

Charles Luxmoore Research

Fetterman Battlefield

2023.02

BREAK DOWN OF TOTAL ITEMS RECOVERED

Spencer Cartridges.... (56-56 Caliber.....2)	6
(56-50 Caliber.....4)	
Spencer Cases..... (56-56 Caliber....42)	56
(56-50 Caliber....14)	
58 Caliber Minie Bullets, Unfired.....	10
58 Caliber Minie Bullets, Fired.....	6
58 Caliber Williams Bullet, Fired.....	1
54 Caliber Minie Bullet, Unfired.....	1
44 Caliber Henry Cases.....	2
52 Caliber Spencer Bullets, Fired.....	8
Indian Bullets, Ball Type.....	19
Indian Bullet, 56-50 Caliber Spencer Used in Muzzleloader.....	1
Iron Arrow Heads.....	2
Percussion Caps, Musket Type.....	2
Pistol Bullets, 36 Caliber..... (Fired From Colt.....1)	2
(Fired From Remington..1)	
Pistol Bullets, 44 Caliber, Unfired.....	1
Pistol Bullets, 44 Caliber..... (Fired From Colt.....1)	2
(Fired From Remington..1)	
Uniform Buttons..... (Large Diameter.....2)	4
(Small Diameter.....2)	
Buckle For ½" Strap, Type Used In Civil War.....	1
Cavalry Spur, Broken Rowel End.....	1
Spring Clip, 11/16 By 2 3/16 Inches.....	1
Ring, Rolled Brass.....	1

Total

127

3 August 1971

BREAK DOWN OF TOTAL ITEMS RECOVERED

Spencer Cartridges.....	(56-56 Caliber....1)	.....5
	(56-50 Caliber....4)	
Spencer Cases.....	(56-56 Caliber...26)	.....38
	(56-50 Caliber...12)	
58 Caliber Minie Bullets, Unfired.....		.....8
58 Caliber Minie Bullets, Fired.....		.....4
58 Caliber Williams Bullet, Fired.....		.....1
44 Caliber Henry Cases.....		.....2
Indian Bullets, Ball Type.....		.....16
Indian Bullet, 56-50 Caliber Spencer Used in Muzzleloader.....		.....1
Indian Bullet, 56-52 or 56-56 Caliber Spencer, Fired.....		.....3
Iron Arrow Heads.....		.....2
Percussion Caps, Musket Type.....		.....2
Pistol Bullets, 36 Caliber Colt.....		.....1
Pistol Bullets, 36 Caliber Remington.....		.....1
Pistol Bullets, 44 Caliber Colt.....		.....1
Pistol Bullets, 44 Caliber Remington.....		.....1
Uniform Buttons.....	(Large Diameter....2)	.....4
	(Small Diameter....2)	
Saddle Bag Buckle.....		.....1
Broken Cavalry Spur.....		.....1

Total

INDIAN WEAPON IDENTIFICATION

The identification of weapons being used by the Indians, as to their general characteristics, manufacture, size, type of lock, etc., of course, is nearly impossible from the bullet alone. There, however, can be a great deal of intelligence acquired from this source. We can learn from this source the weight and caliber of the bullets fired. This, in turn, will provide the caliber of the weapon in use.

With the intelligence thus provided along with site location, a pattern will be suggested. This suggestion will provide the researcher with an indication of battle flow. Certain caliber weapons appear at one, two, and sometimes three different sites, suggesting the battle's progression. At the same time, some weapons appear to drop out of the battle, while others join in.

The intelligence surrounding the bullet identification consisted mainly of weighing the different items. Some bullets presented patch material patterns pressed into the bullet surface by the force of the powder explosion. None of the muzzle loader type bullets showed any evidence of rifling, with the exception of one. A measure of the bullet's diameter often proved impossible, due to its upset and distorted condition.

To determine bullet caliber, the weight was relied on most heavily. First it was necessary to assume that lead had a specific weight of .4096 pounds per cubic inch. Each bullet

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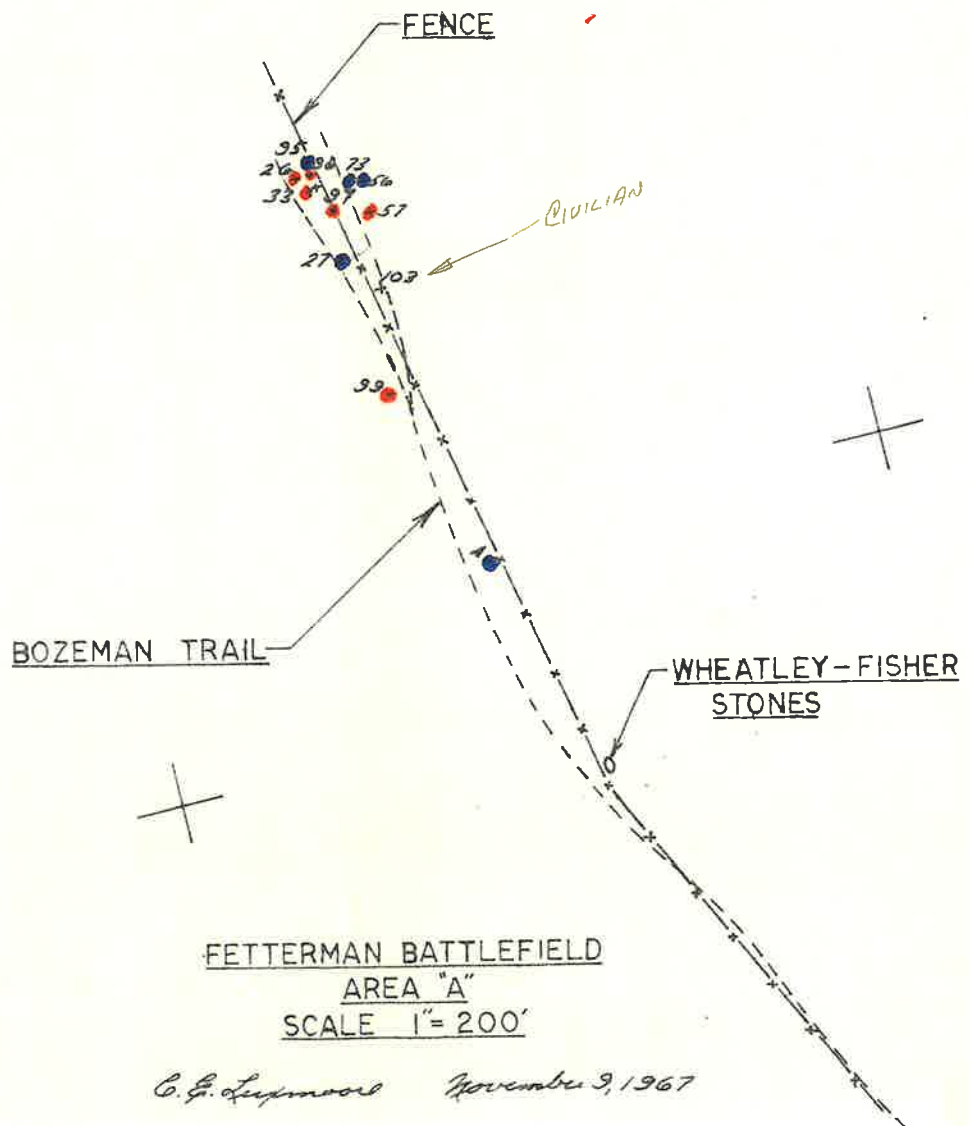
was then weighed in grains and converted to pounds. With this information it then became purely an academic problem to determine the volume of a sphere and thus the sphere diameter. Since most of the Indian weapons were muzzle loaders firing ball type projectiles, the researcher is thus provided with their caliber intelligence.

In determining the caliber of the using weapon, the following rule is used. The weapon caliber is equal to the bullet caliber plus the thickness of the patch. That is, using one thickness of the patch and not two. For a patch thickness, a good grade of flannel, which measured .020 thick, was used.

