

Edinburgh Castle
City of Edinburgh

Catalogue and assessment of ex situ fireplaces

for

Historic Environment Scotland

December 2017



Fireplaces in storage

Addyman Archaeology

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by K. Macfadyen

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Catalogue and assessment of ex situ fireplaces

Executive Summary

A collection of metalwork (mainly cast-iron) components associated with historic fireplaces have long been stored within the castle's vaults. These had been removed from various parts of the castle during works over the preceding 50 years or so. The present project was intended to provide a catalogue and assessment of these items, this in part to inform decision-making in relation to their retention or disposal.

The components were found to be the partial remnants of a number of individual fireplaces, with numerous associated elements such as grates, etc. The earliest of these include a later 18th – early 19th century hob-grate as well as a 19th century kitchen range and 19th century insert fireplaces; however but the bulk of the items were of fireplaces of likely early 20th century dating.

A record of the building recording (OASIS ID - addyman1-302937) will be deposited with the Online Access to the Index of Archaeological Investigations (OASIS) website hosted by the Archaeological Data Service and with *Discovery and Excavation in Scotland* (DES), the annual publication of fieldwork by Archaeology Scotland.

1. Introduction

In Edinburgh Castle a store of loose fireplace elements has built up over a number of years as they were removed from various parts of the castle buildings. In order to inform a decision on retention or disposal a catalogue of the elements was made and a basic identification of the parts with some indication of the significance.

The project was arranged through AOC Archaeology Group (contact Gretel Evans, Senior Conservator), carried out for Historic Environment Scotland. This cataloguing exercise was undertaken on the 14th of November 2017 by K. Macfadyen.

2. Methodology

The fireplace elements to be catalogued were stored in a vaulted chamber within Edinburgh Castle, mostly stacked on wooden pallets on the ground with a few loose bits in a pile. Each element was separated, laid out on the floor and individually photographed - front and rear and any significant details. Each photograph included a 0.50m scale and a photo board in frame with the site name, date and element ID number clearly marked. Basic measurements of each element were made as well as a written record of any identifying makers or model markings. Each element had a card tag with the ID number, this was tied securely onto the element.

Photography was undertaken with a Sony ILC-6000 Digital camera producing 24 MB Jpeg and Raw photography. The ID numbering continued from a sequence provided by AOC Archaeology, and ran from "E5659" to "E5702"

3. Results

The recorded fireplace elements are likely to range in date from the later 18th century to the early/mid-20th century with the bulk belonging to the later period. Most of the recorded elements were isolated parts of fires and as many of the parts i.e. grates/frets were interchangeable (and easily damaged in use and replaced) many of the elements could not be definitively grouped together as individual fireplaces.

i. 18th century/early 19th century

The earliest identifiable fireplace components in the group appear to be a near complete hob grate, E5676, this formed from a cast iron plate front, bolted and cramped together with plate metal to form the hobs. This was a combined fireplace and hobs (shelves) to stand kettles/pots or irons. These date from the 18th to the early 19th century; the present example is detailed with floral decoration to the sides.



Plate 1 hob grate E5676 front



Plate 2 hob grate E5676 rear

ii. 19th century fireplaces

a. Kitchen range

A large probable kitchen range formed from substantial and heavy plates of iron likely dated from the 19th century, the main part of this was numbered E5694 but loose parts E5693, E5692 and E5696 are most likely further parts of this range. The back plate of the range had a makers' plate "JAMES GREY & SON MAKERS EDINBURGH" this is likely James Grey and Son from 85 or 89 George St., Edinburgh, founded 1818 by James Grey and latterly succeeded by his son/s.



Plate 3 E5694 maker's plate



Plate 4 James Grey & Sons Edinburgh, 1852 Advert



Plate 5 kitchen range back E5694 (on its side)

b. Insert fireplaces

Within the collection there were three insert fireplaces of varying construction detail. These would have been set within a masonry fire surround with or without a timber fascia.

Insert *E5671* was formed from six major flat plates bolted and cramped together to form a splayed fire opening detailed with narrow bolection frame with simple floral moulding. The front is of cast iron but the sides may be plate. The fire-bars were securely cramped into the frame. There appears to be a repair visible on the rear of the cast front



Plate 6 fire insert E5671



Plate 7 fire insert E5671 rear showing construction

Insert *E5699* was formed in a single cast iron piece with a round topped opening with a decorative moulded surround. Tabs on the internal face show where fire bars would have been attached.



