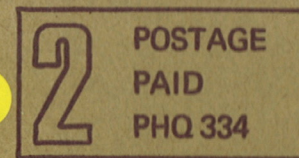


On Her Majesty's Service

WASC
1825



NEGATIVE COLLECTION
CATALOGUE and Index

WAHN

4 - drawer card cabinet
5⁴ x 3¹ cards

~~Item void~~

~~Original item transferred to 1749~~

WASC - 1825

• HN HISTORIC NEGS
CARD FILE

WASC
1824



WASC
1824



HN Nos.
SERIES

<p>JOHN SMEATON (PORTRAIT)</p>	<p>GUNCOTTON FACTORY FROM QUINTON HILL 1896</p>	<p>WASC 806/1a CHARCOAL BURNING - PIT METHOD</p> <p>Plate 24 from <u>A Diderot Pictorial Encyclopedia of Trades and Industry</u></p>
<p>ROGER BACON (c 1214-1292)</p>	<p>WASC 88 & 1240. NO 2 CAM HOUSE EXPLODED 2.35 AM 13th DECEMBER 1893</p>	<p>WASC 806/1b CHARCOAL BURNING - PIT METHOD</p> <p>Plate 25 from <u>A Diderot Pictorial Encyclopedia of Trades and Industry</u></p>
<p>WASC 1756/2 THOMAS FULLER S.T.D.AETAT :53.1661 From "History of the Worthies of England", 1662</p>	<p>WASC 918/3 LIBRARY/LECTURE THEATRE, ERDE NORTH SITE, 12.9.67 /Exterior view from SE with powderboat in foreground/ Neg made from print out of DoE Neg No G12007/7</p>	<p>WASC 1350. SANDHURST HOSPITAL (RGPF)</p>
<p>WASC 100 POWDERBARGE - ROYAL GUNPOWDER FACTORY - UNDER SAIL BY LOWER STORES</p>	<p>WASC 26. SIR WILLIAM CONGREVE, 2nd BARONET</p>	<p>REMOVAL OF RUNNERS: GROUP A MILLS 1898</p>

<p>HN 21</p> <p>NOTICE: THE PUNISHMENT FOR TAMPERING WITH THESE WORKS IS TRANSPORTATION</p> <p>Notice from South Mill Lock - The River Stort, near Bishop's Stortford.</p>	<p>HN 17</p> <p>MARGARET (EDGE CUMBE), d 1648, WIDOW OF SIR EDWARD DENNY (EFFIGY IN ABBEY BUT BURIED BISHOP STORTFORD)</p>	<p>HN 13</p> <p>WASC 878</p> <p>PIONEER OF CORDITE MANUFACTURE AT WALTHAM ABBEY, 1891</p>
<p>WASC 1200</p> <p>HN 22</p> <p>ELEANOR CROSS (WALTHAM CROSS)</p>	<p>HN 18</p> <p>SIR EDWARD DENNY I - MONUMENT IN THE ABBEY. d 1600</p>	<p>HN 14</p> <p>JOAN (CHAMPERNOWNE), WIDOW OF SIR ANTHONY DENNY, d 1553</p>
<p>WASC 884.</p> <p>HN 23</p> <p>POWDER MILL LANE, WALTHAM ABBEY (LATE 19th CENTURY?)</p>	<p>HN 19</p> <p>ROAD AND RAIL ACCESS TO PERME WALTHAM ABBEY ESSEX</p> <p>Map, June 1977</p>	<p>HN 15</p> <p>SIR ANTHONY DENNY, OB 15-19</p> <p>From the original of Holbein in the collection of the Earl of Radnor.</p>
<p>WASC 1203.</p> <p>HN 24</p> <p>POWDERMILL LANE - JUNCTION WITH HIGHBRIDGE STREET (LATE 19th CENTURY?)</p>	<p>WASC 139.</p> <p>HN 20</p> <p>DEMOLITION OF NO 3 GUNPOWDER MILL, SEPTEMBER 1936</p>	<p>HN 16</p> <p>EDWARD DENNY THE YOUNGER, NEPHEW OF SIR EDWARD. BURIED IN THE ABBEY 1637</p>

WASC 573. HN 33
EXPLOSION AT THE ROYAL GUNPOWDER FACTORY, 1843

HN 29
SPONTANEOUS EXPLOSIONS IN TWO MAGAZINES IN INDIA
1906-1907

Extract from Sir Robert Robertsons obituary notice.
Mentions value of Silvered Vessel Test, and report
on conditions of storage for cordite in hot
climates

WASC 879. HN 25
THE STREAM, POWDER MILL LANE, WALTHAM ABBEY
Old postcard

WASC 115/11 HN 34a-c
CONGREVE ROCKETS - LAUNCHING FROM BOATS
Negatives 34b/c are identical enlargements of one
boat from negative 34a.
From Details of the Rocket System 1814, plate 11.

WASC 1081 - HN 30
RESTORATION OF POWDER BOATS AT ERDE

WASC 880 HN 26
WALTHAM ABBEY, REFINERY BRIDGE AND ABBEY MARSHES
Old postcard

HN 35
THE MARTYRDOM OF ST CATHERINE
Engraving

WASC 51/7 HN 31a-b
UPRIGHT FOR MR WALTON'S POWDER MILL AT WALTHAM ABBEY
Drawing by John Smeaton (2 negs)

WASC 377 HN 27
THE POWDER MILLS, WALTHAM
Engraving from Walford's 'Greater London'.
Smaller negative at HN 39 composite.

WASC 115/12 HN 36
CONGREVE ROCKETS - LAUNCHING FROM FIRE SHIPS
From Details of the Rocket System, 1814, plate 12.

HN 32a-c
GUNPOWDER PLOT
Group drawing of conspirators, names shown (3negs)

HN 28
ENFIELD SMALL ARMS FACTORY
Group of three illustrations, one entitled "The Forges
and Hammers".
Engraving from Walford's 'Greater London'.
Smaller negative at HN 39 composite.

<p>WASC 1320</p> <p>HN 45</p> <p>SIR WILLIAM CONGREVE, BART</p> <p>From a painting by T Lonsdale, in the Royal Artillery Institution, Woolwich.</p> <p>Copied from 'Rise and Progress of British Explosives Industry', 1909.</p>	<p>WASC 1290</p> <p>HN 41</p> <p>ABEL, SIR FREDERIC, KCB, FRs</p> <p>From Brayley Hodgetts</p>	<p>1161 (WASC)</p> <p>HN 37</p> <p>JOINT TROPICAL RESEARCH UNIT, INNISFAIL</p> <p>Aerial photograph</p>
<p>WASC 514/2</p> <p>HN 46a-b</p> <p>COVERED BOAT - RGPF - WATHAM ABBEY</p> <p>Two negatives - one b on w, one w on b. Diagrammatic.</p>	<p>WASC 1756/1</p> <p>HN 42</p> <p>GUNPOWDER...</p> <p>Thomas Fuller, The Worthies of England, 1662</p>	<p>WASC 377</p> <p>HN 38</p> <p>POWDER MILLS, HOUNBLOW</p> <p>Engraving from Walford's 'Greater London'.</p>
<p>WASC 77</p> <p>POWDER BARRELS</p> <p>HN 47</p>	<p>WASC 1059</p> <p>HN 43</p> <p>INTERIOR OF THE GUN-COTTON FACTORY AT WALTHAM ABBEY</p> <p>The pulping and moulding room</p> <p>From <u>Sixty Years A Queen</u>, by H Maxwell</p> <p>See WASC 1059</p>	<p>WASC 377</p> <p>HN 39</p> <p>THE POWDER MILLS, WALTHAM, AND ENFIELD SMALL-ARMS FACTORY</p> <p>Engravings from Walford's 'Greater London'.</p> <p>Small duplicate of negatives HN 27 and HN 28.</p>
<p>WASC 521</p> <p>HN 48</p> <p>POWDERMILL LANE, WALTHAM ABBEY</p> <p>From 'Essex Countryside' articles (see WASC 521).</p> <p>View looking east to Abbey Church showing corner of Powdermill Lane.</p>	<p>WASC 1059</p> <p>HN 44</p> <p>WINDING CORDITE IN THE GOVERNMENT FACTORY</p> <p>From <u>Sixty Years a Queen</u>, by H Maxwell</p> <p>(See WASC 1059)</p>	<p>WASC 129</p> <p>HN 40</p> <p>COLONEL SIR FREDERIC L NATHAN, KNT - SUPERINTENDENT RGPF 1900-1909</p> <p>Portrait</p>

<p>WASC 1344</p> <p>LETTER TO JOHN TAMWORTH</p> <p>Manuscript address showing: 1560, Marco Antonio to Mr Tamworth.</p>	<p>WASC 1094</p> <p>GUNPOWDER INCORPORATION</p> <p>Negative chipped (glass)</p>	<p>CHARCOAL MILL SCALE DRAWINGS</p> <p>Smeaton's Mill.</p>
<p>WASC 1209</p> <p>SALTPETRE REFINERY - POWDER MILLS, WALTHAM ABBEY, 1861</p> <p>Copied from an original engraving held by the Waltham Abbey Historical Society.</p>	<p>WASC 506</p> <p>ERDE SENIOR STAFF. (1965)</p>	<p>WASC 1094</p> <p>GUNPOWDER MIXING HOUSE</p> <p>Interior view of works.</p>
<p>PETREL</p> <p>Three glass negatives showing a) Petrel Rocket, b) Petrel motor and c) section through motor.</p>	<p>457</p> <p>A POWDER BARGE</p> <p>Illustration from Strand Magazine 1895. (WASC 457, p313)</p>	<p>WASC 1094</p> <p>GRANULATION OF GUNPOWDER</p> <p>Interior view of works.</p>
<p>WASC 1163</p> <p>SKYLARK ROCKET</p> <p>Launch from gantry.</p>	<p>WASC 457</p> <p>INCORPORATING MILLS: EXTERIOR VIEW</p> <p>Shows hand truck on track.</p> <p>From <u>The Strand Magazine</u> /WASC 457/ Vol 9, 1895, p310</p>	<p>WASC 1094</p> <p>GLAZING OF GUNPOWDER</p> <p>Interior view of works.</p>