<u>ITEM</u>	<u>AREA</u>	<u>WEIGHT</u> <u>Grains</u>	<u>VOLUME</u> <u>Cu. In.</u>	<u>BULLET</u> <u>Caliber</u>	<u>WEAPON</u> <u>Caliber</u>	<u>REMARKS</u>
129	A-1	72.1	.02513	.363	.40	Flattened out
26	A	167.7	.05844	.481	.50	Ball
33*		399.8	----	.520	.52	Bullet
57		192.3	.06702	.504	.54	Ball
96		129.7	.04520	.442	.46	Damaged Ball
97		165.1	.05754	.479	.50	Ball
59*	B	163.7	----	.520	.520	Bullet
101		85.9	.02991	.385	.40	Flattened Out
106		146.4	.05102	.460	.46	Ball**
120		226.4	.07891	.532	.56	Ball
20	C	207.0	.07215	.517	.54	Flattened Out
31		203.8	.07103	.514	.54	Ball
111*		413.3	----	.520	.52	Bullet
13-1	E	240.5	.08382	.543	.56	Flattened Out
13-2		242.0	.08434	.544	.56	Flattened Out
45		118.8	.04141	.429	.46	Flattened Out
51*		339.0	----	.500	.52	Bullet
65		163.5	.05698	.477	.50	Damaged Ball
66		94.6	.03297	.398	.42	No Shape
93		174.7	.06089	.488	.50	Damaged Ball

* Elliptical or conical shaped bullet.

** The ball had been ground round, taking on an elliptical shape.



Fetterman Battlefield Area "A-1"



No. 1 56-52 Spencer



No. 122 56-50 Spencer



No. 124 56-50 Spencer



No. 125 56-56 Spencer



No. 129 Indian Bullet



No. 126 56-50 Spencer



No. 127-1 56-56 Spencer



No. 127-2 56-56 Spencer



No. 128 56-50 Spencer



No. 33 Spencer Bullet



No. 4 56-56 Spencer



No. 26 Indian Bullet



No. 27 56-50 Spencer



No. 33 Spencer Bullet

Fetterman Battlefield Area "A"



No. 56-1 56-50 Spencer



No. 56-2 56-56 Spencer



No. 57 Indian Bullet



No. 73 56-50 Spencer



No. 95 Small Uniform Button



No. 96 Indian Bullet



No. 99 Iron Arrow Head Tip



No. 103 44 Henry

4. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered east of the Bozeman Trail and north of the Wheatley-Fisher Stones. The cartridge had been fired from a Spencer type weapon. This item was approximately 4 inches underground and was recovered May 14, 1966.

26. INDIAN BULLET-ROUND LEAD BALL:

This item was recovered between the east and west branch of the Bozeman Trail. The caliber of the weapon firing this bullet is difficult to determine, however the weight of 167.7 grains would suggest a bullet caliber of .48. More than likely the caliber of the weapon was .50 in that the bullet was fired from a muzzle loader. The item was approximately 3 inches underground and was found July 28, 1966.

27. 56-50 CALIBER SPENCER CARTRIDGE CASE:

This item does not appear to have been fired in that there is no firing pin mark on the rim of the case. The case alone was recovered. The case is marked S.A.W. which identifies it as being made by the Sage Ammunition Works. This item was approximately 4 inches underground and was recovered on July 28, 1966.

33. 52 CALIBER BULLET:

This item together with two others, items 59 and 111 have not been identified by the author. They appear to have been fired from an early type Spencer weapon. Due to their recovery in the U.S. position it is believed that the weapon was a captured army carbine and therefore used by an Indian. The bullet weighed 399.8 grains and was marked by 6 rifles. The weapon was rifled with a right hand twist. The lands of the weapon appeared to be .17 inches wide while the grooves were .10 inches wide. The item was approximately 3 inches underground and was recovered July 29, 1966.

36. 56-50 CALIBER SPENCER CARTRIDGE CASE:

56-56 CALIBER SPENCER CARTRIDGE CASE:

Two (2) cartridge cases were recovered at this site. They were within 6 inches of each other and were underground approximately 4 inches. The Bozeman Trail divides at this point and they were found east of the east branch. They were recovered September 24, 1966.

37. INDIAN BULLET-ROUND LEAD BALL:

This item was recovered east of the east branch of the Bozeman Trail. The weight of this bullet is 192.3 grains and again the caliber of the weapon is difficult to determine. The weight would suggest a ball caliber of .50 which would have been fired by a muzzle loader of approximately .52 caliber. This item was approximately 5 inches underground and was recovered September 24, 1966.

73. 56-50 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered in close proximity to item 56. The cartridge had been fired from a Spencer type weapon. This item was approximately 2 inches underground and was found October 8, 1966.

95. ARMY UNIFORM BUTTON-SMALL DIAMETER:

This item was used on the Great Coat Cape and Tunic of the Civil War period enlisted man's uniform. The button measures 9/16 inches in diameter. The item was found between the two branches of the Bozeman Trail approximately 2 inches underground. It was recovered November 6, 1966.

96. INDIAN BULLET-ROUND LEAD BALL:

This item was recovered between the two branches of the Bozeman Trail. The weight of this bullet is 129.7 grains and, like the others, presents difficulties in identification. The weight would suggest a ball caliber of .44, which would have been fired by a muzzle loader of approximately .46 caliber. This item was underground approximately 3 inches and was recovered November 6, 1966.

97. INDIAN BULLET-ROUND LEAD BALL:

This item was recovered between the two branches of the Bozeman Trail. The weight of this bullet is 165.1 grains, or is very nearly the same as that found at site 26. This could very well suggest having been fired by the same weapon, at least by the same caliber weapon. The item was underground approximately 3 inches and was recovered November 6, 1966.

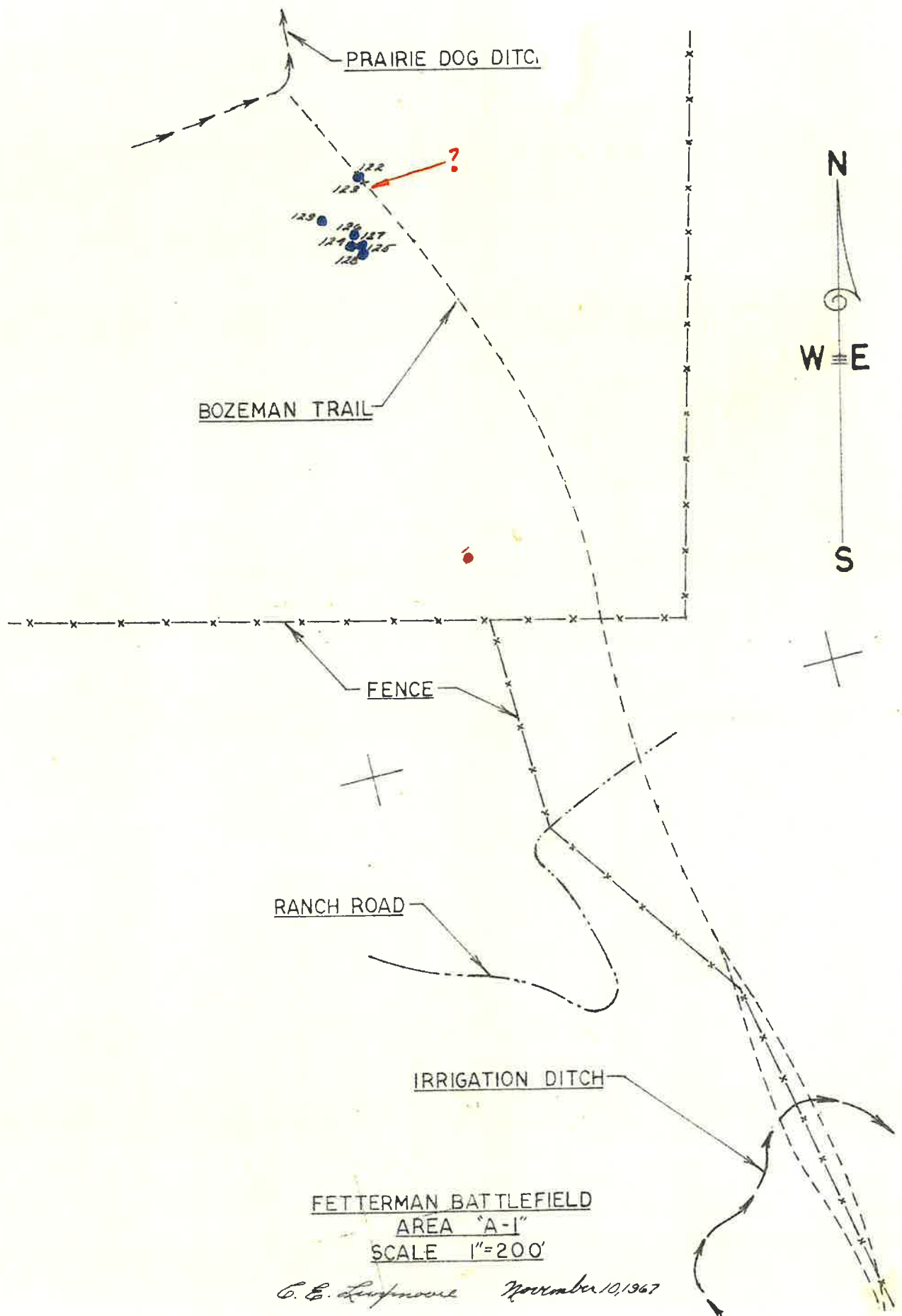
99. INDIAN IRON ARROW HEAD:

