August 2014 **88631**

New batch of items for conservation – C96 Mausers.

W:\Projects\London Gateway\London Gateway 2012\72439 Materials conservation and recording\72438 Conservation

Mausers into unit 6 for cleaning:

11.02.2014: 1 crate.

Tracking:

DESCRIPTION	WA NUMBER	INTO FINDS	OUT OF FINDS	COMMENTS
Complete pistol in case	WA1038_1 1225	16.10.2014	W*** iron salts still present	Concreted textile (?) impressions.
*Complete pistol in case	WA1038_2 1226	16.10.2014	Pistol – 26.08.2015 W***	Top part of case missing & some damage. Pistol can be removed from case.
Complete pistol in case	WA1038_3 1227	16.10.2014	Pistol – 26.08.2015 W***	Some concretions on case. Pistol can be removed from case.
Complete pistol in case	WA1038_4 1228	17.10.2014	Pistol – 26.08.2015 W*** iron salts still present	Remains of 2 screws/ bolts in side of case – not from hinge. Small section at top of case missing. Some concretions on case. Pistol can be removed from case.
Complete pistol in case	WA1038_5 1229	13.11.2014		Visible pistol substantially complete. Thin deposit of concretions.
Complete pistol in case	WA1038_6 1230	13.11.2014	W*** iron salts still present	Crack running down each of the narrow sides to approx. half the length.
Complete pistol in case	WA1038_7 1231	13.11.2014	W*** iron salts still present	
*Complete pistol in case	WA1038_8 1232	14.11.2014		
*Complete pistol in case	WA1038_9 1233	14.11.2014	W*** iron salts still present	3 large cracks along top of case. Some concretions.
*Complete pistol in case	WA1038_10 1234	14.11.2014	W*** iron salts still present	Most of top edge of case missing. Large split on either side of missing area. Large crack & damage to bottom edge of case.
Complete pistol in case	WA1038_11 1235	20.11.2014	Pistol – 26.08.2015 W***	Bottom edge of case missing. Large splits either side of missing area. Large split in top edge of case. Pistol can be removed from case. Much of pistol missing. Tip of barrel has broken off. Large areas of concretion. Textile impressions in concretion.
Complete pistol in case	WA1038_12 1236	14.11.2014	W*** iron salts still present	Losses to one side of case, damage and splits at top edge. Clip at end of case surviving?
*Complete pistol in case	WA1038_13 1237	14.11.2014		Case severely damaged. Many splits & losses. Much of pistol missing.

Details:

WA1038_1

Photo's: 1&2 before cleaning
3&4 after cleaning

16.10.2014: - as much as possible of loose iron corrosion (mainly black oxide) removed with a brush.
- into deoxygenated water.

03.11.2014: - some iron salts present (removed).
- salt levels checked, water replaced with fresh deoxygenated water.

19.12.2014: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.

14.01.2015: - small amount of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.

22.02.2015: - salt levels checked.

05.03.2015: - small amount of iron salts present (removed).
- water replaced with fresh tap water.

23.04.2015: - some iron salts present (removed).
- water replaced with fresh tap water.

21.05.2015: - small amounts of iron salts (removed).
- salt levels checked, water replaced with fresh tap water.

18.06.2015: - small amount of iron salts present (removed).
- water changed for fresh tap water.

16.07.2015: - small amount of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.

14.08.2015: - small amount of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.

24.09.2015: - small amount of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.

20.10.2015: - very small amount of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.

19.11.2015: - salt levels checked.

10.12.2015: - small amount of iron salts (removed).
- water changed for fresh tap water.

12.01.2016: - salt levels checked.

27.01.2016: - small amount of iron salts present (removed), salt levels not checked as down to acceptable levels, water changed for fresh tap water.

WA1038_2

Photo's: 1&2 before cleaning, combined
3&4 before cleaning, separated
5&6 after cleaning, separated
7&8 pistol after desalination and drying

16.10.2014: - as much as possible of loose iron corrosion removed with a brush.
- pistol and case separated.
- into deoxygenated water (in same container).

03.11.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh deoxygenated water.
19.12.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
14.01.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
- iron pistol removed and put into separate container with deoxygenated water.
22.02.2015: - salt levels checked.
04.03.2015: - iron pistol: flash rusting removed, air dried and into dry box for long term storage.
05.03.2015: - wooden case: some iron salts present (removed).
- water replaced with fresh tap water.
23.04.2015: - wooden case: large quantities of iron salts present (removed), water replaced with fresh tap water.
21.05.2015: - wooden case: large quantities of iron salts present (removed), salt levels checked, water replaced with fresh tap water.
18.06.2015: - wooden case: some iron salts present (removed), salt levels checked, water changed for fresh tap water.
16.07.2015: - wooden case: some iron salts present (removed), salt levels checked, water changed for fresh tap water.
14.08.2015: - wooden case: small amount of iron salts present (removed), salt levels checked, water changed for fresh tap water.
24.09.2015: - wooden case: very small amount of iron salts present inside case (removed), salt levels checked, water changed for fresh tap water.
20.10.2015: - wooden case: no iron salts present, salt levels checked, water changed for fresh tap water.
19.11.2015: - wooden case: salt levels not checked, as down to acceptable levels.