Plate 8 fire insert E5699 front



Plate 9 fire insert E5699 rear showing construction

Insert *E5702* was a further multi part cast iron/plate insert bolted and cramped together, this has an inner and outer moulded casting with the inner marked “*CARRON No3 14*” and likely for a 14” grate.



Plate 10 fire insert E5702 front



Plate 11 fire insert E5702 rear showing construction

c. Probable kitchen range front



Plate 12 range front E5677



Plate 13, range front E5677, rear

A substantial and heavy arched front *E5677* formed from thick heavy slabs of iron. It could be from a large and substantial kitchen range, a moulded detail was screwed around the opening but has been mostly lost.

d. Large open fires

Within the collection the partial remnants of 3 substantial decorative open fire surrounds were noted these likely from major rooms with large hearths and are of similar design.

Fires *E5666* and *E5670* are large 1m wide fire front/bars screwed and bolted together and formed from substantial pieces of iron. The front is bowed out and has moulded finials/feet. The surviving finish is heavily rusted.



Plate 14 fire front E5666



Plate 15 E5670 fire front

Both of the fire bar fronts *E5666* and *E5670* have very similar design features, with two square side uprights holding four substantial bowed out horizontal fire bars (3 alternating square and round and a

square top bar). On both, the side uprights have a ball finial on one end and an acorn finial on the other and two triangular details rising from the fire bars, these possibly indicating the bottom and 2 small acorn finials on the top bar. On the rear two hooks show where further structure was attached these point down to the triangular detailed bar side on *E5666* but point the other way up on *E5670*.

Although these are very similar it appears they have been assembled slightly differently with the side upright acorn and ball finials reversed and the bars arranged differently on either one.



Plate 16 fire front E5681

E5681 is also a large 1m wide fire front/bars similar to *E5661* and *E5670* which is also screwed and bolted together but with only three bars and three triangular details on the front rather than two. This one is also slightly more ornate than the others with part-turned side uprights and the finish in this case appeared to have been burnished. Again as with the others the arrangement is somewhat mixed with the placement of the acorn and ball finials and the alignment rear hook different.



Plate 17 E5681 detail of side upright showing hook on rear

All three of these likely had bolted curved support arms projecting out probably to hold supports, these arms survive on *E5666* but are missing on the others though the bolts to attach them survive *in situ*.

e. *Fire dogs (andiron)*

Within the collection three fire dogs were noted (*E5678*, *E5679* & *E5680*), these originally were pairs of bracket supports holding a fire basket or logs within a large fireplace. On all three the rear horizontal legs are lost, only the decorative front vertical element remaining. These surviving parts were formed in two cast parts - a hollow cast foot bolted onto a hollow cast turned finial



Plate 18 *E5679* fire dog front



Plate 19 *E5679* fire dog rear showing hollow casting

There were likely four (or more) of these originally forming two pairs, two of these had originally a polished/burnished finish and the third was heavily corroded. These finishes are comparable to the finishes on the large open fire bars *E5666* and *E5681* and are likely part of the same arrangement with fire dogs *E5679* and *E5680* part of *E5681* and *E5678* part of *E5666*. The fire dogs may even have been attached directly to the curved-out support arms although the method of attaching is not clear if that was the case.

e. *Fire fenders*

A large decorated fire fender *E5701* would have been positioned in front of a large fire in order to keep ash and cinders contained within the hearth area.



Plate 20 large fire fender E5701



Plate 21 fire fender E5701 detail of design

iii. 19th to Early/mid-20th C Fireplace accessories and assorted

Within the collection there were numerous fireplace accessories mostly relating to the use of smaller more recent fire place. Most of these are still manufactured today.

a. Grates

There were five flat grates noted within the collection of varying sizes and design. Some of these would have been built into/ slotted into a kitchen range or similar or built in fires.

E5669 was a small rectangular cast iron grate to fit into a small fire. Possibly a side fire in a kitchen range.

E5689 was a much larger rectangular 2' wide and 2cm thick grate, this has a number of bolt holes to attach it onto a larger structure, it is possible this relates to the kitchen range *E5694* or something similar.

E5690 was a part broken large grate with a splayed rear and side tabs to fit into a structure, possibly directly into masonry.

E5691 this was a complete grate with a splayed back and tabs to fit into a structure, possibly masonry. This is marked "N^o 27 KIN 16" FIRE" the same as *E5663* fret and likely to be part of the same fire.

E5698 was a simple splayed grate that has been altered to fit a wider splay with sheet metal riveted on to alter the splay.