<p>WASC 459</p> <p>NITRATING SHOP</p> <p>From <u>The Navy and Army Illustrated</u>, Dec 30, 1899, page 406</p>	<p>HN 69</p>	<p>HN 65</p> <p>MAKING CHARCOAL</p> <p>From <u>The Strand Magazine</u> /WASC 457/, vol 9, 1895, page 309.</p>	<p>HN 61</p> <p>ROYAL GUNPOWDER FACTORY - GUNCOTTON SECTION, DECEMBER 12 1915</p> <p>Group photograph. Two identical glass negative.</p>
<p>HN 70</p> <p>FIVE-INCH GAUGE RAILWAY SHOWING APPROACH AND ACCESS TO MAGAZINES</p>	<p>WASC 459</p>	<p>HN 66</p> <p>A PLACID SCENE: WALTHAM LOCK - LOADED BOATS GOING DOWN STREAM</p> <p>From <u>The Navy and Army Illustrated</u>, Oct 14 1899, page 106</p>	<p>HN 62</p> <p>GENERAL ARRANGEMENT OF TYPICAL SOLID PROPELLANT ROCKET MOTOR</p> <p>Diagram.</p>
<p>HN 71</p> <p>ROYAL GUNPOWDER FACTORY - GC SECTION, 1943</p> <p>Group photograph.</p>	<p>402, see 392,</p>	<p>HN 67</p> <p>JOHN FARMER'S ENGRAVING OF WALTON'S POWDER MILLS 1735</p> <p>(Good reproduction large negative at WASC 402)</p>	<p>WASC 881,</p> <p>HN 63</p> <p>ROYAL GUNPOWDER FACTORY, WOMEN WORKERS, WORLD WAR I</p> <p>Two negatives produced from postcard at WASC 881/2, giving print at WASC 881/1.</p>
<p>HN 72</p> <p>RGPF Press House Workers 1914-18</p> <p>2 glass negatives.</p>	<p>WASC 459</p>	<p>HN 68</p> <p>POACHING MACHINE FOR "WASHING" GUN-COTTON</p> <p>From <u>The Navy and Army Illustrated</u>, Dec, 30 1899, page 406</p>	<p>HN 64</p> <p>THE SULPHUR REFINERY</p> <p>From <u>The Strand Magazine</u>, /WASC 457/, vol 9, 1895, page 308.</p>

GUNPOWDER HYDRAULIC PRESS

HN 81

AMBULANCE - ERDE

HN 77

Interior views, 1957 (3 negatives).

HN 73a-c

ACTIVITIES OF THE MATERIALS RESEARCH LABORATORIES
EXPLOSIVES RESEARCH AND DEVELOPMENT ESTABLISHMENT
WALTHAM 1963

3 glass negatives: a) List of items 1-8
b) Items 1-3) enlarged views
c) Items 4-8)

NITRO-GLYCERINE FACTORY

HN 82a-c

3 glass negs together showing layout of NG factory.

FIRE BRIGADE AND AMBULANCES - ERDE 1957

HN 78

MUNITIONERS, WALTHAM ABBEY, 1917

Group photograph - occasion of an outing.

WASC 924
Transport to and from
RGPF

HN 74

APPARATUS FOR REFINING SALTPETRE

HN 83

APPARATUS FOR BURNING CHARCOAL

HN 79

Plate II from Handbook of Gunpowder and Guncotton
by Major-General W H Wardell (see WASC 12)

SEWARDSTONE STREET, WALTHAM ABBEY

HN 75

(Early 20th century?)

GRANULATING MACHINE

HN 84

Plate VII from Handbook of Gunpowder and Guncotton
by Major-General W H Wardell.
(see WASC 12)

SULPHUR REFINING APPARATUS

HN 80

Plate III from Handbook of gunpowder and guncotton
by Major-General W H Wardell.
(see WASC 12)

HN 76

MICRO GLASSWARE EXHIBITION (HOPPIT HALL) 1957

Seven views (7 negs) of exhibition.

<p>Card 3 HN 91/1-44</p> <p>38 Visit to Surgery (on Dukes immediate right Sister Crosby and Dr Llewellyn)</p> <p>39/41 Visit to inert propellant press</p> <p>42/44 Departure in helicopter</p>	<p>WASC 1511 HN 89</p> <p>THE VALLEY OF THE LEA FROM EPPING FOREST</p>	<p>HN 85</p> <p>BREAKING DOWN MACHINE</p> <p>Plate V from <u>Handbook of Gunpowder and Guncotton</u> by Major-General W H Wardell. (see WASC 12)</p>
<p>WASC 459 HN 92</p> <p>GENTLE PERSUASION - CORDITE BEING FORCED INTO CORDS UNDER ENORMOUS PRESSURE</p> <p>From <u>The Navy and Army Illustrated</u> Jan 13 1900 p 434</p>	<p>WASC 1511 HN 90</p> <p>THE VALLEY OF THE LEA FROM EPPING FOREST</p> <p>1 negative sized for slide (unmounted).</p>	<p>WASC 999; 1000; 1001 HN 86</p> <p>'CORDWOOD' BEING PILED ON 'COAL-HEARTH' BEFORE BURNING/ESSEX CHARCOAL-BURNER (SAMUEL COLLARD) AND HIS HUT</p> <p>2 negs each with both pictures shown.</p>
<p>WASC 459 HN 93</p> <p>BLENDING -CORDITE! WINDING SIXTY STRANDS INTO ONE ROPE</p> <p>From <u>The Navy and Army Illustrated</u> Jan 13 1900 p 434</p>	<p>WASC 56 HN 91/1-44</p> <p>VISIT OF HRH DUKE OF GLOUCESTER TO PERME WALTHAM ABBEY, 5 OCTOBER 1978</p> <p>Set of colour negatives showing:</p> <p>1 Arrival from helicopter</p> <p>2/3 Duke with (L) Director (Dr Panton) and (R) Principal Supt (Mr G Adams)</p> <p>4 With (L-R) Director, Dr Beck (SE) and Mr Dingle (SPR)</p> <p>5 With Whitley Committee</p> <p>6/7 Unveiling of Memorial plaque - Director's Conference Room</p> <p>8 With Director in Library /cont</p>	<p>WASC 999; 1000 HN 87</p> <p>'CORDWOOD' BEING PILED ON 'COAL-HEARTH' BEFORE BURNING</p> <p>1 negative sized for slide (unmounted).</p>
<p>WASC 459 HN 94</p> <p>BAKING CORDITE - DRYING OUT THE ACETONE AT 100 DEG F</p> <p>From <u>The Navy and Army Illustrated</u> Jan 13 1900 p 435</p>	<p>Card 2 HN 91/1-44</p> <p>9/12 with Director and Mr McLaren (LS) at Museum</p> <p>13/20 visit to Engineering Machine Shop</p> <p>21 South Site Exhibition - Explosives Branch Display - foreground: Dr Bascombe</p> <p>22 Exhibition - with Dr Bell (SP1)</p> <p>23/24 Exhibition - with Dr Hollingsworth (SP2)</p> <p>25 Exhibition - with Dr Phillips of PR Branch</p> <p>26/27 Exhibition - with Mr Dingle (SPR)</p> <p>28 Exhibition - with Dr Sims of PR Branch</p> <p>29/32 Presentation of model powder boat made by PERME apprentices</p> <p>33/36 Inspection of fire services, with Mr Cole (ESO)</p> <p>37 Presentation of sleeping staff</p>	<p>WASC 999; 1000 HN 88</p> <p>ESSEX CHARCOAL-BURNER (SAMUEL COLLARD) AND HIS HUT</p> <p>1 negative sized for slide (unmounted).</p>

WASC 457

HN 102

"ANY MATCHES"

From The Strand Magazine, vol 9 1895 p 307

WASC 457

HN 99

THE PRESS-HOUSE, SHOWING "TRAVERSE"

From The Strand Magazine, vol 9 1895 p 311

WASC 459

HN 95

A NITRO-GLYCERINE LIFT - SHOWING EARTH BANKS ROUND
NG HOUSE

From The Navy and Army Illustrated Jan 13 1900 p 435

WASC 457 / 17

HN 103

INCORPORATING MILLS: INTERIOR

From The Strand Magazine, vol 9 1895 p 310

HN 100
RESERVED
FOR
WASC 4

WASC 412

HN 96

WHERE NITRO-GLYCERINE IS MADE - THIS BUILDING ONCE
BLEW UP WITH TERRIBLE RESULTS

From Penny Pictorial, vol 3 no 35, 3 Feb 1900 p 420

WASC 457

HN 104

STARTING THE INCORPORATING MILL

From The Strand Magazine, vol 9 1895 p 311

HN 100
DRAYSON, F
Treatise on gunpowder...

2 microfilms of complete work
(HN 100 B1/2), 8 selected
negatives (HN 100 - 3....)

WASC 4

WASC 457

HN 97

"TEN-STRANDING"

From The Strand Magazine, vol 9 1895 p 317

WASC 457

HN 105

THE MOULDING-ROOM

From The Strand Magazine, vol 9 1895 p 312

HN 101
RESERVED
FOR
WASC 4

WASC 457

HN 98

THE NITRO-GLYCERINE WORKS

From The Strand Magazine, vol 9 1895 p 317

<p>WASC 459</p> <p>HN 114</p> <p>MOULDING GUN-COTTON DISCS</p> <p>From <u>The Navy and Army Illustrated</u> Dec 30 1899 p 406</p>	<p>HN 110/1-4</p> <p>CORDITE BALANCE</p> <p>Four views, with scale.</p> <p>(The balance itself may be seen at WASC 323)</p>	<p>WASC 457</p> <p>HN 106</p> <p>INTERIOR OF THE HOSPITAL</p> <p>From <u>The Strand Magazine</u>, vol 9 1895 p 313</p>
<p>WASC 457</p> <p>HN 115</p> <p>THE CORDITE PRESS-HOUSE</p> <p>From <u>The Strand Magazine</u>, vol 9, 1895 p 316</p>	<p>WASC 457</p> <p>HN 111</p> <p>THE POND AFTER AN EXPLOSION</p> <p>From <u>The Strand Magazine</u>, vol 9 1895 p 318</p>	<p>WASC 457</p> <p>HN 107</p> <p>THE WEIGHING AND DRYING ROOM</p> <p>From <u>The Strand Magazine</u>, vol 9 1895 p 314</p>
<p>WASC 457</p> <p>HN 116</p> <p>THE WOOD STACKS</p> <p>From <u>The Strand Magazine</u>, vol 9, 1895 p 309</p>	<p>WASC 457</p> <p>HN 112</p> <p>THE SETTLING POND</p> <p>From <u>The Strand Magazine</u>, vol 9 1895 p 318</p>	<p>WASC 457</p> <p>HN 108</p> <p>THE DIPPING TANKS</p> <p>From <u>The Strand Magazine</u>, vol 9 1895 p 315</p>
<p>WASC 457</p> <p>HN 117</p> <p>PICKING COTTON FOR CORDITE</p> <p>From <u>The Strand Magazine</u>, Vol 9, 1895 p 314</p>	<p>WASC 459</p> <p>HN 113</p> <p>A DANGER BUILDING - A PROCESS IN THE MANUFACTURE OF NG</p> <p>From <u>The Navy and Army Illustrated</u> Jan 13 1900 p 435</p>	<p>WASC 457</p> <p>HN 109</p> <p>THE BOILING VATS</p> <p>From <u>The Strand Magazine</u>, vol 9 1895 p 316</p>