This item was recovered near the point where the trail divides. The shank end of the arrow was exposed to the elements over the years, which, in turn, caused the deterioration of that end. The point was reasonably well preserved, due to its penetration into the soil. When recovered, the point was directed down at a sharp angle and toward the south. This would lead one to believe that it had been fired from a lower elevation to the north - at an individual along the trail at that point where it breaks over a slight rise. This would cause the arrow to follow a high arcing trajectory, missing its intended victim and striking the ground beyond at an angle almost normal to its surface. The arrow was sharpened to a rather blunt point, as compared to item 49, with a fine edge added to the cutting surface. As to the origin of this arrow, it is difficult to say, due to its deteriorated condition. However, it does not possess the qualities of a Hudson Bay Point. This metal arrow, therefore, was perhaps made by the individual that ultimately used it. The arrow was underground approximately 1 inch and was found November 6, 1966.

103. 44 CALIBER HENRY CARTRIDGE CASE:

This item was recovered at the south end of the Bozeman Trail where the two branches join. The base of the case was marked with an "H" and the familiar double firing pin mark. The one item missing was the familiar bulge that comes with firing a Henry weapon with improper tension

set on the hammer spring. This would tend to suggest that the weapon firing this case was a new Henry that had little use prior to the battle. The item was approximately 2 inches underground and was recovered November 6, 1966.



FETTERMAN BATTLEFIELD
AREA "A-1"
SCALE 1"=200'

C. E. Humphreys November 10, 1967



NO. 1 .56-56 SPENCER



NO. 124 .56-50 SPENCER



NO. 127 .56-56 SPENCER



NO. 122 .56-50 SPENCER



NO. 125 .56-56 SPENCER



NO. 128 .56-50 SPENCER



NO. 126 .56-50 SPENCER



NO. 123 .58 MINIE BULLET



NO. 127 .56-56 SPENCER



NO. 129 INDIAN BULLET

FETTERMAN BATTLEFIELD AREA "A-1"

4-10-66 BSC

1. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered west of the Bozeman Trail and on the high ground overlooking Prairie Dog Creek (Peno Creek). The cartridge had been fired from a Spencer type weapon. The item was underground approximately 2 inches and was recovered May 16, 1965.

122. 56-50 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered in the center of the Bozeman Trail Approximately 200 feet south of the Prairie Dog (Peno Creek) Creek crossing. The cartridge had been fired from a Spencer type weapon. This item was approximately 1 inch underground and was recovered October 21, 1967.

123. 58 CALIBER MINIE BULLET:

This item was found in the center of the Bozeman Trail just a few feet south of item 122. The bullet had not been fired. When recovered it was pointing down and toward the east. It had been flattened out as if stepped on by some more recent traveler of the trail. This item was approximately 4 inches underground and was recovered October 21, 1967.

124. 56-50 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered west and a little south of item 122 and 123. The cartridge had been fired from a Spencer type weapon. This item was underground approximately 1 1/2 inches and was recovered October 21, 1967.

125. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered in close proximity to item 124. The cartridge had been fired from a Spencer type weapon. This item was approximately 1/2 inch underground and was recovered October 21, 1967.

126. 56-50 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered in close proximity to items 124 and 125. The cartridge had been fired from a Spencer type weapon. This item was approximately 1/2 inch underground. Recovery was made October 21, 1967.

127. 56-56 CALIBER SPENCER CARTRIDGE CASE:

56-56 CALIBER SPENCER CARTRIDGE CASE:

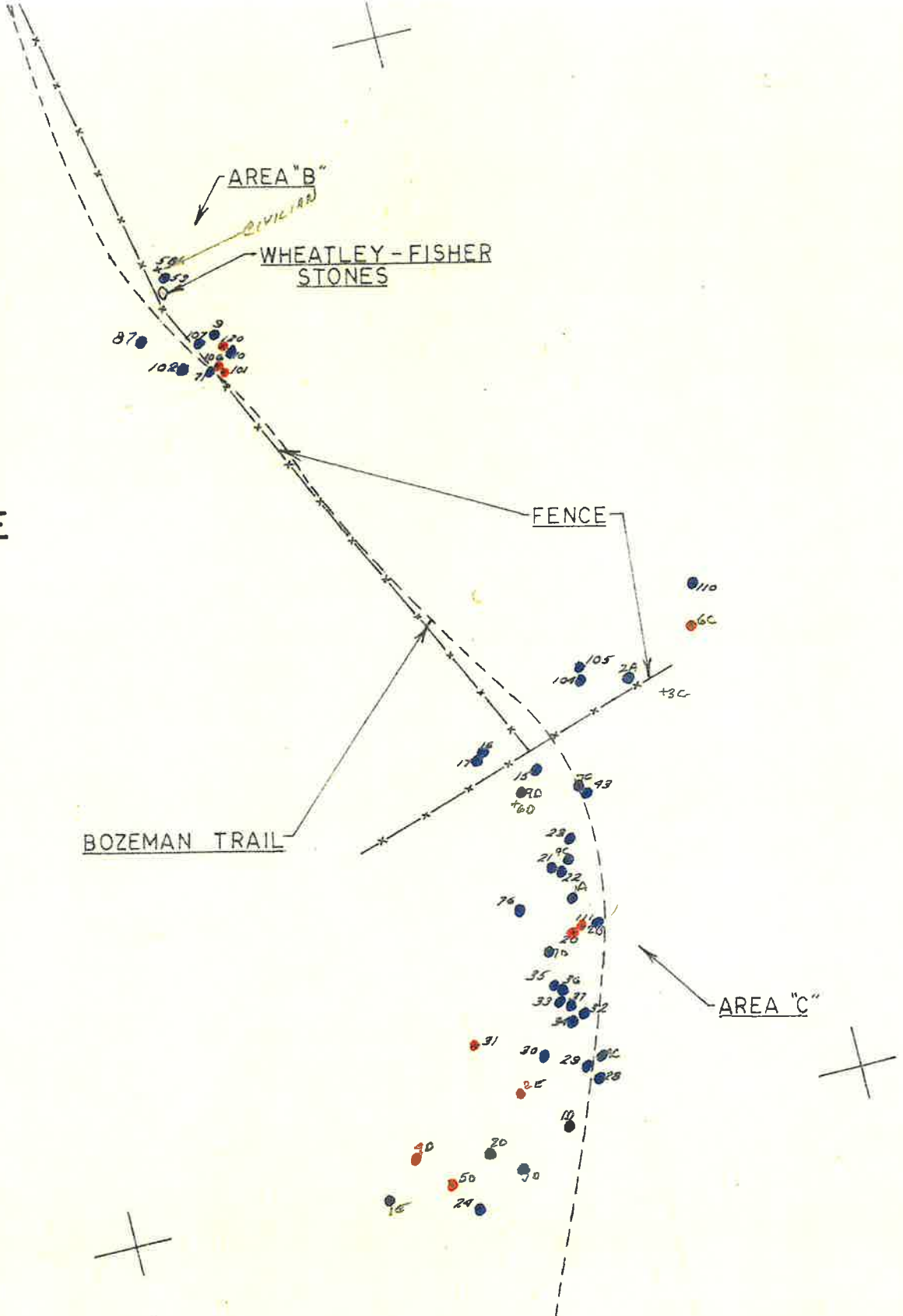
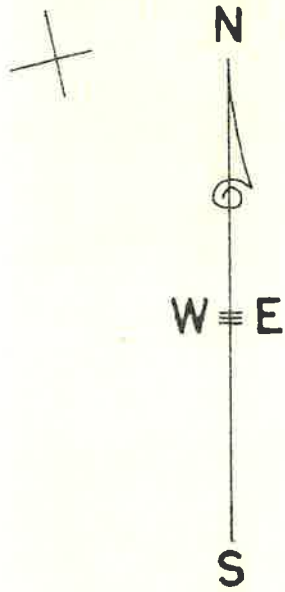
Two (2) cartridge cases were recovered at this site and again they were in close proximity to items 124, 125 and 126. The cartridges had been fired from a Spencer type weapon. They were approximately 2 inches underground and were found October 21, 1967.