NOT TO BE RETAINED

WA1038_3

Photo's: 1&2 before cleaning, combined
3&4 before cleaning, separated
5&6 after cleaning, separated
7&8 pistol after desalination and drying

16.10.2014: - as much as possible of loose iron corrosion removed with a brush.
- pistol and case separated.
- into deoxygenated water (in same container).
03.11.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh deoxygenated water.
19.12.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
14.01.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.

- iron pistol removed and put into separate container with deoxygenated water.

22.02.2015: - salt levels checked.

05.03.2015: - iron pistol: small amount of flash rusting (removed), water replaced with fresh deoxygenated water.
- wooden case: small amount of iron salts present (removed), water replaced with fresh tap water.

23.04.2015: - salt levels checked.
- iron pistol: small amount of flash rusting (removed), water replaced with fresh deoxygenated water.
- wooden case: small amount of iron salts present (removed), water replaced with fresh tap water.

20.05.2015: - iron pistol: small amount of flash rusting (removed), salt levels checked, water replaced with fresh deoxygenated water.

21.05.2015: - wooden case: very small amount of iron salts present (removed), salt levels checked, water replaced with fresh tap water.

18.06.2015: - iron pistol: flash rusting removed, air dried and into dry box for long term storage.
- wooden case: very small amount of iron salts present (removed), salt levels checked, water replaced with fresh tap water.

16.07.2015: - wooden case: very small amount of iron salts present (removed), salt levels checked, water changed for fresh tap water.

14.08.2015: - wooden case: very small amount of iron salts present (removed), salt levels checked, water changed for fresh tap water.

24.09.2015: - wooden case: very small amount of iron salts present inside case (removed), salt levels not checked, as down to acceptable levels, water changed for fresh tap water.

20.10.2015: - wooden case: no iron salts present, water changed for fresh tap water.

27.01.2016: - OK.

WA1038_4

Photo's: 1&2 before cleaning, combined
3&4 before cleaning, separated
5&6 after cleaning, separated
7&8 pistol after desalination and drying

17.10.2014: - as much as possible of loose iron corrosion removed with a brush.
- pistol and case separated.
- into deoxygenated water (in same container).

03.11.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh deoxygenated water.

19.12.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.

14.01.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
- iron pistol removed and put into separate container with deoxygenated water.
22.02.2015: - salt levels checked.
04.03.2015: - iron pistol: flash rusting removed, air dried and into dry box for long term storage.
05.03.2015: - wooden case: some iron salts present (removed), water replaced with fresh tap water.
23.04.2015: - wooden case: some iron slats present (removed), water replaced with fresh tap water.
21.05.2015: - wooden case: large quantities of iron salts present (removed), salt levels checked, water replaced with fresh tap water.
18.06.2015: - wooden case: some iron salts present (removed), salt levels checked, water changed for fresh tap water.
16.07.2015: - wooden case: some iron salts present (removed), salt levels checked, water changed for fresh tap water.
14.08.2015: - wooden case: large amounts of iron salts present (removed), salt levels checked, water changed for fresh tap water.
24.09.2015: - wooden case: large amounts of iron salts present (removed), salt levels not checked as down to acceptable levels, water changed for fresh tap water.
20.10.2015: - wooden case: some iron salts present (removed), water changed for fresh tap water.
10.12.2015: - wooden case: some iron salts present (removed).
- water changed for fresh tap water.
27.01.2016: - wooden case: some iron salts present (removed).
- water changed for fresh tap water.

WA1038_5

Photo's: 1&2 before cleaning
3&4 after cleaning
13.11.2014: - as much as possible of loose iron corrosion (mainly black oxide) removed with a brush.
- into deoxygenated water.
19.12.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
14.01.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
22.02.2015: - salt levels checked.
05.03.2015: - large quantities of iron salts present (removed).
- water replaced with fresh tap water.
23.04.2015: - large amounts of iron salts present (removed).
- water replaced with fresh tap water.
21.05.2015: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
18.06.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
16.07.2015: - some iron salts present (removed).

- salt levels checked, water changed for fresh tap water.
14.08.2015: - some iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
24.09.2015: - some iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
20.10.2015: - small amount of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
19.11.2015: - salt levels checked.
10.12.2015: - small amount of iron salts (removed).
- water changed for fresh tap water.