<p>WASC 1211</p> <p>HN 126/1-6</p> <p>SUNDIAL</p> <p>Four negatives, two showing whole of sundial by Walton House, two showing millstone base. Taken March 1978.</p>	<p>WASC 459</p> <p>HN 122</p> <p>MIXING ACIDS BY COMPRESSED AIR</p> <p>From <u>The Navy and Army Illustrated</u> Dec 30 1899, p 405</p>	<p>WASC 459</p> <p>HN 118</p> <p>BEFORE AND AFTER INCORPORATION - TWO CHARGES OF CORDITE, ONE OF WHICH CONSISTS MERELY OF NG AND GUN-COTTON, THE OTHER BEING A MIXTURE OF NG, GUNCOTTON, ACETONE AND VASELINE</p> <p>From <u>The Navy and Army Illustrated</u> Jan 13 1900, p 434</p>
<p>WASC 1212</p> <p>HN 127/1-4</p> <p>POWDERMILL LANE - NO 9 BDLGS. MARCH 1978 (WITH CLUB AND POLICE LODGE)</p> <p>Views (4 negs) from east showing (L-R) Admin Bdlg, club premises, police lodge.</p>	<p>WASC 1050</p> <p>HN 123</p> <p>ST. BARBARA</p> <p>Photograph of casting presented to Dr. P Collins of PERME (WA) at ICT Conference, 1979.</p>	<p>WASC 457</p> <p>HN 119</p> <p>THE COOLING TANKS</p> <p>From <u>The Strand Magazine</u>, Vol 9, 1895, p 315</p>
<p>WASC 459</p> <p>HN 128</p> <p>THE GENESIS OF GUN-COTTON: THE ACID MIXING SHED</p> <p>From <u>The Navy and Army Illustrated</u>, Dec 30, 1899, p 405</p>	<p>WASC 1272</p> <p>HN 124/1-4</p> <p>LIBRARY, PROPELLANTS, EXPLOSIVES AND ROCKET MOTOR ESTABLISHMENT (WALTHAM ABBEY, NORTH SITE): BUILDING A201 - CEILING</p> <p>Four views taken March 1978, showing beam construction of roof of old building, previously a gunpowder mixing house.</p>	<p>WASC 459</p> <p>HN 120</p> <p>A SILENT GIANT: MACHINE FOR PRESSING GUN-COTTON DISCS</p> <p>From <u>The Navy and Army Illustrated</u> Dec 30 1899, p 407</p>
<p>WASC 459</p> <p>HN 129</p> <p>A STUDY IN THE COTTON-PICKING ROOM</p> <p>From <u>The Navy and Army Illustrated</u>, Dec 30, 1899, p 405</p>	<p>WASC 1271</p> <p>HN 125/1-7</p> <p>LIBRARY, PROPELLANTS, EXPLOSIVES AND ROCKET MOTOR ESTABLISHMENT, WALTHAM ABBEY (NORTH SITE): BUILDINGS A201-2</p> <p>Four views from east, three from west across Mill Head Stream. Photographed March 1978.</p> <p>Building A201 previously a gunpowder mixing house. Building A202 previously a saltpetre/sulphur mill.</p>	<p>WASC 459</p> <p>HN 121</p> <p>OVEN FOR DRYING COTTON</p> <p>The cotton passes into the oven on the right of the picture.</p> <p>From <u>The Navy and Army Illustrated</u>, Dec 30 1899, p 405</p>

<p>HN 138</p> <p>1346 CRECY BOMBARD</p> <p>From A W Wilson <u>The Story of the Gun</u> 4th ed, 1976, p 3</p>	<p>WASC 459</p> <p>HN 134</p> <p>LIEUTENANT W B ANLEY, RA, OFFICER IN CHARGE OF DANGER BUILDINGS, WALTHAM</p> <p>Portrait</p> <p>From <u>The Navy and Army Illustrated</u>, Oct 14, 1899, p 105</p>	<p>WASC 459</p> <p>HN 130</p> <p>SPECIMENS OF CORDITE AND PRIMERS</p> <p>From <u>The Navy and Army Illustrated</u>, Oct 11, 1899, p 107</p>
<p>HN 139 a/b</p> <p>EXPLOSION AT THE ROYAL POWDER MILLS, 1801</p> <p>Royal Society report, 23 July 1801 - 2 pages, shown negative (HN 139a - 2 negs) and positive (HN 139b).</p> <p>See also HN 222</p>	<p>WASC 459</p> <p>HN 135</p> <p>MAJOR F L NATHAN, R A, ASSISTANT SUPERINTENDENT OF POWDER FACTORY</p> <p>Portrait</p> <p>From <u>The Navy and Army Illustrated</u>, Oct 14, 1899, p 105</p>	<p>WASC 459</p> <p>HN 131</p> <p>"THE CRATER OF THE VOLCANO" - SHOWING PULVERISED BRICK AND STONE</p> <p>Nitroglycerine house explosion, May 1894.</p> <p>From <u>The Navy and Army Illustrated</u>, Jan 13, 1900, p 435</p>
<p>HN 140 a/b</p> <p>PARISH REGISTER, WALTHAM HOLY CROSS, 1653-1686</p> <p>Entries for August to November 1665, shown full page (Neg HN 140a) and enlargement of burials for October, showing Powdermills workers.</p>	<p>WASC 1221</p> <p>HN 136 a/b/c</p> <p>PARISH REGISTER, WALTHAM HOLY CROSS, 1653-1686</p> <p>Entries for October/November 1665; shown full page (Neg HN 136a) and enlargement (Neg HN 136b) showing entries for burials of Powdermills workers.</p> <p>2 negs per view, plus one composite of Oct. 1665 date and entries from William Davis to Edward Peacock (Neg HN 136c).</p>	<p>WASC 459</p> <p>HN 132</p> <p>A RUINED NG HOUSE - SHOWING A PARTIALLY DESTROYED HOUSE</p> <p>From <u>The Navy and Army Illustrated</u>, Jan 13, 1900, p 435</p>
<p>WASC 1427</p> <p>HN 141</p> <p>GUNCOTTON WORKERS, FRONTED BY CARBOY OF ACID, LATE 19th CENTURY</p>	<p>WASC 14</p> <p>HN 137</p> <p>ENGLISH STAMP MILL IN THE SIXTEENTH CENTURY</p> <p>From E A Brayley-Hodgetts <u>Rise and Progress...</u> 1909, p 17, fig 5.</p>	<p>WASC 459</p> <p>HN 133</p> <p>LANDING ACETONE ON ARRIVAL AT FACTORY</p> <p>From <u>The Navy and Army Illustrated</u>, Oct 14, 1899, p 107</p>

WASC 1095

HN 150

MILLHEAD STREAM (RGPF) WITH POWDERBOAT, c. 1890.

From J.T.A. Burton collection of photographs.

WASC 494

HN 146

POWDER MILLS, WALTHAM ABBEY, 1808

WASC 1218

HN 142

STOKERS, RGPF, c1900

WASC 1217

HN 151

MILLHEAD STREAM (RGPF) FROZEN IN WINTER

From J. T. A. Burton collection of photographs.

WASC 927

HN 147

THE LONG WALK, RGPF, c. 1896-1905

WASC 1424

HN 143

OPERATOR OF GUNPOWDER INCORPORATING MILL, 1895,
WEARING A SUIT OF LASTING

WASC 142
ELEANOR CROSS

HN 152

WASC 105

HN 148

POWDERMILL LANE - ENTRANCE TO ROPF SHOWING

WDC OFFICER CONSTABLE FROST.

WASC 930

HN 144

VIEW LOOKING EAST FROM BARGE RIVER BRIDGE, HIGHBRIDGE STREET, TOWARDS WALTHAM ABBEY, c1896

WASC 64 & 421 § 1071, § 1090.

HN 153

300 YEARS OF HISTORY... POWDER MILLS - RGPf-ERDE

Display of literature given at Chief Scientist's Conference & Exhibition, 1966.

WASC 1583

HN 149

VIEW OF THE GUNPOWDER MILLS AT WALTHAM ABBEY, AS THEY
APPEARED IN 1735

From The Saturday Magazine 14(422), January 1839 (suppt)
p33

WASC 1600

HN 1145

THE TURNHAM FAMILY, COOPER AT THE RSPF, c. 1887.

<p>WASC 1003 HN 162</p> <p>GENERAL VIEW AT THE BASE OF THE AMMONIA CONVERTERS</p> <p>From <u>The Industrial Chemist</u> August 1948 p 541</p>	<p>WASC 1003 HN 158</p> <p>BASE OF NITRIC ACID CONCENTRATION TOWER</p> <p>From <u>The Industrial Chemist</u> August 1948 p 543</p>	<p>WASC 1003 HN 154</p> <p>CONVERTER PLATFORM OF THE FORMALDEHYDE PLANT</p> <p>From <u>The Industrial Chemist</u> July 1948 p 531</p>
<p>WASC 1003 HN 163</p> <p>A CONTINUOUS NITRATOR FOR RDX</p> <p>From <u>The Industrial Chemist</u> September 1948 p 595</p>	<p>WASC 1003 HN 159</p> <p>HEXAMINE CONDENSER AND EVAPORATOR</p> <p>From <u>The Industrial Chemist</u> August 1948 p 534</p>	<p>WASC 1003 HN 155</p> <p>NITROUS GASES FLOW DIAGRAM SHOWING GENERAL ARRANGEMENT OF FUME MAINS</p> <p>From <u>The Industrial Chemist</u> August 1948 p 536</p>
<p>WASC 1003 HN 164</p> <p>DILUTOR WITH CONTROL PANEL IN THE BACKGROUND</p> <p>From <u>The Industrial Chemist</u> September 1948 p 597</p>	<p>WASC 1003 HN 160</p> <p>THE HEXAMINE DRIER</p> <p>From <u>The Industrial Chemist</u> August 1948 p 535</p>	<p>WASC 1003 HN 156</p> <p>FUME ABSORPTION PLANT</p> <p>From <u>The Industrial Chemist</u> August 1948 p 537</p>
<p>WASC 1003 HN 165</p> <p>RDX BOILING VATS</p> <p>From <u>The Industrial Chemist</u> September 1948 p 598</p>	<p>WASC 1003 HN 161</p> <p>A VIEW OF ONE OF THE RDX "CLEANWAYS"</p> <p>From <u>The Industrial Chemist</u> September 1948 p 593</p>	<p>WASC 1003 HN 157</p> <p>VIEW OF THE TOP OF THE AMMONIA CONVERTERS</p> <p>From <u>The Industrial Chemist</u> August 1948 p 542</p>