128. 56-50 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered in close proximity to items 124, 125, 126 and 127. This fact, together with the cartridge found at site 122, could suggest the firing of a complete load from a Spencer type weapon. The Spencer was a lever action repeating type weapon that held seven (7) cartridges. This item was approximately 1 inch underground and was found October 21, 1967.

129. INDIAN BULLET-ROUND LEAD BALL:

This item was recovered approximately 36 feet north of item 124. The bullet was flattened out as though it had struck the ground from a close range. One side of the bullet remained smooth, which distinguishes it as being originally a ball, as opposed to a more modern conical type. The item weighed 72.1 grains, which would identify it as having a caliber of .36 or that would mean the weapon firing it would have been .40 caliber. The bullet was recovered near the surface of the ground and was found October 21, 1967.



FETTERMAN BATTLEFIELD
AREA "B" & "C"
SCALE 1" = 200'

C. E. Peterson November 7, 1967

Fetterman Battlefield Area "B"

No. 9 56-50 Spencer Cir.



No. 71 56-52 Spencer



No. 106 Indian Bullet



No. 10 56-50 Spencer



No. 87 56-56 Spencer



No. 107 56-50 Spencer Cir.



No. 58 44 Henry



No. 101 Indian Bullet



No. 120 Indian Bullet



No. 59 Spencer Bullet



No. 102 56-52 Spencer



No. 7B 58 Unfired Minié Bullet



9. 56-50 CALIBER SPENCER CARTRIDGE:

This item was recovered 100 feet south and east of the Wheatley-Fisher Stones. The cartridge was completely intact and displayed no evidence of any attempt to shoot it from a weapon. The cartridge appears to have fallen during a reloading attempt. This item was approximately 4 inches underground and was recovered May 31, 1966.

10. 56-50 CALIBER SPENCER CARTRIDGE CASE:

This item was located between 40 and 50 feet south of item #9. The cartridge had been fired from a Spencer type weapon. The case was approximately 6 inches underground and was found May 31, 1966.

58. 44 CALIBER HENRY CARTRIDGE CASE:

This item was recovered east of the Bozeman Trail and just north of the Wheatley-Fisher Stones. The case was located part-way over the military crest of the ridge and approximately 5 inches underground. This item, though a Henry cartridge case, was fired from a different weapon than that which fired item #103. The base of the case was marked with the familiar double firing pin mark and did contain the tell-tale bulge. This identifies it as having been fired by a different weapon. The case lay approximately 30 feet east of the trail and was recovered September 24, 1966.

59. 52 CALIBER BULLET:

This item was located within a few feet of the Wheatley-Fisher Stones to their north. The bullet was completely flattened out, as though it had hit a large stone from a very close range. The impact destroyed a true measure of the bullet's weight, as well as diameter. Visible, though, was the bullet's base, which gave an indication of its caliber and the number of rifle marks. The item weighed 163.7 grains, was approximately .52 caliber and was marked with 6 rifles. This item appears to be similar to, if not the same as, those found at sites #33 and #111. This item was located just under the surface of the ground and was recovered September 24, 1966.

71. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered one foot east of the fence, which, at this point, would place the firer on the west side of the Bozeman Trail. The cartridge had been fired from a Spencer type weapon. This item was approximately 2 inches underground and was located October 8, 1966.

87. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was found approximately 40 feet west of the trail and between two large stones. The stones are approximately 8 feet apart. The cartridge had been fired from a Spencer type weapon. This item was approximately 1/4 inch underground and was recovered October 23, 1966.

101. INDIAN BULLET-ROUND LEAD BULLET:

This item was found at the base of a small outcropping of stone on its west side. The outcropping is just east of the trail. The item appeared to have been fired from a great distance at someone located on the ridge and missed its mark. It struck the outcropping of stone instead. The caliber of this bullet is more difficult to determine than the others, due to its flattened out condition. The fact that it struck a stone tends to destroy its weight identity, as well. The weight of the item recovered, however, was 85.9 grains, which would suggest a bullet caliber of at least .39 and a weapon caliber of .40. Of course, this is the minimum caliber possible under these conditions. The bullet, though flat, was not badly deformed, which would suggest having been fired from a moderate to an intermediate long range. One side of the bullet displayed markings left by the patch. This item was just under the surface of the ground at the base of the stone and was recovered November 6, 1966.

102. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered 7 feet east of a group of stones on the west side of the ridge. The case was fired from a Spencer type weapon. This item was found just under the surface of the ground and was recovered November 6, 1966.

106. INDIAN BULLET-ROUND LEAD BALL:

This item was recovered just east of the trail and south of the Wheatley-Fisher Stones. This item is very interesting to study, for it appears to have been cast too large for the weapon it was used in. At this period of time, the Indians did very little casting of their own bullets. They found it easier to get them from traders or their Indian Agent. This bullet, having been found too large for the using Indians' weapon, was then ground down to the correct diameter. The bullet shows marks where it had been first ground round in one direction, then rotated 90° and ground round in the other direction. This diameter measures approximately .44 inches, which would suggest a weapon of caliber .46. The bullet weighs 146.4 grains, which, using this method to determine caliber, would suggest a caliber of .46. This difference is accounted for in that the bullet has taken on an elongated shape with the above mentioned grinding. The item was recovered approximately 1 inch underground and was found November 19, 1966.

107. 56-50 CALIBER SPENCER CARTRIDGE:

This item was recovered just north of item #106. Again, this cartridge was completely intact and there was no evidence of any attempt to shoot it from a weapon. One can only theorize that it was dropped during an attempt to reload or perhaps during the mutilitation of a trooper. The item was found approximately 1 inch underground and was recovered November 19, 1966.

120. INDIAN BULLET-ROUND LEAD BALL:

This item was recovered on the east side of the Bozeman Trail. The bullet is rather large in that it weighs 226.4 grains. This weight gives the bullet a caliber of .53 inches which, by the way, is just what it measures. Being a patched bullet would mean that the weapon that fired it would have had to be of .56 caliber. The bullet was located approximately 1 1/2 inches underground and was recovered March 26, 1967.

Fefferman Battlefield Area "C"

No. 105 Musket Percussion Cap



No. 104 Saddle Bag Buckle



No. 76 56-56 Spencer



424

No. 43 56-56 Spencer



No. 37 56-52 Spencer



No. 36 56-56 Spencer



No. 35 56-52 Spencer



No. 34 56-52 Spencer



No. 33 56-56 Spencer



No. 32 56-50 Spencer



No. 31 Indian Bullet



No. 30 56-50 Spencer



No. 29 56-56 Spencer



No. 28 58 Minnie Bullet



No. 24 58 Minnie Bullet

No. 23 Musket percussion Cap



No. 22 36 Cal. Colt Ball



No. 21 58 Minnie Bullet



No. 20 Indian Bullet



No. 17 56-56 Spencer



No. 16 56-50 Spencer



No. 15 56-52 Spencer

Fetterman Battlefield Area "C"



No. 110 44 Colt Indian Ball



No. 111 Spencer Bullet



No. 1A 56-52 Spencer



No. 3A Spencer Bullet



No. 8/71 56-52 Spencer



No. 2B 56-52 Spencer



No. 2C 54 Minie Bullet



No. 4C 56-56 Spencer



No. 5C Spencer Bullet



No. 6C 56-52 Spencer



No. 7C 56-56 Spencer



No. 8C 56-56 Spencer



No. 9C 56-56 Spencer



No. 1D 44 Army Pistol Bullet



No. 2D 58 Minie Bullet



No. 3D Spencer Bullet



No. 4D 56-56 Spencer



No. 5D Indian Bullet



No. 7D 56-50 Spencer



No. 8D 56-56 Spencer



No. 9D 56-56 Spencer



No. 2E Indian Bullet



No. 1E Tweezers Shaving

"In"ian Kit

15. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered west of the trail in the vicinity of the cavalry battlefield. The cartridge had been fired from a Spencer type weapon. The case was found lying on top of the ground and was recovered June 24, 1966.

16. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was found approximately 50 feet west of the Bozeman Trail and down slope halfway between the top of the ridge and the rocks below. These rocks are not to be confused with the ones that Wheatley and Fisher took refuge behind. These rocks are located to the south in the area of the cavalry battlefield. The case had been fired from a Spencer type weapon. This item was found approximately 4 inches underground and was recovered July 3, 1966.

17. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered just a few feet from item #16. The cartridge had been fired in a Spencer type weapon. The case was approximately 5 inches underground and was found July 3, 1966.

20. INDIAN BULLET-ROUND LEAD BALL:

This item was recovered along the south edge of the cavalry battlefield. The bullet was very nicely flattened out on one side, as though it had struck an animal with thick skin, such as a horse. The other side is nice and round. However, it does not show any marks of a patch

having been used. Judging from the shape of the bullet, one would be led to believe it had found its mark from a very close range. The bullet weighed 207 grains. This weight would suggest a bullet caliber of .52 or the caliber of the weapon would have been .54. The item was found approximately 3 inches underground and was recovered July 23, 1966.

21. 58 CALIBER MINIE BULLET:

This item was recovered in the central area of the cavalry battlefield. The bullet was in excellent condition in that it had not been fired. The bullet appeared to still have a coat of lubricant on it, even though it had turned yellow and hard with age or with the action of the soil. The bullet, when recovered, was pointing north and a little east. It would appear that this item was dropped by an infantryman while in the process of withdrawing a cartridge from his cartridge box, or perhaps it fell from his fingers while loading. The item was underground approximately 1 inch and was recovered July 23, 1966.

22. 36 CALIBER COLT NAVY PISTOL BALL:

This item was recovered within a few feet of item #21. The bullet was round and was marked with seven (7) rifles. The caliber of the ball measured .375, which is correct for the Colt Navy Revolver of the period. This weapon was very popular among veterans of the Civil War and was a personal side arm carried by many infantrymen. The bullet did not appear to have struck anything except

the ground. The bullet weighed 81.2 grains. The item was underground approximately 2 inches and was found July 23, 1966.

23. PERCUSSION MUSKET CAP:

This item was recovered on top of the ground in the central cavalry battlefield. The cap had been fired and was, therefore, sprung from its normal shape of a top hat to that of a cross or X. The item was located just 50 feet from item #21 and was recovered July 23, 1966.

24. 58 CALIBER MINIE BULLET:

This item was recovered some distance from the cavalry battlefield. It had been fired and was lodged in the ground, pointing in a southwest direction, which would be away from the battlefield. The bullet appeared to have been fired from the approximate location of item #23. The bullet was on top of the ground and was recovered July 23, 1966.

28. 58 CALIBER MINIE BULLET:

This item was recovered along the east side of the Bozeman Trail at the south end of the cavalry battlefield. The bullet had been damaged by something stepping on it. It had not been fired. Again, one can only theorize why it was located in this position. Perhaps an infantryman had his cartridge box open while retiring from the battlefield and the bullet fell out. I do not think the bullet was lost while trying to reload. It would appear that the infantry was trying to withdraw from the

cavalry battlefield while their sister branch fought a rearguard action. The item was underground approximately 2 inches and was recovered July 28, 1966.

29. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered at the south end of the cavalry battlefield and to the west of the Bozeman Trail. The case had been fired from a Spencer type weapon. The item was underground approximately 5 inches and was found July 28, 1966.

30. 56-50 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered on the west side of the trail and appeared to have been marked with the same firing pin that marked item #29. The shell had been fired from a Spencer type weapon. The case was underground approximately 2 inches and was found July 28, 1966.

31. INDIAN BULLET-ROUND LEAD BALL:

This item was recovered on the west side of the trail and just above the military crest. The bullet had suffered little damage, which would suggest that it was spent when it fell to earth. It weighed 203.8 grains, which would give it a caliber of .51, or that would mean the weapon that fired it would have been .54 caliber. This item was underground approximately 1 inch and was recovered July 28, 1966.

cavalry battlefield while their sister branch fought a rearguard action. The item was underground approximately 2 inches and was recovered July 28, 1966.

29. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered at the south end of the cavalry battlefield and to the west of the Bozeman Trail. The case had been fired from a Spencer type weapon. The item was underground approximately 5 inches and was found July 28, 1966.

30. 56-50 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered on the west side of the trail and appeared to have been marked with the same firing pin that marked item #29. The shell had been fired from a Spencer type weapon. The case was underground approximately 2 inches and was found July 28, 1966.

31. INDIAN BULLET-ROUND LEAD BALL:

This item was recovered on the west side of the trail and just above the military crest. The bullet had suffered little damage, which would suggest that it was spent when it fell to earth. It weighed 203.8 grains, which would give it a caliber of .51, or that would mean the weapon that fired it would have been .54 caliber. This item was underground approximately 1 inch and was recovered July 28, 1966.

32. 56-50 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered on the west side of the trail. It had been fired from a Spencer type weapon. The case was underground approximately 3 inches and was recovered July 28, 1966.

33. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item had been fired from a Spencer type weapon. This case, along with items #29, #30, and #32, tend to describe a defense position that was occupied by a number of cavalrymen. It was underground approximately 4 inches and was recovered August 1, 1966.

34. 56-56 CALIBER SPENCER CARTRIDGE:

This item falls into a pattern along with items #29, #30, #32 and #33. There was no evidence of any attempt to fire this cartridge. It was found approximately 4 inches underground and was recovered August 1, 1966.

35. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item is to be included in the same pattern as that indicated in item #34. This case had been fired by a Spencer type weapon. The item was recovered approximately 2 inches underground and was found August 1, 1966.

36. 56-56 CALIBER SPENCER CARTRIDGE CASE:

Again, this item is to be included with those described above. The case had been fired by a Spencer type weapon. In this case, the item was located near the surface and was recovered August 1, 1966.

37. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item, together with items 29, 30, 32, 33, 35 and 36, equals a complete load of seven (7) cartridges having been fired from a Spencer type weapon. Due to the proximity of the cases to one another, it could be inferred that the shooter was on his horse during the period of firing. The cases were some 8 to 12 feet apart, which can be accounted for by a nervous horse. Item 34 could have been dropped during a reloading cycle. The horse idea is subscribed to rather than afoot in that a man shooting afoot would tend to have two or more cases in practically the same location. Such an instance is described in item 128. This item was found underground approximately 1 inch and was recovered August 1, 1966.

43. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was all flattened out, as though it had been run over by a number of wagons or perhaps stepped on by a number of horses. The case was found just east of the Bozeman Trail and a little south of the highest point on the cavalry battlefield. It had been fired by a Spencer type weapon. The item was approximately 4 inches underground when recovered and was located August 5, 1966.

76. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered 10 feet east of the ditch and 15 feet south of the flume. This would be on the western side of the cavalry battlefield just off the high point. The case had been fired by a Spencer type weapon. The case was located approximately 4 inches underground and was found October 8, 1966.

104. BELT BUCKLE - ARMY SADDLE BAG TYPE (McCLELLAND CIVIL WAR SADDLE BAG):

This item was located in an area that had not been productive in the yielding of battlefield evidence. It was located to the east and just north of the battlefield. As you can tell from the recovery date, it was found late in the year. The item is a common type belt buckle in use during and after the Civil War. This buckle has been associated with the McClelland Saddle Bag. However, it could very well have been used on some other piece of equipment, especially infantry. The item still had traces of black paint on the reverse side. The buckle was approximately 1 inch underground and was recovered November 19, 1966.

105. PERCUSSION CAP - MUSKET TYPE:

This item was located just eight feet north and east of item #104. It is because of this fact, together with the lack of other battlefield evidence in this area, that leads one to believe this part of the field was occupied by the infantry. The infantry was using Model 1863 Springfield rifles, which were muzzle loaders. After the weapon had been fired, all that would remain at this position would be the percussion cap. Due to its small size, it is hard to recover. This would account for the lack of evidence in this area. The cap was approximately 1/2 inch underground and was recovered November 19, 1966.