WA1038_6

Photo's: 1&2 before cleaning
3&4 after cleaning
13.11.2014: - as much as possible of loose iron corrosion (mainly black oxide) removed with a brush.
- into deoxygenated water.
19.12.2014: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
14.01.2014: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
22.02.2015: - salt levels checked.
05.03.2015: - large amounts of iron salts present (removed).
- water replaced with fresh tap water.
23.04.2015: - large amounts of iron salts present (removed).
- water replaced with fresh tap water.
21.05.2015: - large amounts of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
18.06.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
16.07.2015: - some iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
14.08.2015: - some iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
24.09.2015: - some iron salts present (removed).
- salt levels not checked as down to acceptable levels, water changed for fresh tap water.
20.10.2015: - small amount of iron salts present (removed).
- water changed for fresh tap water.
10.12.2015: - small amount of iron salts (removed).
- water changed for fresh tap water.
27.01.2016: - small amount of iron salts present (removed).
- water changed for fresh tap water.

WA1038_7

Photo's: 1&2 before cleaning
3&4 after cleaning
13.11.2014: - as much as possible of loose iron corrosion removed with a

brush.
- into deoxygenated water.

19.12.2014: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.

14.01.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.

22.02.2015: - salt levels checked.

05.03.2015: - large quantities of iron salts present (removed).
- water replaced with fresh tap water.

23.04.2015: - large amounts of iron salts present (removed).
- water replaced with fresh tap water.

21.05.2015: - very large amounts of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.

18.06.2015: - very large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.

16.07.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.

14.08.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.

24.09.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.

20.10.2015: - some iron salts present (removed).
- salt levels checked, water changed for fresh tap water.

19.11.2015: - salt levels checked.

10.12.2015: - large amount of iron salts (removed).
- water changed for fresh tap water.

12.01.2016: - salt levels checked.

27.01.2016: large amount of iron salts (removed), slat levels not checked as down to acceptable levels, water changed for fresh tap water.

WA1038_8

Photo's: 1&2 before cleaning
3&4 after cleaning

14.11.2014: - as much as possible of loose iron corrosion (mainly black oxide) removed with a brush.
- into deoxygenated water.

19.12.2014: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.

14.01.2014: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.

22.02.2015: - salt levels checked.

05.03.2015: - large amounts of iron salts present (removed).
- water replaced with fresh tap water.

23.04.2015: - large amounts of iron salts present (removed).
- water replaced with fresh tap water.

21.05.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.

18.06.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.

16.07.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
14.08.2015: - some iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
24.09.2015: - some iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
20.10.2015: - small amount of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
19.11.2015: - salt levels checked.
10.12.2015: - some iron salts (removed).
- water changed for fresh tap water.
NOT TO BE RETAINED

WA1038_9

Photo's: 1&2 before cleaning
3&4 after cleaning
14.11.2014: - as much as possible of loose iron corrosion removed with a brush.
- into deoxygenated water.
19.12.2014: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
14.01.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
22.02.2015: - salt levels checked.
05.03.2015: - large amounts of iron salts present (removed).
- water replaced with fresh tap water.
23.04.2015: - large amounts of iron salts present (removed).
- water replaced with fresh tap water.
21.05.2015: - large amount of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
18.06.2015: - very large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
16.07.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
14.08.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
24.09.2015: - some iron salts present (removed).
- salt levels not checked as down to acceptable levels, water changed for fresh tap water.
20.10.2015: - large amounts of iron salts present (removed).
- water changed for fresh tap water.
10.12.2015: - large amount of iron salts (removed).
- water changed for fresh tap water.
NOT TO BE RETAINED

WA1038_10

Photo's: 1&2 before cleaning
3&4 after cleaning

14.11.2014: - as much as possible of loose iron corrosion removed with a brush.
- into deoxygenated water.
19.12.2014: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
14.01.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
22.02.2015: - salt levels checked.
05.03.2015: - large amounts of iron salts present (removed).
- water replaced with fresh tap water.
23.04.2015: - large amounts of iron salts present (removed).
- water replaced with fresh tap water.
21.05.2015: - some iron salts present (removed).
- wood soft.
- salt levels checked, water replaced with fresh tap water.
18.06.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
16.07.2015: - some iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
14.08.015: - some salts present (removed).
- salt levels checked, water changed for fresh tap water.
24.09.2015: - some salts present (removed).
- salt levels not checked as down to acceptable levles, water changed for fresh tap water.
20.10.2015: - some iron salts present (removed).
- water changed for fresh tap water.
10.12.2015: - some iron salts (removed).
- water changed for fresh tap water.
NOT TO BE RETAINED

WA1038_11

Photo's: 1&2 before cleaning, combined
3&4 before cleaning, separated
5&6 after cleaning, separated
7&8 pistol after desalination and drying

20.11.2014: - as much as possible of loose iron corrosion (mainly black oxide) removed with a brush.
- as much as possible of soft concretions removed with a dental tool. Substantial amounts of concretion still remain.
- into deoxygenated water.
19.12.2014: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
14.01.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
- iron pistol removed and put into separate container with deoxygenated water.
22.02.2015: - salt levels checked.
04.03.2015: - iron pistol: flash rusting removed, air dried and into dry box for long term storage.

