 of whom were killed or wounded. General Han- due to cannon fire. The Confederate tacking the Boers in their fastnesses in tle of less than a day, there were \$3 officers shot down.

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The invading army was wounded out of 4,834 paper strength; the attack on the Federal fortified po- no greater than that of the defensive thing against the heaviest artillery. It that equals 42 per cent. Caldwell's bri- sition at the close of a November day, army, yet, having breechloaders and gade numbered 1,987 on paper, and lost probably as late as 4:30 p. m., so that modern cannon and machine gung, fective against troops who are covered 352 killed and wounded-that is to say,

Hancock's division, coming after other repulsed, was in the probably not over 15,000 men. In the As a matter of fact, the up to date once you teach troops that they can nature of a forlorn hope, but the cas- battle there were 6,000 Confederates weapons have not been fully tested in send a bullet a mile, it takes away their unlities in South Africa, which have killed and wounded, among them 13 gen- the South African war. The Boers have intrepidity. Napoleon III demoralized been made the most of as having been eral officers. The officers who fell were the Mauser rifles in great numbers, and tested battles of the civil war. Bay- his army by causing the soldiers to heavy, were sustained in actions which found close to the Federal breastworks, also the Mannlicher, a new and savage onets were used very freely along my think that the long range breechloads should be looked upon as forlorn hopes in some cases in the ditch, where they weapon. The British carry the Lee-Ening chassepot and the mitrafileuse -for instance, the charge of the High- had been shot from their horses while field, believed to be, in the long run, the "Under the regime of magazine rifles would defeat the enemy. It took all the land brigade at Magersfontein and the attempting to ride over the works at best weapon of the three, but it all dedistance between the opposing lines was | 1.100 or 1.600 | elan out of them and made them mere attack upon Splon Kop. In a forlorn | the heads of their columns. The scenes | pends upon the position of the troops

was in the case of the Seventh New granted that such was the case when- 30,000. The first battle belongs to the Wagner. In that affair 11 officers of to the cannon's mouth. In Pickett's barrel era, and the figures show that as charge, when the assaulting column weapons improve casualties grow less In the attack upon the stone wall closed in on the Federal works, the in percentages. The average was 26 per instances used double charges of can- 20 per cent with the smoothbore and ister at ten paces; that means that the bayonet, about a similar loss with the from the ground by iron hall. At the breechloading rifle, the casualties fell place was frightful in the extreme, which the United States army labored Much of the execution at that fight was in Cuba or that of the British in atthere was not two hours of daylight Chile won at all points, and in the defor fighting. Only one corps of the cisive battle of Miraflores actually won It might be said that the attack of Confederates actually closed in on the a great victory while attacking with an

In 1881 Chile invaded Peru under dis-

of the foe.

20 per cent.

per cent.

To go back still farther for examples

it is interesting to look at the records

battles fought with smoothbore mus-

The following 15 battles of the muz-

Eilau, 1807. Loss, 26 per cent.
 Bunker Hill, 1775. Loss, 24 per cent.
 Sfone River (Murfreesboro), 1862. Loss, 231/4

the martial nations of the world:

4. Marengo, 1800. Loss, 23 per cent.

9. Shiloh, 1862. Loss, 20 per cent.

13. Woerth, 1870. Loss, 14 per cent.

15. Sadowa, 1866. Loss, 12 per cent.

Solferino, 1859. Loss, 12 per cent,

The loss in killed and wounded at

5. Chickamauga, 1863. Loss, 21 per cent.
6. Antietam, 1892. Loss, 21 per cent.
7. Leipsic, 1813. Loss, 21 per cent.
8. Cettysburg, 1863. Loss, 20 per cent.

10, Lundy's Lane, 1814. Loss, 19 per cent.

11. Mars-la-Tour, 1870. Loss, 16 per cent. Waterloo, 1815. Loss, 14 per cent,

INTERESTING WAR FACTS.

Nearly the whole South African pla- famous.

utilize that strategy for which they are

liked to thrust upon him. He said that their strongholds during the hours of would enable them to cut off the supply at Pretoria are in no sense of the word have since recovered and are now pro-Lord Raglan in the Crimea had under live in a veldt fire, and in its passing it him only 25,000 British troops. Lord leaves a desert. Under the cover of him to be perfectly free from restrictions if they wished for success.

South Africa it would be necessary for blim to be perfectly free from restrictions if they wished for success.

Colonel Baden-Powell earned from

while he conducted the campaign in darkness and gaining thereby much of Boer war stores which the Portu- wage earners.

Delagoa bay, around which so much Lourence Marques. interest is just now centered, is the fin- It will doubtless surprise most people est harbor in South Africa and prac- to learn that any soldier of the British the Matabele the sobriquet of Impeest, tically the key to the Transvaal. Its army who is captured by the enemy ed officers and men captured at the tive thus escaped, with the dispatch Nearly the whole South African plateau is covered with a long, slender teau is covered with a long, slender transval. Its army who is captured by the enemy led officers and men captured at the tive thus escaped, with the displacence of the could number its among their possessions, which, under the fierce sun, is refused to abide by any plan of operations, which, under the fierce sun, is refused to abide by any plan of operations, with the displacence of the could number its among their possessions, will be readily understood, for it now playing football on the read course. often as dry as tinder. Nothing can tions which the war office would have able habit of scouting alone among sions, will be readily understood, for it now playing football on the race course medical staff by the Boers. These men hap.

guese are allowing to pass through

The Boer treatment of war prisoners is forcing commendation now even from taking a quill dispatch from Mafeking the English papers. Here is an instance to Kuruman was searched from head to