WASC 459

HN 174

THE WALTHAM UNIFORM, SHOWING BOOTS USED IN BUILDINGS

From The Navy and Army Illustrated Oct 14 1899 p 106

WASC 412

HN 170

A TEDIOUS OCCUPATION: WOMEN PICKING THE COTTON WASTE USED FOR GUN COTTON

From The Penny Pictorial Magazine Vol 3 No 35
3 Feb 1900 p 416

WASC 1003

HN 166

AN INTERIOR VIEW OF THE CLASSIFIER FILTER

From The Industrial Chemist September 1948 p 600

WASC 459

HN 175

A MACHINE IN ITS TIME PLAYS MANY PARTS - BAKER'S DOUGH INCORPORATOR USED FOR CORDITE MIXING

From The Navy and Army Illustrated Jan 13 1900 p 434

WASC 412

HN 171

DEADLY LIQUIDS - A YARD FULL OF ACIDS FOR MAKING EXPLOSIVES

From The Penny Pictorial Magazine Vol 3 No 35,
3 Feb 1900 p 419

WASC 412

HN 167

THE GUN-COTTON DIPPING HOUSE FULL OF COOLING JARS

From The Penny Pictorial Magazine Vol 3 No 35
3 Feb 1900 p 415

WASC 412

HN 172

A REELING MACHINE - WINDING THE EXPLOSIVE CORDITE THREAD

From The Penny Pictorial Magazine Vol 3 No 35,
3 Feb 1900 p 417

WASC 412

HN 168

COTTON WASTE READY TO BE MADE INTO GUN-COTTON

From The Penny Pictorial Magazine Vol 3 No 35
3 Feb 1800 p 420

WASC 459

HN 173

"ANY MATCHES OR KEYS?"

From The Navy and Army Illustrated, Oct 14 1899 p 105

WASC 412

HN 169

THE PRESSING HOUSE

From The Penny Pictorial Magazine Vol 3 No 35
3 Feb 1900 p 419

WASC 1068
(1063)
176 - 177
CARDS MISSING
J.P.
27/7/83
No all accounted for
Navy & Army?
A self Handed TO BE CHECKED

<div>HN 186</div> <div>HEATS OF COMBUSTION OF HYDRIDES WITH OXYGEN</div> <div>Chart</div>	<div>HN 182</div> <div>THE ENTHALPY-CONVERSION FACTOR</div> <div>Chart</div>	<div>HN 178</div> <div>T HE BURGLARY AT THE ORDNANCE POWDER-WORKS AT WALTHAM</div> <div>3 glass negatives of textual account, date unknown.</div>
<div>HN 187</div> <div>SPECIFIC IMPULSE, Isp, OF LIQUID Bi-PROPELLANTS; Pc = 20 atm (AND 40 atm)</div> <div>Chart</div>	<div>HN 183</div> <div>SPECIFIC IMPULSE OF HYDROGEN GAS</div> <div>Chart</div>	<div>HN 179</div> <div>WASC 459</div> <div>HEADQUARTERS OF THE STAFF, WALTHAM</div> <div>From <u>The Navy and Army Illustrated</u> Oct 14 1899 p 105</div>
<div>HN 188</div> <div>WASC 995</div> <div>COAT OF ARMS OF JOHN WALTON ESQ, SECOND SON OF WILLIAM WALTON OF SURREY</div>	<div>HN 184</div> <div>OPTIMUM CALCULATED SPECIFIC IMPULSE, Isp, OF LIQUID Bi-PROPELLANTS, ETC.</div> <div>Chart</div>	<div>HN 180</div> <div>WASC 459</div> <div>A SELF-PLANTED SHRUBBERY - BRICK TRAVERSE SEPARATING MIXING HOUSE FROM OTHER BUILDINGS ON LOWER ISLAND</div> <div>From <u>The Navy and Army Illustrated</u>, Oct 14 1899 p 106</div>
<div>HN 189</div> <div>WASC 675.</div> <div>THE CATTLE MARKET, WALTHAM ABBEY</div>	<div>HN 185</div> <div>HEATS OF COMBUSTION OF LIGHT ELEMENTS WITH OXYGEN</div> <div>Chart</div>	<div>HN 181</div> <div>IDEAL SPACECRAFT VELOCITIES</div> <div>Chart</div>

<p>HN 198a-c</p> <p>ESTABLISHMENT OF OFFICERS FOR CARRYING ON THE POWDER WORKS AT FAVERSHAM, 1759</p> <p>List of posts, with wages.</p> <p>3 negs, overlapping details.</p>	<p>WASC 465</p> <p>HN 194</p> <p>ARMS OF THE ORDNANCE BOARD</p>	<p>HN 190</p> <p>ROGER BACON</p>
<p>WASC 1204</p> <p>HN 199</p> <p>HIGHBRIDGE STREET, WALTHAM ABBEY</p> <p>View East to Abbey Church</p>	<p>WASC 1102</p> <p>HN 195</p> <p>WALTHAM ABBEY, 1783</p> <p>Engraving</p>	<p>WASC 1103</p> <p>HN 191</p> <p>VIEW OF THE OFFICES OF THE ROYAL GUNPOWDER MILLS, WALTHAM ABBEY, DRAWN BY J BELL IN THE YEAR 1851</p>
<p>WASC 1214</p> <p>HN 200</p> <p>REAR VIEW OF OFFICERS OLD QUARTERS, RGPF, WALTHAM ABBEY</p> <p>Drawing by William Street, August 1892. (1892).</p>	<p>WASC 1304</p> <p>HN 196</p> <p>WOMEN'S HOME GUARD, RGPF, ATTACHED 56th ESSEX TROOP, (1944?)</p> <p>Front Row, L-R: Hilda Boocock, Mrs Baring, Margaret Tester, Queenie Lane; Back Row, L-R: Alice Butler, Grace Arnold, Eileen Hyde, -, -, Joyce Hobbs.</p>	<p>HN 192</p> <p>THE WELSH HARP AND WALTHAM ABBEY, ESSEX</p>
<p>WASC 133</p> <p>HN 201</p> <p>P G KNAPMAN ESQ, MBE, BSC, FRIC, SUPT RGPF 1939-1943 ADOF 1944-1950</p> <p>Portrait</p>	<p>HN 197</p> <p>THE MAIN STEPS IN PROFILE CONSTRUCTION AND MAINTENANCE</p> <p>From <u>Chemistry and Industry</u>, Sept 7, 1968</p> <p>Diagram.</p>	<p>HN 193</p> <p>POWDER MILL AT HOOK'S MARSH BRIDGE, ESSEX</p> <p>Text relating to Ralph Hudson's 'illegal' erection of powder mill.</p>

<p>HORSE MILL FOUNDATIONS</p> <p>Five views</p>	<p>HN 210 a-e</p>	<p>WASC 457</p> <p>ENTERING A DANGER BUILDING</p> <p>From <u>The Strand Magazine</u> Vol 9 1895 p 312</p>	<p>HN 206</p>	<p>WASC 123</p> <p>LT GENERAL C W YOUNGHUSBAND C B, SUPERINTENDENT RGPF 1863-1875</p> <p>Portrait</p>	<p>HN 202</p>
<p>CENTRAL STORES DURING DEMOLITION</p>	<p>HN 211</p>	<p>WASC 702.</p> <p>DU PONT COMPANY'S POWDER MILLS ON BRANDYWINE CREEK, DRAWN BY PEIRRE GENTIEU, POWDERMAN, IN 1878</p>	<p>HN 207</p>	<p>WASC 124</p> <p>LT GENERAL SIR ROBERT J HAY KCB, SUPERINTENDENT RGPF 1875-1880</p> <p>Portrait (2 negs, one without printed caption)</p>	<p>HN 203</p>
<p>WASC 927 927-931.</p> <p>CHARCOAL MILLS AND JOHN WALTON'S SUNDIAL, SURROUNDED BY WOOLWICH INFANTS SHOT</p>	<p>HN 212</p>	<p>WASC 457</p> <p>MIXING CORDITE DOUGH</p> <p>From <u>The Strand Magazine</u> vol 9 1895 p 307</p>	<p>HN 208</p>	<p>WASC 457</p> <p>STRAND MAGAZINE 1895</p> <p>Volume IX, January to June 1895, front cover and pages 307-318 only.</p> <p>HN 204a - front cover; HN 204b-m are each full pages carrying illustrations held separately at: b) HN 102, c) HN 64 + HN 205, d) HN 116 + HN 65, e) HN 56 + HN 103, f) HN 104 + HN 99, g) HN 206 + HN 105, h) HN 55 + HN 106, i) HN 117 + HN 107, j) HN 108 + HN 119, k) HN 109 + HN 115, l) HN 98, HN 208, HN 97 m) HN 112 + HN 111.</p>	<p>HN 204a-m</p>
<p>WASC 674.</p> <p>THE RUINS OF THE LAST PAIR OF RGPF MILLS, 1956</p> <p>Two identical negs, and one positive.</p>	<p>HN 213</p>	<p>WASC 559</p> <p>LIEUTENANT GENERAL SIR WILLIAM CONGREVE</p> <p>Portrait</p> <p>2 negatives 1 B/W 1 Colour</p>	<p>HN 209</p>	<p>WASC 457</p> <p>THE SALTPETRE REFINERY</p> <p>From <u>The Strand Magazine</u>, vol 9 1895 p 308</p> <p>One glass, one film negative</p>	<p>HN 205</p>