Plate 22 E5669 small grate



Plate 23 E5689 large grate



Plate 24 E5690 tabbed grate



Plate 25 E5691 tabbed grate



Plate 26 E5698 altered grate

b. Stool grates

Four stool grates were recorded these would be free standing within the fireplace and set up on four integral legs, in use these were often damaged, easily replaced and interchangeable between fireplaces. All were marked with maker/ model or range and size, these were all for a 16" fireplace width.



Plate 27 E5659 stool grate underside



Plate 28 E5660 stool grate



Plate 29 E5661 stool grate underside



Plate 30 E5662 stool grate

E5659 a flat stool grate marked on the underside "*THE JOYCE 16*"; two slot holes on the front would be to fit a separate coal saver like *E5683*.

E5660 had a curved base and a raised front and was marked "*REL 16F*".

E5661 & *E5662* were identical with raised front and marked "*N^o 26 16F G*".

c. Coal saver/upstand

Two coal savers/upstands were recorded within the collection, these would be attached to the front of a grate to stop coals from falling out of the fire.



Plate 31 E5683 coal saver



Plate 32 E5688 coal saver

E5683 would fit into the two tab slots on the front of a Joyce grate similar to E4689.

E5688 was a cheaper clip-on coal saver made from thin metal plate.

d. Fire frets/ fire fronts

These sat in front of the grate covering the grate and ash pan and also controlled the air flow to the fire. These were mostly early to mid-20th century with some earlier ones.



Plate 33 E5684 fireplace fret



Plate 34 E5686 fireplace fret

E5684, E5686 & E5687 were bowed enameled frets of early to mid-20th C date.

E5685 was an art deco enameled bar front with removable ash pan cover.



Plate 35 E5687 fireplace fret



Plate 36 E5685 fireplace fret



Plate 37 E5695 fireplace fret



Plate 38 E5667 fireplace fret



Plate 39 E5697 fireplace fret



Plate 40 E5700 fireplace fret



Plate 41 E5663 fireplace fret

E5667 and *E5700* were bowed bar fronts that likely fitted into something like an insert fireplace fire.

E5697 was a bar front with a removable ash pan cover below, this cover is likely to be *E5665* as both are marked “P^L-36E 14F “so for a 14” fire. On the rear two hooks show where the front was attached to the fire behind.

E5663 was a bar front that had hooks on the rear to attach to a fire.

e. Ash pan



Plate 42 E5672 copper fronted ash pan



Plate 43 E5682 plain ash pan

These ash pans would sit beneath the grates to collect ash for easy disposal.

E5672 was notable for its beaten copper front which would have been visible and *E5682* was a plain pan that would sit behind a fret/fire front.

Very large possible ash pans *E5674* and *E5675* could have sat beneath large fires but no real heat damage in the thin metal can be seen as a large fire would leave behind, alternatively these are for some other function.



Plate 44 *E5674* large ash pan ?



Plate 45 *E5675* large ash pan ?

4. Discussion

From the collection of assorted fireplace elements the vast majority were identified with the majority of the material relating to relatively modern fires. The earliest identified was the largely complete hob grate *E5676* which likely dated from the later 18th to the early 19th century and of some significance. A large kitchen range probably dating from the mid- to later-19th century *E5694* was also of interest but will need an attempt at reassembling all the heavy parts.

The three cast iron insert fireplaces probably dated to the mid-19th century and three large decorative fire bars for large open fires may represent two 19th century fires *E5666* and *E5670* and a possible reproduction *E5681* replicating the basic design.

Apart from these much of the rest comprise early 20th century fire equipment, grates, frets and ash pans, most of these are of limited value (and are often still in production). A few of the frets/ fire bars, eg. *E5667* and *E5700*, may relate to insert fireplaces or similar and may be slightly earlier in date. Frets/fronts *E5697* and *E5663* hooked onto a fire rather than sat freestanding and also may be a little earlier.