110. 44 CALIBER COLT ARMY PISTOL BALL:

This item was recovered approximately 300 feet east and just north of the cavalry battlefield. The bullet was a round ball weighing 164.9 grains. It had been marked with 7 rifles of left hand twist and the usual loading rod scar. These marks identify the bullet as having been fired by a late model 1860 Colt army pistol. The early model 1860 Colt army pistols had right hand rifling. The item was underground approximately 1 inch and was found November 24, 1966.

111. 52 CALIBER BULLET:

This item has been associated, together with items #33 and #59, as having perhaps been fired from the same weapon. (See item #33 and #59.) The bullet is well marked, much better than the other two, yet it is difficult to identify the weapon firing it. A tentative identification of the weapon would be an early Spencer type and that it was taken from a soldier on some other field of honor. Its use in this battle would have been by an Indian. The bullet weighed 413.3 grains and has the same 6 rifles. It was found approximately 2 inches underground and was recovered November 24, 1966.



BOZEMAN TRAIL

N



W = E

S



2c

FETTERMAN BATTLEFIELD
 AREA "D"
 SCALE 1" = 200'

C. E. Lupton

November 8, 1906



Feterman Battlefield Area "D"



No. 83 58 Minnie Bullet



No. 113 44 Remington Bullet



No. 84 56-56 Spencer



No. 6B Indian Bullet



No. 84 56-52 Spencer



No. 114 58 Unfired Minnie Bullet



No. 58 56-52 Spencer



No. 9B 56-52 Spencer



No. 85 58 Unfired Minnie Bullet



No. 116 56-52 Spencer



No. 118 58 Unfired Minnie Bullet



No. 2771 56-50 Spencer



No. 86 56-50 Spencer Cir.



No. 3B 58 Unfired Minnie Bullet



No. 48 56-56 Spencer



No. 3/71 56-56 Spencer



No. 92 58 Minnie Bullet



No. 119 58 Unfired Minnie Bullet



No. 1B 56-52 Spencer

83. 58 CALIBER MINIE BULLET:

This item was found some distance south of the cavalry battlefield. The bullet had been fired and could have originated at this site. The item was underground approximately 2 inches and was recovered October 23, 1966.

84. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered north and west of item #83, approximately 10 feet. The cartridge had been fired by a Spencer type weapon. The case was approximately 2 inches underground and was found October 23, 1966.

85. 58 CALIBER MINIE BULLET:

This item had not been fired. The bullet was unmarked. When it was recovered it was pointed west. The item was underground approximately 1 inch and was found October 23, 1966.

86. 56-50 CALIBER SPENCER CARTRIDGE:

This item was recovered on a slight rise near the military crest. This rise overlooks an access draw to the cavalry battlefield. The item was underground approximately 1/2 inch and was found October 23, 1966.

92. 58 CALIBER MINIE BULLET:

This item had been fired and, when recovered, was pointed south and a little west. It could have originated in the cavalry battlefield similar to item #83. The loading rod mark, as well as the marks of the rifling, are evident in the photograph. The bullet was found 2 inches underground and was recovered on October 23, 1966.

113. 44 CALIBER REMINGTON ARMY REVOLVER BULLET:

This item was pointing in a southwest direction when found. It had been fired. The bullet was marked with 5 rifles and it weighed 211.6 grains. The object was approximately 1 inch underground and was recovered March 25, 1967.

114. 58 CALIBER MINIE BULLET:

This item, like item #85, had not been fired. It was pointing down and in a northwest direction when recovered. This item was approximately 2 inches underground and was found March 25, 1967.

116. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was at or near the surface when recovered. It had been fired in a Spencer type weapon. It was found March 26, 1967.

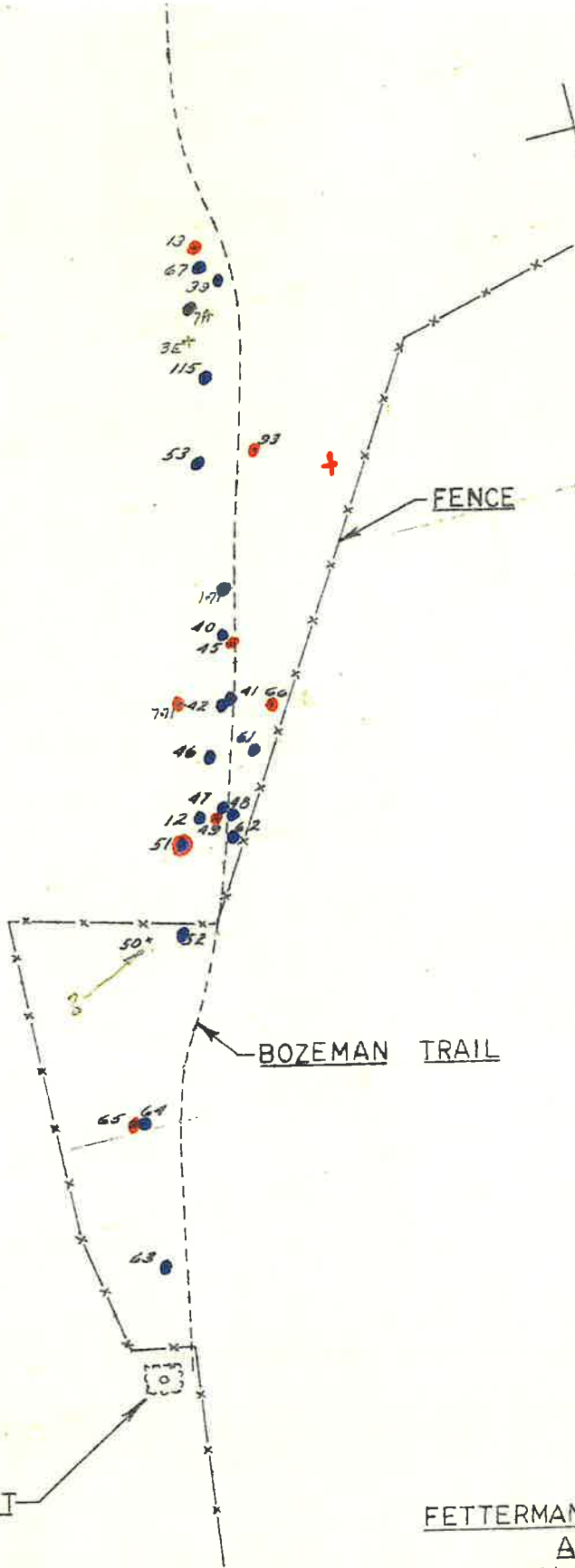
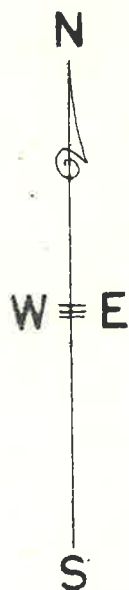
118. 58 CALIBER MINIE BULLET:

This item, together with items 85 and 114, were found in close proximity to one another. It was pointing down and in a southwest direction when recovered. The item was approximately 2 inches underground and was located March 26, 1967.

119. 58 CALIBER MINIE BULLET:

This item, like items 85, 114 and 118, go together to form a pattern. As to just what this pattern is supposed to indicate is difficult to interpret. Perhaps an infantryman fell with an open cartridge box, thereby losing these

cartridges that were recovered. He could have had this mishap during the retirement of his unit from the cavalry battlefield. At any rate, additional exploration on the site is necessary before a clear impression can be arrived upon. This item was only a foot and a half away from item 118. It was underground approximately 2 inches when recovered and was found March 26, 1967.