<p>WASC 1006</p> <p>HN 222</p> <p>REPORT BY COMMITTEE FROM ROYAL SOCIETY ON 1801 EXPLOSION, WALTHAM ABBEY, DATED JULY 23, 1801</p> <p>From Royal Gunpowder Factory <u>Entry Book of In Letters</u> <u>vol 8, 1801 June 8 - 1803 Dec 30</u> (PRO Supply 5/195)</p> <p>See also HN 139</p>	<p>WASC 806/1e</p> <p>HN 218</p> <p>GUNPOWDER II</p> <p>Plate 155 from <u>A Diderot Pictorial Encyclopedia of</u> <u>Trades and Industry</u></p>	<p>WASC 806/1a</p> <p>HN 214</p> <p>CHARCOAL I</p> <p>Plate 24 from <u>A Diderot Pictorial Encyclopedia of Trade</u> <u>and Industry</u></p>
<p>WASC 1007</p> <p>HN 223</p> <p>LETTER "NO 10", DATED FAVERSHAM 18 NOVEMBER 1787</p> <p>From Royal Gunpowder Factory <u>Entry Book of In Letters</u> <u>vol 1, 1787 Oct 15 - 1789 Mar 15</u> (PRO Supply 5/188)</p>	<p>WASC 806/1f</p> <p>HN 219</p> <p>GUNPOWDER III</p> <p>Plate 156 from <u>A Diderot Pictorial Encyclopedia of</u> <u>Trades and Industry</u></p>	<p>WASC 806/1b</p> <p>HN 215</p> <p>CHARCOAL II</p> <p>Plate 25 from <u>A Diderot Pictorial Encyclopedia of</u> <u>Trades and Industry</u></p>
<p>WASC 1008</p> <p>HN 224a/b</p> <p>ESTABLISHMENT OF OFFICERS AT THE ROYAL POWDER MILLS AT WALTHAM ABBEY</p> <p>From Royal Gunpowder Factory <u>Entry Book of In Letters</u> <u>vol 1, 1787 Oct 25 - 1789 Mar 15</u> (PRO Supply 5/188)</p> <p>2 pages (Negs a & b)</p>	<p>WASC 806/1g</p> <p>HN 220</p> <p>GUNPOWDER IV</p> <p>Plate 157 from <u>A Diderot Pictorial Encyclopedia of</u> <u>Trades and Industry</u></p>	<p>WASC 806/1c</p> <p>HN 216</p> <p>SULPHUR</p> <p>Plate 150 from <u>A Diderot Pictorial Encyclopedia of</u> <u>Trades and Industry</u></p>
<p>WASC 1009</p> <p>HN 225a/b</p> <p>ESTABLISHMENT OF OFFICERS AT THE ROYAL POWDER MILLS AT WALTHAM ABBEY, SIGNED BY RICHMOND, MASTER GENERAL, 16 FEBRUARY 1789</p> <p>From Royal Gunpowder <u>Factory Entry Book of In Letters</u> <u>vol 1, 1787 Oct 25 - 1789 Mar 15</u> (PRO Supply 5/188)</p> <p>2 pages (Negs a & b)</p>	<p>WASC 806/1h</p> <p>HN 221</p> <p>GUNPOWDER V</p> <p>Plate 158 from <u>A Diderot Pictoria Encyclopedia of</u> <u>Trades and Industry</u></p>	<p>WASC 806/1d</p> <p>HN 217</p> <p>GUNPOWDER I</p> <p>Plate 154 from <u>A Diderot Pictorial Encyclopedia of</u> <u>Trades and Industry</u></p>

<p>WASC 440 HN 234</p> <p>RGPF WORKMENS' COTTAGES, DEMOLITION c 1900</p>	<p>wasc 120 HN 230</p> <p>GENERAL SIR COLLINGWOOD DICKSON, INSPECTOR OF GUNPOWDER RGPF, 1852-1854</p> <p>Portrait</p>	<p>WASC 1010 HN 226</p> <p>THE SORTS OF GRAIN - LETTER FROM WILLIAM CONGREVE, DEPUTY COMPTROLLER, DATED CHARLTON 9 FEBRUARY 1789</p> <p>From Royal Gunpowder Factory <u>Entry Book of In Letters vol 1, 1787 Oct 25 - 1789 Mar 15</u> (PRO Supply 5/188)</p>
<p>WASC 441 HN 235</p> <p>JONAH AND THE WHALE</p> <p>Tempera picture uncovered during demolition (c 1900) of RGPF workmens' cottages (see HN 234)</p>	<p>HN 231</p> <p>LT GEN C W YOUNGHUSBAND</p> <p>Portrait</p>	<p>WASC 1011 HN 227</p> <p>LETTER 'NO 16' FROM HENRY FORMAN, ROYAL LABORATORY, WOOLWICH, 13 DECEMBER 1787</p> <p>From Royal Gunpowder Factory <u>Entry Book of In Letters vol 1, 1787 Oct 25 - 1789 Mar 15</u> (PRO Supply 5/188)</p>
<p>WASC 1044 HN 236</p> <p>OLD MARKET HOUSE, WALTHAM ABBEY</p> <p>B/w from Colour painting.</p>	<p>WASC 1049 HN 232a-h</p> <p>TITLE DEED, 1669</p> <p>Eight negatives:</p> <p>a) Full shot of Deed face (2 negs)</p> <p>b) Reverse</p> <p>c) Title on reverse</p> <p>d-h) Signatories to the Deed (5 separate negs)</p>	<p>WASC 1012 HN 228 a/b</p> <p>THE DISTINGUISHING MARKS USED UPON POWDER BARRELS</p> <p>From Royal Gunpowder Factory <u>Entry Book of In Letters vol 1, 1787 Oct 25 - 1789 Mar 15</u> (PRO Supply 5/188)</p> <p>2 pages (Negs a & b)</p>
<p>WASC 1007 HN 237a-b</p> <p>ORDERS OF THE COMPTROLLER, OCTOBER 1789</p> <p>From Letters received March 1789 - September 1790: letter no 172 (Supply 5/189). HN 237a - Side one, with heading HN 237b - Side two, with Congreve's signature</p>	<p>WASC ? HN 233</p> <p>NOTICE TO VISITORS, JANUARY 1871</p>	<p>WASC 132 HN 229</p> <p>DR R C BOWDEN, SUPERINTENDENT RGPF 1934-39</p> <p>Portrait</p>

<p>WASC 1224</p> <p>HN 244a-b</p> <p>LIBRARY/LECTURE THEATRE, ERDE NORTH SITE, 9.11.67</p> <p>2 views from West.</p>	<p>WASC 1117 927</p> <p>HN 240</p> <p>FACTORY FIRE BRIGADE C.1900</p> <p>(L-R Firemen Brown, Jackson and Marchant)</p>	<p>WASC 1757</p> <p>HN 238</p> <p>A PAIR OF GUNPOWDER INCORPORATING MILLS</p> <p>Negative made from tracing of drawing by F Drayson in his treatise on gunpowder, 1830 (see WASC 4)</p>
<p>1132</p> <p>HN 245a-b</p> <p>REPLICA CONGREVE ROCKET LAUNCHER</p> <p>Two views taken 3.7.1968, a) from side; b) from in front (target's viewpoint).</p>	<p>HN 241</p> <p>RETIREMENT OF DR ELWYN ROBERTS, 1.10.1958</p> <p>Named group photograph.</p>	<p>WASC 117, 1494/1</p> <p>HN 239 /1</p> <p>OLD BLACK POWDER MILLS</p> <p>GLASS PLATE NEGATIVE</p> <p>Drawing by E A Monro, 1956</p>
<p>WASC 572</p> <p>HN 246</p> <p>RUINS OF THE POWDER MILLS AT WALTHAM ABBEY, SKETCHED ON THE SPOT, 1843</p> <p>From <u>The Pictorial Times</u> 22 April 1843</p>	<p>HN 242</p> <p>RETIREMENT OF DR ELWYN ROBERTS, 1.10.1958</p> <p>Un-named mass photograph.</p>	<p>WASC 1494</p> <p>239/2</p> <p>OLD BLACK POWDER MILLS</p> <p>EARLIER CUT FILM NEGATIVE (NO PRINT MADE FROM THIS ONE)</p> <p>Drawing by E.A. Monro, 1956</p>
<p>WASC 572</p> <p>HN 247</p> <p>THE FUNERAL IN THE CHURCHYARD OF WALTHAM ABBEY (1843)</p> <p>From <u>The Pictorial Times</u> 22 April 1843</p>	<p>POWDER-HORNS</p>	<p>WASC 1494 /2</p> <p>HN 239/3</p> <p>OLD BLACK POWDER MILLS</p> <p>CUT FILM NEGATIVE (LATER ONE THAN 239/2)</p> <p>Drawing by E.A. Monro, 1956</p>

<p>INCORPORATING MILL (DIAGRAM)</p> <p>HN 256</p> <p>Plate IV from <u>Handbook of gunpowder and guncotton</u> by Major-General W H Wardell. (see WASC 12)</p>	<p>WASC 887.</p> <p>HN 252</p> <p>THE GUNPOWDER FACTORY, WALTHAM ABBEY</p> <p>View N East from Barge River Bridge, Highbridge Street</p>	<p>WASC 461</p> <p>HN 248</p> <p>THE WORTHIES OF ENGLAND, GUN-POWDER</p> <p>Part of p 338 from <u>The Worthies of England</u> by Thomas Fuller, describing the location of the industry.</p>
<p>WASC 12</p> <p>HN 257</p> <p>PRISMATIC POWDER MACHINE</p> <p>Plate XII from <u>Handbook of Gunpowder and Guncotton</u> by Major-General W H Wardell</p>	<p>WASC 115 / 13</p> <p>HN 253</p> <p>ROCKET AMMUNITION</p> <p>Plate 13 from <u>Details of the Rocket System</u> by Colonel Sir William Congreve</p>	<p>HN 249a-c</p> <p>A NEW INQUIRY INTO THE SUSPENSION OF VITAL ACTION</p> <p>3 negatives from Royal Human Society report 1979, showing a) title pages to inquiry and report, b) title page to description of resuscitation apparatus by J H Savigny and c) resuscitation directions to life-savers.</p>
<p>WASC 130</p> <p>HN 258</p> <p>COLONEL F T FISHER CB, SUPERINTENDENT RG & SAF 1909-1917</p> <p>Portrait</p>	<p>HN 254</p> <p>GLAZING BARRELS</p> <p>Plate VIII from <u>Handbook of Gunpowder and Guncotton</u> by Major-General W H Wardell. (see WASC 12)</p>	<p>WASC 886</p> <p>HN 250</p> <p>LOWER ISLAND, WALTHAM ABBEY</p>
<p>WASC 578</p> <p>HN 259</p> <p>EXPLOSION AT THE GOVERNMENT GUNPOWDER-WORKS NEAR WALTHAM (1862): THE POWDER-MILLS AFTER THE EXPLOSION</p>	<p>HN 255</p> <p>HORIZONTAL DUSTING & FINISHING REEL</p> <p>Plate X from <u>Handbook of Gunpowder and Guncotton</u> by Major-General W H Wardell. (see WASC 12)</p>	<p>WASC 885</p> <p>HN 251</p> <p>HIGHBRIDGE STREET, WALTHAM ABBEY</p> <p>View East to Abbey Church 1719th century?</p>