Appendix A Fireplace element Register

Entry Number	Description	Measurement	Function /Markings	Photograph	Date
E5659	Stool grate, flat	15 inch front (38 cm), 27 cm deep and 8 cm high	"The Joyce 16"	001,002,003	14/11/17
E5660	Stool grate, curved profile	15 inch front (38cm) 26 cm deep. 11 cm high at rear and 13.5 cm at front	"REL 16 F "	004,005,006,007	14/11/17
E5661	Stool grate, flat base with raised front	15 inch front (38cm) 28 cm deep. 9 cm high at rear and 12.5 cm at front	" NO26 16 F <G>"	008,009,010,011	14/11/17
E5662	Stool grate, flat base with raised front	15 inch front (38cm) 28 cm deep. 9 cm high at rear and 12.5 cm at front	" NO26 16 F <G>"	012,013,014	14/11/17
E5663	Fire basket front	50 cm wide and 26 cm high with hooks on rear to attach to grate	" N ^o 27 16" FIRE"	015,016	14/11/17
E5664	Decorative plate, part of fret with thistle? Design flanked by 2 stars			017,018	14/11/17
E5665	Cast iron fret part/ash tray cover, central handle lost and broken into 2 parts, (part of E5697?)	36 cm by 9 cm	"Pl 36 E 14 F"	019/020	14/11/17
E5666	Large fire basket front, formerly bolted and hooked onto fire basket and framing behind	92 cm wide and 50 cm high, plus an extra 15 cm either side projecting out		021,022,023,024	14/11/17
E5667	Bowed fire basket front, part bolted together and formerly bolted onto fire grate	66 cm wide and 20 cm tall		025,026,027	14/11/17
E5668	Thin metal carcassing from fire	Approximately 97 x 7 x 3 cm		028,029	14/11/17
E5669	Flat rectangular fire grate	31x26x2 cm		030,031	14/11/17
E5670	Large fire basket front, formerly bolted and hooked onto fire basket and framing behind, same as E5666 but with less surviving decoration	92 cm wide and 50 cm high, plus an extra 15 cm either side projecting out		032,033,034,035	14/11/17
E5671	Cast iron insert fireplace. Riveted and cramped together	100 cm tall by 96.5 cm wide with space for a 15 inch grate		036,037,038	14/11/17
E5672	Ash pan, beaten copper fronted with 2 handles	46 cm by 9 cm front and 21 cm deep		039,040	14/11/17
E5673	Thin metal carcass metal piece	40 x 21.5 x 6 cm		041	14/11/17
E5674	Large metal tray, ash pan? With bowed front and applied metal moulding , riveted together	90 cm wide and 8 cm tall with a maximum depth of 66 cm		042,043,044	14/11/17
E5675	Large metal tray, ash pan? With bowed front and applied metal moulding, riveted together. Rear part steps in to fit between legs?	90 cm wide and 8 cm tall with a maximum depth of 66 cm		045,046,047,048	14/11/17
E5676	Hob grate, cast iron ,bolted and cramped together	86 x 53 x 30 cm deep		049,050,051,052,053	14/11/17
E5677	Heavy iron plate fire surround, with curved top	76.5 cm wide and 76 cm high at top		054,055	14/11/17

E5678	Cast iron fire dog, In 2 parts, lower legs hollow and bolted onto upper. To support a swan nest grate.	Surviving 54 cm high (upper part broken and missing some length), 22 cm wide at base		056,057	14/11/17
E5679	Cast iron fire dog, In 2 parts, lower legs hollow and bolted onto upper. To support a swan nest grate. Finish appears to have been polished silver	Full height of 61 cm , 22 cm wide at base		058,059	14/11/17
E5680	Cast iron fire dog, In 2 parts, lower legs hollow and bolted onto upper. To support a swan nest grate. Finish appears to have been polished silver. Upper part broken and appears to have been historically repaired and broken again	Full height of 61 cm , 22 cm wide at base		060,061	14/11/17
E5681	Large and heavy Polished steel fire front, formed from 3 horizontal bars with hooks and bolts to attach fire grate etc.	94 cm wide and 39 cm high		062,063,064	14/11/17
E5682	Ash pan with 3 simple feet	33 cm wide at front and 4.5 cm deep		065,066	14/11/17
E5683	Curved coal saver with tabs to attach to front of grate, likely a Joyce grate similar to E659	37 cm wide and 10 cm tall		067,068	14/11/17
E5684	Curved enamelled (lustrous finish) fireplace fret (early 20 th C)	35 cm wide x 14 cm high	"N ^o 189 14F"	069,070	14/11/17
E5685	Decorative enamelled fireplace fret (lustrous finish) (early 20 th C)	40 cm wide and 21 cm tall	"Joyce MKII"	071,072,073	14/11/17
E5686	Curved enamelled (cream finish) fireplace fret (early 20 th C)	40 cm wide x 14 cm tall	"KINGSLEIGH 16Z"	074,075	14/11/17
E5687	Curved enamelled (marbled ? finish) fireplace fret (early 20 th C)	40 cm wide x 14 cm tall	"N ^o 212 16F" "16 F .6" "N ^o A.I."	076,077,078,079,80	14/11/17
E5688	Curved clip on coal saver , riveted and welded metal, appears to clip onto a grate below	36 cm x 20 cm high		081,082	14/11/17
E5689	Large flat Rectangular fire grate, with a hole for a bolt either side	60 cm x 26 cm x 2.5 cm thick		083,084	14/11/17
E5690	Large flat tapered fire grate with tabs rear and sides , one tab broken away	50 cm x 23 cm		085,086	14/11/17
E5691	Flat fire grate with tabs, likely part of E5663 fire	39 cm x 24 cm	" N ^o 27 16" "FIRE"	087,088,089	14/11/17
E5692	Large flue dampener from large kitchen	97 cm x 28 cm		090	14/11/17