FETTERMAN
MONUMENT

BOZEMAN TRAIL

FENCE

FETTERMAN BATTLEFIELD
AREA "E"
SCALE 1" = 200'

C. G. Luxmoore October 26, 196

Fetterman Battlefield Area "EP"



No. 12 58 Minié Bullet



No. 43 56-52 Spencer



No. 50 Brass Ring



No. 62 58 Minié Bullet



No. 93 Indian Ball



No. 13-1 Indian Bullet



No. 45 Indian Bullet



No. 51 Spencer Bullet



No. 63 Large Uniform Button



No. 115 56-50 Spence



No. 13-2 Indian Bullet



No. 46 56-50 Spencer



No. 52 Small Uniform Button



No. 64 56-50 Spencer



No. 7A 56-52 Spence



No. 39 Spencer Shell Case



No. 47 Cavalry Spur



No. 65 Indian Bullet



No. 3E Spencer Bu



No. 40 Large Uniform Button



No. 48 36 Remington Bullet



No. 53 56-52 Spencer Bullet



No. 66 Indian Bullet



No. 1/71 58 Minié Bu



No. 42 56-52 Spencer



No. 49 Indian Iron Arrow



No. 61 58 Williams Bullet



No. 67 56-52 Spencer



No. 7/71 Sharps/58 Minié

12. 58 CALIBER MINIE BULLET:

This item, when recovered, was found pointing north away from the monument. The bullet appeared to have been fired from that point. It was underground approximately 1 inch and was found June 4, 1966.

13. INDIAN BULLET-ROUND LEAD BALL:
INDIAN BULLET-ROUND LEAD BALL:

These two items were recovered at the same location, just a few inches apart. Due to the flattened out condition and their proximity to one another, it is inferred that they mark the spot where an army horse expired. This site is on the highest point to the north of the monument. This prominent point provides a visual obstruction between the north and south extremes of the fight. The caliber of the bullets is difficult to determine, due to their distorted shape. By using their weight, which is 240.5 and 242.0 grains respectively, a caliber of .54 can be assigned. This would give the weapon firing the bullets a caliber of .56. The bullets were found approximately 5 inches underground and were located June 4, 1966.

39. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item was recovered just 46 feet from item 13. The case had been stepped on and was doubled up on itself. It had been fired from a Spencer type weapon. The case was found approximately 3 inches underground and was located August 1, 1966.

40. ARMY UNIFORM BUTTON-LARGE DIAMETER:

This item was used on the Great Coat of the Civil War period uniform. The button is the type used by enlisted men. The button measures .77 inches in diameter. It was approximately 4 inches underground and was recovered August 1, 1966.

41. 56-56 CALIBER SPENCER CARTRIDGE CASE (Photo #42):

This item had been fired in a Spencer type weapon. When recovered, it was approximately 8 inches underground and was located August 1, 1966.

42. 56-56 CALIBER SPENCER CARTRIDGE CASE (Photo #43):

This item was located just 8 feet from item #41. It had been fired in a Spencer type weapon. The case was underground approximately 2 inches. It was found August 1, 1966.

45. INDIAN BULLET-ROUND LEAD BALL:

This item was recovered just a few feet from item #40. It had been stepped on or rolled flat at sometime in its history. The bullet weighed 118.8 grains, which would give it a caliber of .43. If we allow for some loss due to its mutilated condition, then the weapon firing this projectile would have been of .46 caliber. The bullet was underground approximately 1/2 inch and was found August 6, 1966.

46. 56-50 CALIBER SPENCER CARTRIDGE:

This item was recovered intact with no evidence of having been discarded because of misfire. The base of the

cartridge was marked with S.A.W. (Sage Ammunition Works). The item was underground approximately 2 inches and was found August 6, 1966.

47. U. S. ARMY CAVALRY SPUR--ROWEL END:

This broken rowel end of a U. S. Army cavalry spur was found in the center of the Bozeman Trail just 40 rods north of the monument. It was underground approximately 3 inches and was located August 6, 1966.

48. 36 CALIBER REMINGTON NAVY REVOLVER BULLET:

This item was found near item #47. The bullet weighed 145 grains and measured .355 inches in diameter. It was marked with 5 rifles, the land width being .14 inches and the groove width .08 or .09 inches. Again, this is a non-military weapon that found great favor among the soldiers of this period. In this case, the weapon is identified as being a Remington navy revolver. The caliber identifies it as being the navy model. It was an item of issue in the navy, while the larger caliber of .44 was preferred by the army. It was also offered for sale on the civilian market. The bullet was found approximately 3 inches underground and was located August 6, 1966.

49. INDIAN IRON ARROW HEAD--HUDSONS BAY POINT:

This item, when recovered, was embedded in the ground at a slight angle and was pointing just east of south. It was located a few feet from items #47 and #48. The

arrow is approximately 3 inches long and is made of iron or steel. It is identified as being a Hudson Bay Fur Company type trade point. The arrow was underground approximately 4 inches and was recovered August 6, 1966.

50. BRASS RING:

This item is difficult to identify. It was not made for heavy or hard use in that it is not solid brass, but of rolled brass construction (see photo). It is believed that the item is part of a U. S. Army bridle curb chain. This was an item of use in this period and fit flat against the horse's lower jaw. It was approximately 2 inches underground and was found August 6, 1966.

51. 56-50 CALIBER SPENCER BULLET:

Upon first inspection, this item appeared to have been unfired. Closer inspection revealed faint rifle marks about the first cannelure. In addition to these slight marks, the bullet possesses a heavy gash or cut just ahead of the first cannelure (see photo). This cut is 5/8 of an inch long and appears to be the result of a knife. The bullet has the appearance (.50 cal.) and weight characteristics (339 grains) of a 56-50 Spencer. In fact, this item is to be identified as just that. The bullet, however, was not fired from a Spencer type weapon, but was used in an Indian muzzle loading rifle. It appears that an enterprising Indian captured a supply of Spencer type ammunition. He did not possess the correct

weapon for their use, therefore used them in his muzzle loader by pulling them apart. It was underground approximately 2 inches and was found September 3, 1966.

52. ARMY UNIFORM BUTTON-SMALL DIAMETER:

This is a Civil War period button that found service on the tunic and great coat cape of an enlisted man's uniform. The button measures 9/16 inches in diameter. The item was underground approximately 4 inches and was recovered September 18, 1966.

53. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item had been fired in a Spencer type weapon. It was underground approximately 3 inches and was recovered September 18, 1966.

61. 58 CALIBER WILLIAMS BULLET:

This item was known as the Williams Bore-Cleaning Bullet. There was usually one of these included in a package of cartridges. The purpose of the bullet was to scrape black powder fouling out of the rifle bore when fired. The bullet is made up of three parts: there is a bullet with a hole through it, a cupped zinc washer and a lead disc-plug. The three items fit together to make up the bullet. Upon firing the weapon, the base disc-plug is driven against the bullet, flattening out the zinc washer. This forces the washer out and against the rifling, thereby permitting it to scrape the bore as it is projected out. With the weapon thus cleaned,

the soldier could again load the arm without a lot of difficulty. It, of course, was not a replacement for hot water, soap and a lot of hard work, which was usually displayed in the normal cleaning process, but was considered a battlefield expedient. The Model 1863 Springfield, like all muzzle loaders of the period, tended to foul with black powder residue so badly that by the 8th to 10th shot the weapon could not be reloaded without a great deal of effort. With the use of the Williams bullet at this point, the weapon's efficiency was restored for another 5 or 6 shots. The item recovered had been fired. It was found approximately 2 inches underground and was located October 2, 1966.

62. 58 CALIBER MINIE BULLET:

This item was just east of the Bozeman Trail and had not been fired. As to why it was lost in this location is only conjecture. Perhaps it fell out of an open cartridge box as some soldier hurried on to his appointment with death. It was underground approximately 2 inches and was found October 2, 1966.

63. ARMY UNIFORM BUTTON-LARGE DIAMETER:

This item was used in the Civil War period on the great coat of an enlisted man's uniform. The button had been flattened out and was missing the sew-on loop. The other buttons recovered were not so damaged. This item was the closest item recovered to the monument, being only 130 feet distant. The button was underground approximately 2 inches and was located October 8, 1966.

64. 56-50 CALIBER SPENCER CARTRIDGE CASE:

This item had been fired from a Spencer type weapon. It was the nearest Spencer case recovered in proximity of the monument, being some 295 feet distant. The case was underground approximately 2 inches and was found October 8, 1966.

65. INDIAN BULLET-ROUND LEAD BALL:

This item was found west of item #64 some 3 feet. The bullet appeared to have struck something, but for the most part was still round. The bullet weighed 163.5 grains, which would give it a caliber of .48, or that would mean a weapon caliber of .50. The item was approximately 4 inches underground and was found October 8, 1966.