<p>HN 268</p> <p>STONE INCORPORATING MILLS IN 1798</p> <p>Figure 11 from <u>The Rise and Progress of the British Explosives Industry</u></p>	<p>HN 264 a-j</p> <p>ROYAL GUN POWDER FACTORY - MAP SHOWING NAMED BUILDINGS - REVISED TO 1923</p> <p>Map shown in 10 sections (10 negatives) with relationships indicated.</p>	<p>WAW 927</p> <p>HN 260</p> <p>POWDER BOAT, AFLOAT</p>
<p>HN 269 a-f</p> <p>A PLAN OF THE POWDER MILLS AT WALTHAM ABBEY AND THE FISHERY ON THE RIVER LEA SURVEYED 1783</p> <p>Comprises six negatives.</p>	<p>HN 265 a-f</p> <p>ROYAL GUN POWDER FACTORY - GENERAL PLAN 1865</p> <p>a/b - General plan, from Waltham Abbey marsh in north to Corn Mill Stream in south.</p> <p>c - Alder Plantation</p> <p>d/e/f- Holyfield Marsh and Meads with Alder Plantation inset.</p>	<p>HN 261</p> <p>"REPETITION OF HISTORY THREATENED" - LETTER TO MASTER GENERAL OF THE ORDNANCE, 1794, USED TO SHOW THAT 'HOME GUARD' OF POWDER MILL EMPLOYEES COULD EQUIP THEMSELVES AS FIGHTING MEN AGAIN IN 1942.</p>
<p>WASC 1205</p> <p>HN 270</p> <p>HIGHBRIDGE STREET, WALTHAM ABBEY</p>	<p>WASC 531</p> <p>HN 266 a-c</p> <p>EXPLOSION AT A GOVERNMENT POWDER FACTORY, 1890</p> <p>Press cutting donated from the Waltham Abbey Historical Society collection.</p>	<p>WASC 573.</p> <p>HN 262</p> <p>WALTHAM ABBEY - FUNERAL OF THE UNFORTUNATE WORMEN (Sic) (1843)</p>
<p>WASC 1206</p> <p>HN 271</p> <p>HIGHBRIDGE STREET, WALTHAM ABBEY</p>	<p>HN 267</p> <p>POWDER MILL IN 1798. OUTSIDE VIEW</p> <p>Figure 10 from <u>The Rise and Progress of the British Explosives Industry</u>.</p>	<p>WASC WAW 930</p> <p>HN 263</p> <p>THE TURNHAM BROTHERS: ALL WERE EMPLOYED IN THE ROYAL GUN POWDER FACTORY</p>

<p>WALTON HOUSE</p> <p>View from N/East. Photographed March 1978 (2 nges)</p>	<p>WASC 1079.</p> <p>POWDERBARGE</p>	<p>WASC 1202</p> <p>WALTHAM ABBEY CHURCH</p>
<p>WASC 1232</p> <p>WALTON HOUSE</p> <p>View from S/West. Photographed March 1978 (2 negs)</p>	<p>WASC 1210</p> <p>MILL BED STONE - SITED AS RELIC NEAR MAIN GATE, PERME WALTHAM ABBEY</p> <p>Photographed March 1978</p>	<p>WASC 1201</p> <p>WALTHAM ABBEY CHURCH AND OLD WALL</p>
<p>WASC 1232</p> <p>WALTON HOUSE AND SUNDIAL</p> <p>View from N/West. Photographed March 1978.</p>	<p>FLAGSTAFF BRIDGE, PROPELLANTS, EXPLOSIVES AND ROCKET MOTOR ESTABLISHMENT, VIEW SOUTH FROM WEST BANK</p> <p>Photographed March 1978.</p>	<p>WASC 1079</p> <p>POWDERBARGE</p>
<p>WASC 1232</p> <p>WALTON HOUSE</p> <p>View from South. Photographed March 1978.</p>	<p>FLAGSTAFF BRIDGE, PROPELLANTS, EXPLOSIVES AND ROCKET MOTOR ESTABLISHMENT, VIEW SOUTH FROM EAST BANK.</p> <p>Photographed March 1978.</p>	<p>WASC 1079</p> <p>POWDERBARGE (STERN)</p>

<p>HN 292</p> <p>USE OF A QUADRANT TO ESTIMATE TRAJECTORY OF A MORTAR SHELL</p> <p>From <u>Guns</u> by Dudley Pope (Library No 13130) p103.</p>	<p>WASC 1005</p> <p>HN 288</p> <p>CHAPMAN'S FARM, WALTHAM ABBEY (BARN?)</p>	<p>WASC 1232</p> <p>HN 284</p> <p>WALTON HOUSE</p> <p>View from N/West. Photographed March 1978.</p>
<p>WASC 1131</p> <p>HN293</p> <p>s/b LADY OF THE LEA: THE LAST WOODEN SAILING BARGE BUILT</p> <p>Plans drawn by Peter Ferguson. Copied from <u>Powderbarge WD</u>, by David Wood.</p>	<p>WASC 191</p> <p>HN289</p> <p>QUINTON HILL CORDITE GROUP</p>	<p>WASC 1232</p> <p>HN 285</p> <p>WALTON HOUSE</p> <p>View from S/East. Photographed March 1978.</p>
<p>HN 294</p> <p>DIAGRAM OF THE SALTPETRE REFINING APPARATUS AT WALTHAM ABBEY</p> <p>From F M Smith's <u>A Handbook of the Manufacture and Proof of Gunpowder...</u> /WASC 8/</p>	<p>HN 290</p> <p>MAHOMET'S CANNON 1453</p> <p>From <u>The Story of the Gun</u> by A W Wilson (Library No 13205) p6.</p>	<p>HN 286/1-4</p> <p>POWDERMILL LANE - NO 9 BUILDINGS. MARCH 1978</p> <p>Views (4 negs) from east showing (L-R) Admin Building, club premises, police lodge. Photographed March 1978.</p>
<p>HN 295</p> <p>DIAGRAM OF HYDRAULIC PRESS</p> <p>From F M Smith's <u>A Handbook of the Manufacture and Proof of Gunpowder...</u> /WASC 8/</p>	<p>HN 291</p> <p>A COMPOSITE GUN</p> <p>From <u>The Story of the Gun</u> by A W Wilson (Library No 13205) frontispiece.</p>	<p>WASC 1215</p> <p>HN 287</p> <p>EXPLOSIVES HAND TRUCK USED IN THE ROYAL GUN POWDER FACTORY</p> <p>Photographed March 1978</p>

<p>WASC 797</p> <p>(PLAQUE)</p> <p>MEMORIAL TABLET TO SIR WILLIAM CONGREVE, 1ST BARONET.</p>	<p>HN 304</p> <p>"THIS IS WHAT ONE ROCKET DID"</p> <p>Extract from <u>Daily Mirror</u>, April 27 1945, with view of destruction of part of Waltham Abbey by V2 rocket in March 1945</p>	<p>HN 300</p> <p>WASC 1296-</p> <p>SIR ROBERT ROBERTSON</p> <p>Portrait</p>	<p>HN 296</p>
<p>WASC 805</p> <p>CAMDEN'S BRITANNIA.</p>	<p>WASC 1094.</p> <p>CHARCOAL BURNING</p>	<p>HN 301</p> <p>DR. L J BELLAMY</p> <p>Passport photograph, 1960</p>	<p>HN 297</p>
<p>815 (WASC)</p> <p>STAFF: ERDE: SNI GROUP 1965,</p>	<p>WASC 1094.</p> <p>GUNPOWDER PRESSING</p>	<p>HN 302</p> <p>WASC 740'</p> <p>ERDE NORTH SITE: ENTRANCE IN POWDERMILL LANE, 1968</p> <p>Three views (six negatives) at main gate, one a close-up of ERDE name plate on gate</p>	<p>HN 298</p>
<p>WASC 1464/2</p> <p>"ORDNANCE ARMS" BUTTON</p> <p>B/W PHOTOGRAPH.</p>	<p>WASC 684</p> <p>ERDE CHIEF SCIENTIST'S CONFERENCE & EXHIBITION 1966, EXHIBITS IN NEW LIBRARY AND LECTURE THEATRE BUILDING.</p> <p>35MM</p> <p>COLOR NEGATIVES IN 7 STRIPS FOR 20 FRAMES.</p>	<p>WASC 1121</p> <p>POWDER BOAT</p> <p>Model made by ERDE apprentice, 1973</p> <p>Two negatives (one view from side, one from above)</p>	<p>HN 307</p> <p>HN 299</p>

(WASC 1585)

HN ³¹²~~315~~

Mixer for composite Propellant
ERDE South Site
Bldg 550 ca 1970

HN 308

WASC 1553

Combustible Cartridge Case
Print to accompany talk for
"The Scientist and The Soldier" poster.

WASC 1590/1-27

HN 313 A-AA

E. N(oble) Sheppard negatives from collection of
photographs, from which prints were made.

WASC 987

HN 309 A-F.

B/W illustrations for PERME Brochure (1979)

HN 314

Negatives copied from E. N(oble) Sheppard's Family
Photograph Album from which prints were not made
as they are of no particular relevance to the
Waltham Abbey Special Collection.

WASC 1556

HN 30A-B.

color illustrations for PERME
Brochure (1979)
(photographs)

WASC 1557

HN 311 A-D.

Color illustrations for PERME Brochure
(1979)
(Transparencies)

HN
SUBJECT
INDEX

COOPERS: ROYAL GUNPOWDER FACTORY: TURNHAM FAMILY

HN Negative No	145	263				

DANGER BUILDINGS: PRESS HOUSES: GUNPOWDER: SAFETY

HN Negative No	206					

CONGREVE ROCKETS: LAUNCHING FROM FIRE SHIPS

HN Negatives	36					

CORDITE: BAKING

HN Negative No	94					

CONGREVE'S RULES FOR THE MANUFACTURE OF GUNPOWDER

HN Negative No	237					

CONGREVE, SIR WILLIAM, 2nd BARONET

HN Negatives	8	45				

CORDITE BALANCES

HN Negative No	110					

CONTINUOUS NITRATORS: MANUFACTURE OF RDX

HN Negative No	163					

CONGREVE ROCKETS: ROCKET AMMUNITION

HN Negative No	253					

CORDITE: BLENDING

HN Negative No	93					

COOLING TANKS: NITRATION OF GUNCOTTON

HN Negative No	69	119	167			

DANGER BUILDINGS: MANUFACTURE OF NITROGLYCERINE

HN Negative No	113					

CORDITE: SPECIMENS

HN Negative No	130				

CORDITE: DRYING OUT

HN Negative No	94				

CORDITE: CORDITE BALANCES

HN Negative No	110				

CORDITE: STORAGE IN HOT CLIMATES

HN Negatives	29				

CORDITE: INCORPORATION

HN Negative No	118	175			

CORDITE: CORDITE DOUGH: MIXING

HN Negatives	208				

CORDITE: USE OF NITROGLYCERINE: SETTLING PONDS

HN Negative No	111	112			

CORDITE: PRESS-HOUSES

HN Negative No	115	169	92		

CORDITE: CORDITE WORKERS

HN Negatives	13	289			

CORDITE WINDING: ROYAL GUNPOWDER FACTORY

HN Negatives	44	97	172	93	

CORDITE: PRESS-HOUSES: MANUFACTURE OF SHAPED CORDITE

WASC NO	92				

CORDITE DOUGH: MIXING

HN Negatives	208				

Demolition of Gunpowder Mill
(Waterpowered) No 16, 1936

HN Neg No	20				

DENNY, EDWARD EARL OF NORWICH

HN Negatives	16				

DENNY, JOAN

HN Negatives	14				

DENNY, MARGARET

HN Negatives	17				

COTTON WASTE: MANUFACTURE OF GUNCOTTON: COTTON PICKING

HN Negative No	117	129	170		

COTTON WASTE: MANUFACTURE OF GUNCOTTON: WEIGHING AND DRYING

HN Negative No	107	121	168		

CRECY BOMBARD

HN Negative No	138				

CRIMES: WATERWAYS: TRANSPORTATION

HN Negatives	21				

CORDITE WORKERS

HN Negatives	13	289			

CORDWOOD: CHARCOAL BURNING: COAL-HEARTHES

HN Negatives	86	87			

COTTAGES: WORKMENS' COTTAGES: ROYAL GUNPOWDER FACTORY

HN Negative No	234				

COTTON PICKING: MANUFACTURE OF GUNCOTTON

HN Negative No	117	129	170		

ELEANOR CROSS (WALTHAM CROSS)

HN Negatives	22	152			

ELEMENTS: LIGHT ELEMENTS: HEATS OF COMBUSTION:
WITH OXYGEN

HN Negative No	185				

ENCYCLOPAEDIA: CAMDEN'S BRITANNIA

MN 305.