	<i>range (E5694?), riveted together</i>				
E5693	<i>Body of fire from large kitchen range (E5694?)</i>	<i>59 cm x 30 cm</i>		<i>091,092</i>	<i>14/11/17</i>
E5694	<i>Main body of large kitchen range, 2 sides and front piece</i>		<i>“James Grey and Sons Edinburgh)</i>	<i>093,094,095</i>	<i>14/11/17</i>
E5695	<i>Black painted fireplace fret</i>	<i>48 cm x 11 cm</i>	<i>“PATENT APPLIED FOR.52.16”</i> <i>“327”</i>	<i>096,097,098</i>	<i>14/11/17</i>
E5696	<i>Solid and heavy side pieces of large kitchen range E5694, bolted together to the hob</i>	<i>32 cm x 30 cm x 3.5 cm</i>		<i>099</i>	<i>14/11/17</i>
E5697	<i>Decorative fire fret, E5665 is likely part of this. With hooks to attach grate/ basket</i>	<i>42.5 cm x 27 cm plus finial</i>	<i>“Pl 36 E 14 F”</i> <i>“Rd No 222287”</i>	<i>100,101,102,103</i>	<i>14/11/17</i>
E5698	<i>Slightly curved tapered fire grate. This may have been modified to fit into a larger fire with extra plate metal riveted on to widen the rear of the grate</i>	<i>37 cm wide and 28 cm deep</i>		<i>104,105</i>	<i>14/11/17</i>
E5699	<i>Cast iron fire insert, arched opening with moulding around, painted black</i>	<i>89 cm tall and 70 cm wide with a 36 cm wide opening</i>		<i>106,107</i>	<i>14/11/17</i>
E5700	<i>Decorative fire fret?</i>			<i>108,109,110</i>	<i>14/11/17</i>
E5701	<i>Large decorative fender? From large fire riveted together</i>			<i>111,112,113</i>	<i>14/11/17</i>
E5702	<i>Cast iron fire insert, square opening with moulding around, painted black</i>	<i>92 cm tall x 78 cm wide with a 35 cm opening</i>	<i>“CARRON No3 14”</i>	<i>114,115,116</i>	<i>14/11/17</i>