05.03.2015: - wooden case: some iron salts present (removed), water replaced with fresh tap water.
23.04.2015: - wooden case: some iron salts present (removed), water replaced with fresh tap water.
21.05.2015: - wooden case: very small amount of iron salts present (removed), salt levels checked, water replaced with fresh tap water.
18.06.2015: - wooden case: no iron salts present, salt levels checked, water changed for fresh tap water.
16.07.2015: - wooden case: no iron salts present, salt levels checked, water changed for fresh tap water.
14.08.2015: - wooden case: no iron salts present, salt levels checked, water changed for fresh tap water.
24.09.2015: - wooden case: no iron salts present, salt levels checked, water changed for fresh tap water.
20.10.2015: - wooden case: no iron salts present, some biological growth, salt levels checked, water changed for fresh tap water.
19.11.2015: - wooden case: salt levels not checked as down to acceptable
27.01.2016: - wooden case: some biological growth (removed), water changed for fresh tap water.

WA1038_12

Photo's: 1&2 before cleaning
3&4 after cleaning

14.11.2014: - as much as possible of loose iron corrosion removed with a brush.
- into deoxygenated water.
19.12.2014: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
14.01.2014: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
22.02.2015: - salt levels checked.
05.03.2015: - large quantities of iron salts present (removed).
- water replaced with fresh tap water.
23.04.2015: - large amounts of iron salts present (removed).
- water replaced with fresh tap water.
21.05.2015: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
18.06.2015: - very large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
16.07.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
14.08.2015: - some iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
24.09.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
20.10.2015: - small amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
19.11.2015: - salt levels checked.

10.12.2015: - some iron salts (removed).
- water changed for fresh tap water.
12.01.2016: - salt levels checked.
27.01.2016: small amount of iron salts present (removed), salt levels not checked as down to acceptable levels, water changed for fresh tap water.

WA1038_13

Photo's: 1&2 before cleaning
3&4 after cleaning
14.11.2014: - as much as possible of loose iron corrosion (mainly black oxide) removed with a brush.
- into deoxygenated water.
19.12.2014: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
14.01.2014: - large quantities of iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
22.02.2015: - salt levels checked.
05.03.2015: - large quantities of iron salts present (removed).
- water replaced with fresh tap water.
23.04.2015: - large amounts of iron salts present (removed).
- water replaced with fresh tap water.
21.05.2015: - some iron salts present (removed).
- salt levels checked, water replaced with fresh tap water.
18.06.2015: - very large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
16.07.2015: - very large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
14.08.2015: - large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
24.09.2015: - very large amounts of iron salts present (removed).
- salt levels checked, water changed for fresh tap water.
20.10.2015: - some iron salts present (removed).
- water changed for fresh tap water.
10.12.2015: - large amount of iron salts (removed).
- water changed for fresh tap water.

NOT TO BE RETAINED

Chloride monitoring:
Using 1% silver nitrate, comparing sample with tap water.
If tap water is 1:

Date	1	2		3		4		5	6	7	8	9	10	11		12	13
16.10.2014	initial chloride reading of crate very high																
03.11.2014	2	1.5		2		2											
19.12.2014	3	2		3		2		1.5	3	black	2	3	1.5	2		3	3
14.01.2014	3	2		2		2		3	2	2	4	2	2	2		3	2
		W	Fe	W	Fe	W	Fe							W	Fe		
22.02.2015	2	1	1	1.5	2	2	1	2	2	3	3	4	3	2	1	2	2
04.03.2015			done				done								done		
10.04.2015	2	1.5		2	1.5	1.5		2	2	2	2	2.5	2.5	2		1.5	2
20.05.2015					1												
21.05.2015	1.5	1		1		1		1.5	1	1.5	1.5	1	1	1		1	1
18.06.2015	missed	1		1	done	1		1.5	1	2	2	1	1	1		2	1.5
16.07.2015	1	1.5		1		1		1.5	1	1.5	1.5	1	1	1.5		1	1
14.08.2015	1	1		done		done		1.5	done	1	1.5	done	done	1		1	1
24.09.2015	1.5	1						1.5		1.5	1.5			1		1.5	1
20.10.2015	1	1						1		1	2			1		1	done
19.11.2015	1	done						1		1	1			done		1	
12.01.2016	1									1						1	
	done									done						done	

Water notes:
20.10.2015: tap water particularly aerated.