ENTHALPY-CONVERSION

HN Negative No	182				

DIPPING TANKS: MANUFACTURE OF GUNCOTTON

HN Negative No	108				

DIRECTORS: EXPLOSIVES RESEARCH AND DEVELOPMENT
ESTABLISHMENT

HN Negative No	297				

DUPONT GUNPOWDER MILLS: BRANDYWINE CREEK

HN Negative No	207				

EDGE CUMBE, MARGARET see DENNY, MARGARET

DENNY, SIR ANTHONY

HN Negatives	15				

DENNY, SIR EDWARD (d 1600)

HN Negatives	18				

DICKSON, GEN SIR COLLINWOOD: SUPERINTENDENT OF ROYAL
GUNPOWDER FACTORY

HN Negative No	230				

DILUTORS IN MANUFACTURE OF RDX

HN Negative No	164				

EXPLOSIONS: ROYAL GUNPOWDER FACTORY

HN Negatives	33	139	222	6	246
259	266				

EXPLOSIONS: ROYAL GUNPOWDER FACTORY: FUNERAL CEREMONIES

HN Negative No	247	262				

EXPLOSIONS: SPONTANEOUS EXPLOSIONS: INDIA

HN Negatives	29					

EXPLOSIVES RESEARCH AND DEVELOPMENT ESTABLISHMENT: AMBULANCES

HN Negatives	77	78		

ERIZZO, MARCO ANTONIO: CORRESPONDENCES: WITH JOHN TAMWORTH

HN Negatives	57					

ESSEX CHARCOAL-BURNERS: SAMUEL COLLARD

HN Negatives	86	88			

ESSONNES GUNPOWDER MILLS: GUNPOWDER MIXING HOUSES

HN Negative No	219				

EXPLOSIONS: CAM HOUSES: ROYAL GUNPOWDER FACTORY

HN Negatives	6					

EPPING FOREST: VIEWS TOWARDS THE LEA VALLEY

HN Negatives	89	90		

ERDE CHIEF SCIENTISTS CONFERENCE (EXHIBITION)
(1966)

HN 303

ERDE SENIOR STAFF
HN 54.ERDE STAFF: SMI GROUP 1965
HN 306

FAVERSHAM: GUNPOWDER MILLS

EXPLOSIVES RESEARCH AND DEVELOPMENT ESTABLISHMENT (North Site): MAIN GATE, POWDERMILL LANE

EXPLOSIVES RESEARCH & DEVELOPMENT ESTABLISHMENT:
CENTRAL STORES: VIEWS OF DEMOLITIONS, 1963

HN Negative No

192	268	267
-----	-----	-----

HN Negative No

298

HN Negative No

211

FILTERS: MANUFACTURE OF RDX: CLASSIFIER FILTERS

HN Negative No

166

FARMER, JOHN: WALTON'S POWDER MILLS 1735

HN Negatives

67

EXPLOSIVES RESEARCH AND DEVELOPMENT ESTABLISHMENT:
FIRE BRIGADE

HN Negatives

78

FIRE BRIGADE: EXPLOSIVES RESEARCH AND DEVELOPMENT
ESTABLISHMENT

HN Negatives

78

FARMS: WALTHAM ABBEY: CHAPMAN'S FARM

HN Negative No

288

EXPLOSIVES RESEARCH AND DEVELOPMENT ESTABLISHMENT:
MATERIALS RESEARCH LABORATORIES

HN Negatives

73

FIRE BRIGADE: ROYAL GUNPOWDER FACTORY

HN Negatives

240

Fawkes, Guy

HN Negative No

~~WASC No~~

32

EXPLOSIVES RESEARCH AND DEVELOPMENT ESTABLISHMENT
(North Site): LIBRARY/LECTURE THEATRE

HN Negatives

7

244

FUNERAL CEREMONIES: ROYAL GUNPOWDER FACTORY PERSONNEL

HN Negatives	247	262			

GLASSWARE: MICRO GLASSWARE

HN Negatives	76				

GLAZING OF GUNPOWDER

HN Negatives	52	254				

GLAZING BARRELS

HN Negative No	52	254				

FULLER, THOMAS

HN Negatives	11					

FULLER, THOMAS: GUNPOWDER: DESCRIPTIONS

HN Negatives	42	248				

FUME ABSORPTION PLANT: MANUFACTURE OF RDX

HN Negative No	156					

FUME MAINS: MANUFACTURE OF RDX: FLOW CHARTS

HN Negative No	155					

FIRE SHIPS: LAUNCHING OF CONGREVE ROCKETS

HN Negatives	36					

FISHER, COLONEL F T: SUPERINTENDENTS OF ROYAL GUNPOWDER FACTORY AND ROYAL SMALL ARMS FACTORY (ENFIELD)

HN Negative No	258					

FLAGSTAFF BRIDGE: PROPELLANTS, EXPLOSIVES AND ROCKET MOTOR ESTABLISHMENT (WALTHAM ABBEY)

HN Negative No	278	279				

FORMALDEHYDE PLANT: MANUFACTURE OF RDX

HN Negative No	154					

GUNCOTTON: MANUFACTURE: ACIDS: ACID MIXING SHEDS

HN Negative No	128					

GUNCOTTON FACTORIES

see also GUNCOTTON? MANUFACTURE

GLOUCESTER, RICHARD Duke: VISIT TO PROPELLANTS,
EXPLOSIVES AND ROCKET MOTOR ESTABLISHMENT
(WALTHAM ABBEY), 1978

HN Negative No	91/1-44					

GUNCOTTON: MANUFACTURE: ACIDS: MIXING BY COMPRESSED
AIR

HN Negative No	122					

GUNCOTTON FACTORIES: ROYAL GUNPOWDER FACTORY

HN Negatives	5	43	61			

GRANULATION OF GUNPOWDER

HN Negatives	51	84				

GUNCOTTON: MANUFACTURE: BOILING VATS

HN Negative No	109					

GUNCOTTON: MANUFACTURE

see also GUNCOTTON FACTORIES

GUNCOTTON DISCS: MOULDING

HN Negative No	114					

GUNCOTTON: MANUFACTURE: COTTON WASTE: COTTON PICKING

HN Negative No	117	129	170			

GUNCOTTON: MANUFACTURE: ACIDS

HN Negative No	171					

GUNCOTTON DISCS: PRESSING

HN Negative No	118					

GUNCOTTON: POACHING: WASHING

NEG No: HN 68

GUNCOTTON: MANUFACTURE: OPERATORS

HN Negative No	141				

GUNCOTTON: MANUFACTURE: COTTON WASTE: WEIGHING AND DRYING

HN Negative No	107	121	168		

GUNCOTTON: WASHING: POACHING

NEG HN 68

GUNCOTTON: MANUFACTURE: POACHING

HN Negatives	68				

GUNCOTTON: MANUFACTURE: DIPPING TANKS

HN Negative No	108				

GUNPOWDER

HN Negatives	42	248			

GUNCOTTON: MANUFACTURE: PRESSING: DISCS

HN Negative No	120				

GUNCOTTON: MANUFACTURE: MOULDING: DISCS

HN Negative No	114				

GUNPOWDER BARRELS
See POWDER BARRELS

GUNCOTTON: MANUFACTURE: PULPING & MOULDING

HN Negatives	43				

GUNCOTTON: MANUFACTURE: NITRATION: COOLING TANKS

HN Negatives	69	119	167		

GUNPOWDER: INCORPORATION: MILLSTONES

HN Negative No	53	220			

GUNPOWDER: GRANULATION

HN Negatives	51	84			

GUNPOWDER BARRELS

See POWDER BARRELS

GUNPOWDER MANUFACTURE: PLANT: BREAKING DOWN MACHINES

HN Negatives	85				

GUNPOWDER HYDRAULIC PRESS

HN Negatives	81	295			

GUNPOWDER: DUSTING & FINISHING

HN Negatives	255				

GUNPOWDER: MANUFACTURE: PRISMATIC POWDER MACHINES

HN Negative No	257				

GUNPOWDER: INCORPORATING MILLS

HN Negative No	238	56	103	104	256
208					

GUNPOWDER: GLAZING

HN Negative	52	254			

GUNPOWDER: MANUFACTURE: PRODUCTION OF SALTPETRE FROM HUMUS

HN Negative No	217				

GUNPOWDER: INCORPORATING MILLS: OPERATORS

HN Negatives	143	104			

GUNPOWDER: GRAINING

HN Negative No	226				

GUNPOWDER MILLS: ROYAL GUNPOWDER FACTORY: RUINS, 1956

HN Negative No	213	239	1-3				

GUNPOWDER MILLS: HORSE MILLS: ROYAL GUNPOWDER FACTORY

HN Negative No	210						

GUNPOWDER: MANUFACTURE: RULES BY CONGREVE

HN Negative No	237						

GUNPOWDER MILLS: WALTHAM ABBEY 1783: MAPS

HN Negatives	269						

GUNPOWDER MILLS: HOUNSLOW

HN Negatives	38						

GUNPOWDER MILLS: DuPONT COMPANY: BRANDYWINE CREEK

HN Negative No	207						

GUNPOWDER MILLS: WALTHAM ABBEY 1808

HN Negative No	146						

GUNPOWDER MILLS: HOOK'S MARSH BRIDGE: ERECTED BY RALPH HUDSON

HN Negative No	193						

GUNPOWDER MILLS: ESSONNES: GUNPOWDER MIXING HOUSES

HN Negative No	219						

GUNPOWDER MILLS: WALTHAM ABBEY 1735

HN Negatives	67	149					

GUNPOWDER MILLS: ROYAL GUNPOWDER FACTORY

HN Negatives	20	27	39	66			

GUNPOWDER MILLS: FAVERSHAM

HN Negative No	198	267	268				

GUNPOWDER MILLS: ROYAL GUNPOWDER FACTORY:
UPRIGHT (DETAIL)