Appendix B Photographic Register

Photo Number	Entry Number	Description	Date	Taken by
2313 ECHF (001)	E5659	Stool grate, flat	14/11/17	Kmacf
2313 ECHF (002)	E5659	Stool grate , rear with marking	14/11/17	Kmacf
2313 ECHF (003)	E5659	Stool grate , rear with marking	14/11/17	Kmacf
2313 ECHF (004)	E5660	Stool grate, curved profile	14/11/17	Kmacf
2313 ECHF (005)	E5660	Stool grate, curved profile	14/11/17	Kmacf
2313 ECHF (006)	E5660	Stool grate, curved profile. rear	14/11/17	Kmacf
2313 ECHF (007)	E5660	Stool grate, curved profile. rear	14/11/17	Kmacf
2313 ECHF (008)	E5661	Stool grate, flat with raised front	14/11/17	Kmacf
2313 ECHF (009)	E5661	Stool grate, flat with raised front	14/11/17	Kmacf
2313 ECHF (010)	E5661	Stool grate, flat with raised front. rear	14/11/17	Kmacf
2313 ECHF (011)	E5661	Stool grate, flat with raised front. rear	14/11/17	Kmacf
2313 ECHF (012)	E5662	Stool grate, flat with raised front	14/11/17	Kmacf
2313 ECHF (013)	E5662	Stool grate, flat with raised front	14/11/17	Kmacf
2313 ECHF (014)	E5662	Stool grate, flat with raised front. rear	14/11/17	Kmacf
2313 ECHF (015)	E5663	Fire basket front	14/11/17	Kmacf
2313 ECHF (016)	E5663	Fire basket front, rear	14/11/17	Kmacf
2313 ECHF (017)	E5664	Cast iron decorative plate front	14/11/17	Kmacf
2313 ECHF (018)	E5664	Cast iron decorative plate rear	14/11/17	Kmacf
2313 ECHF (019)	E5665	Cast iron fret/ ash tray cover front	14/11/17	Kmacf
2313 ECHF (020)	E5665	Cast iron fret/ ash tray cover rear	14/11/17	Kmacf
2313 ECHF (021)	E5666	Large fire basket front	14/11/17	Kmacf
2313 ECHF (022)	E5666	Large fire basket front	14/11/17	Kmacf
2313 ECHF (023)	E5666	Large fire basket front, rear	14/11/17	Kmacf
2313 ECHF (024)	E5666	Large fire basket front, rear	14/11/17	Kmacf
2313 ECHF (025)	E5667	Bowed fire basket front,	14/11/17	Kmacf
2313 ECHF (026)	E5667	Bowed fire basket front, rear	14/11/17	Kmacf
2313 ECHF (027)	E5667	Bowed fire basket front, detail of bolts	14/11/17	Kmacf
2313 ECHF (028)	E5668	Metal carcassing from fire	14/11/17	Kmacf
2313 ECHF (029)	E5668	Metal carcassing from fire, rear	14/11/17	Kmacf
2313 ECHF (030)	E5669	Flat rectangular fire grate	14/11/17	Kmacf
2313 ECHF (031)	E5669	Flat rectangular fire grate, rear	14/11/17	Kmacf
2313 ECHF (032)	E5670	Large fire basket front	14/11/17	Kmacf
2313 ECHF (033)	E5670	Large fire basket front	14/11/17	Kmacf
2313 ECHF (034)	E5670	Large fire basket front, rear	14/11/17	Kmacf
2313 ECHF (035)	E5670	Large fire basket front, detail of bolt and hook construction	14/11/17	Kmacf
2313 ECHF (036)	E5671	Iron insert fireplace square design, front	14/11/17	Kmacf
2313 ECHF (037)	E5671	Iron insert fireplace square design, rear	14/11/17	Kmacf
2313 ECHF (038)	E5671	Iron insert fireplace square design, rear detail of construction	14/11/17	Kmacf
2313 ECHF (039)	E5672	Ash pan with beaten copper front	14/11/17	Kmacf
2313 ECHF (040)	E5672	Ash pan with beaten copper front	14/11/17	Kmacf
2313 ECHF (041)	E5673	Carcass metal piece	14/11/17	Kmacf
2313 ECHF (042)	E5674	Large metal tray, possible ash pan	14/11/17	Kmacf
2313 ECHF (043)	E5674	Large metal tray, possible ash pan	14/11/17	Kmacf
2313 ECHF (044)	E5674	Large metal tray, possible ash pan, rear	14/11/17	Kmacf
2313 ECHF (045)	E5675	Large metal tray, possible ash pan	14/11/17	Kmacf
2313 ECHF (046)	E5675	Large metal tray, possible ash pan	14/11/17	Kmacf
2313 ECHF (047)	E5675	Large metal tray, possible ash pan, rear	14/11/17	Kmacf
2313 ECHF (048)	E5675	Large metal tray, possible ash pan, rear	14/11/17	Kmacf
2313 ECHF (049)	E5676	Hob grate front	14/11/17	Kmacf
2313 ECHF (050)	E5676	Hob grate front	14/11/17	Kmacf
2313 ECHF (051)	E5676	Hob grate front, detail of decoration	14/11/17	Kmacf
2313 ECHF (052)	E5676	Hob grate rear showing construction	14/11/17	Kmacf
2313 ECHF (053)	E5676	Hob grate rear showing construction	14/11/17	Kmacf
2313 ECHF (054)	E5677	Heavy iron plate fire surround	14/11/17	Kmacf
2313 ECHF (055)	E5677	Heavy iron plate fire surround, rear	14/11/17	Kmacf
2313 ECHF (056)	E5678	Cast iron decorative fire dog, front	14/11/17	Kmacf
2313 ECHF (057)	E5678	Cast iron decorative fire dog, rear	14/11/17	Kmacf
2313 ECHF (058)	E5679	Cast iron decorative fire dog, front	14/11/17	Kmacf
2313 ECHF (059)	E5679	Cast iron decorative fire dog, rear	14/11/17	Kmacf
2313 ECHF (060)	E5680	Cast iron decorative fire dog, front	14/11/17	Kmacf
2313 ECHF (061)	E5680	Cast iron decorative fire dog, rear	14/11/17	Kmacf
2313 ECHF (062)	E5681	Polished steel fire front	14/11/17	Kmacf
2313 ECHF (063)	E5681	Polished steel fire front, rear	14/11/17	Kmacf
2313 ECHF (064)	E5681	Polished steel fire front, detail of bolt and hooks	14/11/17	Kmacf
2313 ECHF (065)	E5682	Ash pan upper	14/11/17	Kmacf
2313 ECHF (066)	E5682	Ash pan base , shows feet	14/11/17	Kmacf
2313 ECHF (067)	E5683	Coal saver?	14/11/17	Kmacf