66. INDIAN BULLET-ROUND LEAD BALL:

This item was recovered on the east side of the trail. As you can see in the photo, the bullet has suffered a lot of damage. This damage is to be attributed to striking the ground, which is quite rocky at this point, instead of a living object. It weighed 94.6 grains, which would give it a ball diameter of .40 inches. Again, the weapon would have necessarily been of .42 caliber. The item was lying on top of the ground and was recovered October 8, 1966.

67. 56-56 CALIBER SPENCER CARTRIDGE CASE:

This item had been fired from a Spencer type weapon. It was underground approximately 1/2 inch and was found October 8, 1966.

93. INDIAN BULLET-ROUND LEAD BALL:

This item was recovered east of the Bozeman Trail and not too distant from the high point north of the monument. The bullet had suffered moderate damage. However, this perhaps occurred when it struck the ground. The bullet weighed 174.7 grains, which would suggest a caliber of .48 or a weapon caliber of .50. The item was underground approximately 2 inches and was found October 23, 1966.

115. 56-50 CALIBER SPENCER CARTRIDGE CASE:

This item, together with items #53 and #67, range in distance apart from 100 to 120 feet, as though they were fired from the same weapon, being discharged from the back of a speeding horse. This, of course, is only conjecture. Perhaps with additional searching, the whole story will come out. It was just such conjecture as this that has led to other discoveries on the battlefield that here-to-fore remained unknown. The case had been fired from a Spencer type weapon. It was approximately 1 inch underground and was located March 25, 1967.

- 1A. 56-56 Spencer Case, Cavalry Battlefield. Item 4" underground. 27' from #19N 45' South from #21. 1 June 1968. "c"
- *2A. 50 Caliber Bullet. Item approx 1 inch underground. SE of 105, 52', and north of fence 30'. 24 June 1968. "c"
- *3A. Square nut on surface opposite Wheatley-Fisher stone. West 45'. 24 June 1968.
- *4A 50-70 Case. North of Monument 100', East of fence 40'. Item $\frac{1}{2}$ inch underground. 24 June 1968.
(72' north of monument fence, 33 feet east of Highway fence, 42 feet from #63)
- 5A. Found tin can lid West side of trail. Item 5 inches underground. 27' west of #61 and south 48' from 41. 5 July 1968.
- 6A. Found washer $\frac{1}{2}$ " bolt. Item 2" underground. 2 feet from stake ? (Nut?) (From stake #40 66 feet NE) Next one north is #93 control point. 5 July 1968.
- 7A. Found 56-50 Spencer Cartridge Case. Item $\frac{1}{2}$ inch underground. 6' from control point. 81' from #115 and 36' from #39. 5 July 1968. "E"
- 8A. Found 56-56 Spencer Case. Item 2" underground. 84' from control point South and East. 270' from #68. 5 July 1968. "D"
- 9A. Found Oxen shoe. Item 3-4" underground. West side of trail. Item was on line with 8A and 68. 72' from #68. 5 July 1968.
- 10A. Item is a square nut for 9/16th bolt. 5 July 1968.
- 1B. Found 56-56 Spencer case approx 30' south of the angle point in the ditch and 7' west. The item was 1" underground. It was east of point #92 38'. 6 July 1968. "D"
- 2B. Found 56-56 Spencer case. Item was approx 1" underground. It was 9' from #111. 24' from #19 and 21' from #20. 6 July 1968. "c"
- 3B. Found 58 Caliber Minie Bullet. Item 1" underground. 18' northeast from 8A. 12' northwest from #84. 27 July 1968. "D"
- 4B. Found 56-56 Spencer Case. Item 1" underground. 31' from 8A, 60' from Control point and 20' from 3B. 27 July 1968. "D"
- 5B. Found 56-56 Spencer Case. Item $\frac{1}{4}$ " underground. 42' from 8A, 54' from Control Point and 39' from 4B. 27 July 1968. "D"
- 6B. Found Indian Bullet Ball. Item $\frac{1}{2}$ " underground. 27' from 5B and 27' from 8A. Item weighed 249.7 grains. 28 July 1968. "D"
- 7B. Found unfired 58 caliber Minie Bullet. Item in center of trail. It was approx. 1" underground. 54' from #87 and 12' from Galloway stake. 28 July 1968. "B"

- 3B. Found Iron Pin. Item in center of road and approx 7" underground. Item 1' from 7B. 28 July 1968.
- 9B. 56-56 Cartridge. Item 2" underground. 36' from #92, 36' from 1B and 60' from #113. 3 August 1968. "D"
10. Piece of Iron approx 3" long, 1" wide and $\frac{1}{4}$ " thick. Item on top of ground and south of tree approx 120'. East of ditch angle point 180'. 3 August 1968.
20. Minie type bullet. $1\frac{1}{2}$ " underground pointing NE. Item appears to be about 50 caliber (54 cal minie bullet). Item has not been fired. It was 45' south of tree and 18' from point in road. 3 August 1968. "D"
30. Worn out half of a horse shoe. Found in middle of trail approx 3" underground. 9' from #29 and 15' from 28. 3 August 1968.
40. 56-56 Spencer case east of trail and 1" underground. 21' from #28 and 12' from #29. 3 August 1968. "C"
50. 50 Caliber Spencer Bullet. Item underground approx $\frac{1}{2}$ ". It appeared to have come from the east. 140' from 110 and 100' from #105. 3 August 1968. "C"
60. 56-56 Spencer Case on top of the ground. Item 84' from #110 and 135' from 105. 3 August 1968. "C"
70. 56-56 Spencer Case. Center of trail. All beaten up. Item 5' from #43 and 30' from Vaughn #3. 10 August 1968. "C"
80. 56-56 Spencer Case. Item 1" underground. 15 feet from #22 and 41' from #23. 10 August 1968. "C"
90. 56-56 Spencer Case. Item 2" underground. 12' from #22 and 5' from 80. 10 August 1968. "C"
10. 44 Caliber pistol bullet. Item underground approx 1". Item appeared to be unfired 111-40, 87 feet from #28 and 132 feet from #24. 1 November 1968. "C"
20. 58 caliber Minie Bullet. Item had been fired and was pointing in a southern direction. Item approx 1" underground. 66' from #24 and 87' from 10. 1 November 1968. "C"
30. Large Caliber Bullet. Item pointing SW. It had been fired. Approx $\frac{1}{2}$ " underground. 54' from #24 and 39' from 20. 1 November 1968. "C"
40. 56-56 Spencer Case. Item $\frac{1}{2}$ " underground. 52' (57') from 20 and 75' (81') from #24. 1 November 1968. "C"
50. Indian Bullet. Item underground approx 3". 24' from #24 and 47' from 20. 8 November 1968. 1877 (2 copies) "C"
60. Found Bolt and nut. Item 1" underground. 24' from 10. 8 November 1968.
70. 56-50 Spencer Case. Item 3" underground. 45' from 2B and 63' from point? (96 Delta). 8 November 1968. "C"

- 8D. 56-56 Spencer Case on top 70' from fence corner (Cavalry Battlefield) and 51' from fence. 8 November 1968. "C"
- 9D. 56-56 Spencer Case. Item was 2" underground. 12' from 8D and 1' north of a line thru 8D and the fence corner. 8 November 1968. "C"
- 1E. Spring Clip. Item 2" underground. 36' from 4D and 63' from 5D. 9 May 1969. "C"
- 2E. Indian bullet. 1" underground. 48' from 6D and 69' from 2D. Item weighed 196.4 grains. 9 May 1969. "C"

Total Report 11-11-68

Fetterman Battlefield Area A

- 3 50-50 Spencer Cartridge Cases
- 2 50-56 Spencer Cartridge Cases
- 1 44 Henry Cartridge Case
- 1 50-56 Spencer Bullet
- 1 Uniforms Button (small size)
- 4 Indian Bullets
- 1 Iron Arrow Head.

Total Report 11-11-68

Fetterman Battlefield Area B

- 1 56-50 Spencer Cartridge Cases
- 3 56-56 Spencer Cartridge Cases
- 2 56-50 Spencer Cartridges
- 1 44 Henry Cartridge Case
- 1 56-56 Spencer Bullet (find)
- 1 58 Cal. Minnie Bullet (imprint stopped on)
- 3 Indian Bullets