2313 ECHF (068)	E5683	Coal saver?	14/11/17	Kmacf
2313 ECHF (069)	E5684	Enamelled curved fireplace fret , front	14/11/17	Kmacf
2313 ECHF (070)	E5684	Enamelled curved fireplace fret , rear	14/11/17	Kmacf
2313 ECHF (071)	E5685	Enamelled decorative fireplace fret , front	14/11/17	Kmacf
2313 ECHF (072)	E5685	Enamelled decorative fireplace fret , rear	14/11/17	Kmacf
2313 ECHF (073)	E5685	Enamelled decorative fireplace fret , rear , detail of makers mark	14/11/17	Kmacf
2313 ECHF (074)	E5686	Enamelled curved fireplace fret , front	14/11/17	Kmacf
2313 ECHF (075)	E5686	Enamelled curved fireplace fret , rear	14/11/17	Kmacf
2313 ECHF (076)	E5687	Enamelled curved fireplace fret , rear	14/11/17	Kmacf
2313 ECHF (077)	E5687	Enamelled curved fireplace fret , rear	14/11/17	Kmacf
2313 ECHF (078)	E5687	Enamelled curved fireplace fret , rear, detail of makers marks	14/11/17	Kmacf
2313 ECHF (079)	E5687	Enamelled curved fireplace fret , rear, detail of makers marks	14/11/17	Kmacf
2313 ECHF (080)	E5687	Enamelled curved fireplace fret , rear, detail of makers marks	14/11/17	Kmacf
2313 ECHF (081)	E5688	Curved clip on coal saver	14/11/17	Kmacf
2313 ECHF (082)	E5688	Curved clip on coal saver, rear	14/11/17	Kmacf
2313 ECHF (083)	E5689	Large flat fire grate	14/11/17	Kmacf
2313 ECHF (084)	E5689	Large flat fire grate, rear	14/11/17	Kmacf
2313 ECHF (085)	E5690	Large flat tapered fire grate with tabs	14/11/17	Kmacf
2313 ECHF (086)	E5690	Large flat tapered fire grate with tabs, rear	14/11/17	Kmacf
2313 ECHF (087)	E5691	Large flat tapered fire grate with tabs	14/11/17	Kmacf
2313 ECHF (088)	E5691	Large flat tapered fire grate with tabs, rear	14/11/17	Kmacf
2313 ECHF (089)	E5691	Large flat tapered fire grate with tabs, rear, detail of maker mark	14/11/17	Kmacf
2313 ECHF (090)	E5692	Large sliding opening, flue dampener from large kitchen range	14/11/17	Kmacf
2313 ECHF (091)	E5693	Body of fire from large kitchen range	14/11/17	Kmacf
2313 ECHF (092)	E5693	Body of fire from large kitchen range	14/11/17	Kmacf
2313 ECHF (093)	E5694	Main body of large kitchen range	14/11/17	Kmacf
2313 ECHF (094)	E5694	Main body of large kitchen range	14/11/17	Kmacf
2313 ECHF (095)	E5694	Main body of large kitchen range, detail of maker mark	14/11/17	Kmacf
2313 ECHF (096)	E5695	Black painted fireplace fret	14/11/17	Kmacf
2313 ECHF (097)	E5695	Black painted fireplace fret , rear	14/11/17	Kmacf
2313 ECHF (098)	E5695	Black painted fireplace fret , rear, detail of maker marks	14/11/17	Kmacf
2313 ECHF (099)	E5696	Heavy side pieces of kitchen range E5694	14/11/17	Kmacf
2313 ECHF (100)	E5697	Decorative fire fret	14/11/17	Kmacf
2313 ECHF (101)	E5697	Decorative fire fret, rear	14/11/17	Kmacf
2313 ECHF (102)	E5697	Decorative fire fret, rear, detail of maker mark	14/11/17	Kmacf
2313 ECHF (103)	E5697	Decorative fire fret, rear, detail of maker mark	14/11/17	Kmacf
2313 ECHF (104)	E5698	Tapered fire grate that has been widened with plate metal	14/11/17	Kmacf
2313 ECHF (105)	E5698	Tapered fire grate that has been widened with plate metal, rear	14/11/17	Kmacf
2313 ECHF (106)	E5699	Cast iron fire insert with arched opening, rear	14/11/17	Kmacf
2313 ECHF (107)	E5699	Cast iron fire insert with arched opening	14/11/17	Kmacf
2313 ECHF (108)	E5700	Decorative fire fret	14/11/17	Kmacf
2313 ECHF (109)	E5700	Decorative fire fret, rear	14/11/17	Kmacf
2313 ECHF (110)	E5700	Decorative fire fret, rear, maker mark	14/11/17	Kmacf
2313 ECHF (111)	E5701	Large decorative fender? from large fire	14/11/17	Kmacf
2313 ECHF (112)	E5701	Large decorative fender? from large fire	14/11/17	Kmacf
2313 ECHF (113)	E5701	Large decorative fender? from large fire	14/11/17	Kmacf
2313 ECHF (114)	E5702	Cast iron fire insert with square opening, rear	14/11/17	Kmacf
2313 ECHF (115)	E5702	Cast iron fire insert with square opening, rear	14/11/17	Kmacf
2313 ECHF (116)	E5702	Cast iron fire insert with square opening, front	14/11/17	Kmacf
2313 ECHF (117)	-	General view of numbered cast iron elements after works	14/11/17	Kmacf

Appendix C Photographic contact sheets



2313 ECHF (001).... 2313 ECHF (002).... 2313 ECHF (003).... 2313 ECHF (004).... 2313 ECHF (005)....



2313 ECHF (006).... 2313 ECHF (007).... 2313 ECHF (008).... 2313 ECHF (009).... 2313 ECHF (010)....



2313 ECHF (011).... 2313 ECHF (012).... 2313 ECHF (013).... 2313 ECHF (014).... 2313 ECHF (015)....



2313 ECHF (016).... 2313 ECHF (017).... 2313 ECHF (018).... 2313 ECHF (019).... 2313 ECHF (020)....



2313 ECHF (021).... 2313 ECHF (022).... 2313 ECHF (023).... 2313 ECHF (024).... 2313 ECHF (025)....



2313 ECHF (026).... 2313 ECHF (027).... 2313 ECHF (028).... 2313 ECHF (029).... 2313 ECHF (030)....



2313 ECHF (031).... 2313 ECHF (032).... 2313 ECHF (033).... 2313 ECHF (034).... 2313 ECHF (035)....



2313 ECHF (036).... 2313 ECHF (037).... 2313 ECHF (038).... 2313 ECHF (039).... 2313 ECHF (040)....



2313 ECHF (041).... 2313 ECHF (042).... 2313 ECHF (043).... 2313 ECHF (044).... 2313 ECHF (045)....



2313 ECHF (046).... 2313 ECHF (047).... 2313 ECHF (048).... 2313 ECHF (049).... 2313 ECHF (050)....



2313 ECHF (051).... 2313 ECHF (052).... 2313 ECHF (053).... 2313 ECHF (054).... 2313 ECHF (055)....



2313 ECHF (056).... 2313 ECHF (057).... 2313 ECHF (058).... 2313 ECHF (059).... 2313 ECHF (060)....



2313 ECHF (061)....



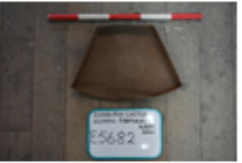
2313 ECHF (062)....



2313 ECHF (063)....



2313 ECHF (064)....



2313 ECHF (065)....



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2313 ECHF (067)....



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2313 ECHF (096).... 2313 ECHF (097).... 2313 ECHF (098).... 2313 ECHF (099).... 2313 ECHF (100)....



2313 ECHF (101).... 2313 ECHF (102).... 2313 ECHF (103).... 2313 ECHF (104).... 2313 ECHF (105)....



2313 ECHF (106).... 2313 ECHF (107).... 2313 ECHF (108).... 2313 ECHF (109).... 2313 ECHF (110)....



2313 ECHF (111).... 2313 ECHF (112).... 2313 ECHF (113).... 2313 ECHF (114).... 2313 ECHF (115)....



2313 ECHF (116).... 2313 ECHF (117)....