HN Negatives	31					

GUNPOWDER MIXING HOUSES: ROYAL GUNPOWDER FACTORY

HN Negatives	50	180	125			

GUNPOWDER MILLS, WALTHAM ABBEY: SALTPETRE REFINERIES

HN Negatives	58				

GUNPOWDER PLOT: CONSPIRATORS

HN Negatives	32				

GUNPOWDER: MOULDING

HN Negative No	105				

GUNPOWDER MILLS: WALTHAM ABBEY: TITLE DEED, 1669

HN Negative No	232				

GUNPOWDER: PRESS HOUSES: DANGER BUILDINGS SAFETY

HN Negative No	206				

GUNPOWDER: FINISHING: DUSTING & FINISHING

HN Negatives	255				

GUNPOWDER MILLS: WALTHAM ABBEY 1851: VIEW OF OFFICES

HN Negative No	191				

GUNPOWDER: PRESS-HOUSES: ROYAL GUNPOWDER FACTORY

HN Negative No	99				

GUNPOWDER: GUNPOWDER MIXING HOUSES: ROYAL GUNPOWDER
FACTORY

HN Negatives	50	180			

GUNPOWDER MIXING HOUSES: ESSONNES GUNPOWDER MILLS

HN Negative No	219				

INCORPORATING MILLS: GUNPOWDER

HN Negative No	238	56	103	104	256
268					

HUGHSON 1808

Engraving of Walkam
Abbey Powder Mills
HN 146

HORSE MILLS: ROYAL GUNPOWDER FACTORY

HN Negative No	210				

INCORPORATING MILLS: GUNPOWDER: OPERATORS

HN Negative No	143				

HYDRAULIC PRESS: GUNPOWDER

HN Negatives	81	295			

HOSPITALS: SANDHURST HOSPITAL (ROYAL GUNPOWDER FACTORY)

HN Negatives	3	106			

INCORPORATION OF GUNPOWDER BY MILLSTONES

HN Negative No	53	220			

HYDRIDES: HEATS OF COMBUSTION: WITH OXYGEN

HN Negative No	186				

HOUNSLOW: GUNPOWDER MILLS

HN Negatives	38				

INNISFAIL: JOINT TROPICAL RESEARCH UNIT
see JOINT TROPICAL RESEARCH UNIT

HYDROGEN GAS: SPECIFIC IMPULSE

HN Negative No	183				

HUDSON, RALPH: ERECTION OF GUNPOWDER MILL AT HOOK'S
MARSH BRIDGE

HN Negative No	193				

LIFTS: NITROGLYCERINE PLANT

HN Negative No	95				

KNAPMAN, P G: SUPERINTEDENT OF ROYAL GUNPOWDER FACTORY

HN Negative No	201				

INNISFAIL: JOINT TROPICAL TRAILS AND RESEARCH ESTABLISHMENT

see JOINT TROPICAL TRIALS AND RESEARCH ESTABLISHMENT

LIGHT ELEMENTS: HEATS OF COMBUSTION: WITH OXYGEN

HN Negative No	185				

LEA VALLEY: VIEWS FROM EPPING FOREST

HN Negatives	89	90			

JOINT TROPICAL RESEARCH UNIT: INNISFAIL

see also JOINT TROPICAL TRIALS AND RESEARCH EST

HN Negatives	37				

LIQUID Bi-PROPELLANTS: SPECIFIC IMPULSE

HN Negative No	184	187			

LIBRARY: EXPLOSIVES RESEARCH AND DEVELOPMENT ESTABLISHMENT (North Site)

HN Negatives	7	244			

JOINT TROPICAL TRIALS AND RESEARCH ESTABLISHMENT: INNISFAIL

see also JOINT TROPICAL RESEARCH UNIT

LONG WALK: ROYAL GUNPOWDER FACTORY

HN Negative No	147				

LIBRARY: PROPELLANTS, EXPLOSIVES AND ROCKET MOTOR ESTABLISHMENT (WALTHAM ABBEY, NORTH SITE)

HN Negative No	124	125			

JONAH AND THE WHALE: PAINTINGS

HN Negative No	235				

MICRO GLASSWARE

HN Negatives	76				

MARKET HOUSES: WALTHAM ABBEY

HN Negative No	236				

LOWER ISLAND: ROYAL GUNPOWDER FACTORY: VIEWS

HN Negative No	250				

MILLHEAD STREAM: ROYAL GUNPOWDER FACTORY

HN Negative No	151	150			

MATERIALS RESEARCH LABORATORIES: EXPLOSIVES RESEARCH AND DEVELOPMENT ESTABLISHMENT

HN Negatives	73				

MAHOMET'S CANNON

HN Negative No	290				

MILLS see GUNPOWDER MILLS

MEMORIAL CROSSES: ELEANOR CROSS (WALTHAM CROSS)

HN Negatives	22	152			

MAPS OF ROYAL GUNPOWDER FACTORY

HN Negatives	264	265			

MILLS: CHARCOAL MILLS see CHARCOAL MILLS

MEMORIAL TABLETS. (PLAQUES)
HN 304

MAPS OF GUNPOWDER MILLS, WALTHAM ABBEY 1783

HN Negatives	269				

MOULDING OF GUNCOTTON DISCS

MILLSTONES: RUNNERS: REMOVAL OF RUNNERS

MILLSTONES: GROUP A MILLS 1898

MOULDING OF GUNPOWDER

Mixer - Composite Propellant

MILLSTONES: INCORPORATION OF GUNPOWDER

MUNITIONERS: WALTHAM ABBEY

MIXING CORDITE DOUGH

MILLSTONES: PROPELLANTS, EXPLOSIVES AND ROCKET MOTOR
ESTABLISHMENT (WALTHAM ABBEY, NORTH SITE)

NATHAN, COLONEL SIR FREDERIC: SUPERINTENDENT OF
ROYAL GUNPOWDER FACTORY

MORTAR SHELLS: TRAJECTORIES: ESTIMATION WITH QUADRANTS

MILLSTONES: ROYAL GUNPOWDER FACTORY

ORDNANCE BOARD: COAT OF ARMS

HN Negative No	194				

NITROGLYCERINE: MANUFACTURE: DANGER BUILDINGS

HN Negative No	113				

NITRATION OF GUNCOTTON: COOLING TANKS

HN Negatives	69	119	167		

ORDNANCE BOARD: COAT OF ARMS: BUTTON

WASCO No	HN No	307			

NITROGLYCERINE: MANUFACTURE: PLANT

HN Negatives	82	96	98		

NITRATORS: MANUFACTURE OF RDX: CONTINUOUS NITRATORS

HN Negative No	163				

OVERSHOES: SAFETY: ROYAL GUNPOWDER FACTORY

HN Negative No	174				

NITROGLYCERINE: MANUFACTURE: PLANT: LIFTS

HN Negative No	95				

NITRIC ACID: USE IN MANUFACTURE OF RDX: CONCENTRATION METHOD

HN Negative No	158				

PARISH REGISTER: WALTHAM HOLY CROSS

HN Negative No	136	140			

NITROGLYCERINE: USE IN CORDITE: SETTLING PONDS

HN Negative No	111	112			

NITROGLYCERINE: MANUFACTURE: ACCIDENTS

HN Negative No	131	132			

POWDER BOATS

HN Negative No	46	260					

POWDER BOATS: MILLHEAD STREAM

HN Negative No	150						

POWDER BOATS: MODELS

HN Negative No	299						

POWDER BOATS: RESTORATION AT THE EXPLOSIVES RESEARCH
AND DEVELOPMENT ESTABLISHMENT

HN Negatives	30						

POLICE CONSTABLES

NEGATIVE NO	148						

POWDER BARRELS

HN Negative No	47						

POWDERBARGES (SAILING)

HN Negative No	55	12	274	275	276		
293							

POWDER BARRELS: DISTINGUISHING MARKS

HN Negative No	228						

PETREL ROCKET

HN Negatives	59				

"Placid Scene" Powder Mills on
Waterway with Powder Boats

HN Neg No	66				

PLANS

See also MAPS

POACHING: GUNCOTTON MANUFACTURE

HN Negatives	68				

PRESS-HOUSES: CORDITE

HN Negative No	92	115	169				

POWDER-FLASKS

see POWDER-HORNS

POWDER BOATS: WALTHAM LOCK

HN Negatives	64				

PRESS-HOUSES: GUNCOTTON

HN Negative No	169						

POWDER-HORNS

HN Negatives	243					

POWDER BOWLS

see POWDER-HORNS

PRESS HOUSES: GUNPOWDER: DANGER BUILDINGS SAFETY

HN Negative No	200	99					

PRESS CAKE

HN Negative No	302						

POWDER MILLS see GUNPOWDER MILLS

PRESSING OF GUNCOTTON DISCS

HN Negative No	120						

PRESS HOUSE WORKERS: ROYAL GUNPOWDER FACTORY

HN Negatives	72					

POWDERMILL LANE (WALTHAM ABBEY)

HN Negatives	25	48	127	23	24	148	286
298							

RDX: MANUFACTURE: AMMONIA CONVERTERS

HN Negative No	162	157				

PROPELLANTS, EXPLOSIVES AND ROCKET MOTOR
ESTABLISHMENT (WALTHAM ABBEY): ACCESS MAPS

HN Negatives	19					

PRIMERS: SPECIMENS

HN Negative No	130					

RDX: MANUFACTURE: BOILING VATS

HN Negative No	165					

PROPELLANTS, EXPLOSIVES AND ROCKET MOTOR ESTABLISHMENT
(WALTHAM ABBEY, NORTH SITE): LIBRARY

HN Negative No	124	125				

PRISMATIC POWDER MACHINES: MANUFACTURE OF GUNPOWDER

HN Negative No	257					

RDX: MANUFACTURE: CLASSIFIER FILTERS

HN Negative No	166					

PUBLIC HOUSES, WALTHAM ABBEY: WELSH HARP

HN Negative No	192					

PROFILES: SDI SERVICES: CONSTRUCTION AND MAINTENANCE

HN Negative No	197					

RDX: MANUFACTURE: CONTINUOUS NITRATORS

HN Negative No	163					

QUADRANTS: USE IN ESTIMATING MORTAR SHELL TRAJECTORIES

HN Negative No	292					

PROPELLANTS, EXPLOSIVES AND ROCKET MOTOR
ESTABLISHMENT: VISIT BY HRH RICHARD DUKE OF
GLOUCESTER, 1978

HN Negative No	91/1-44					

REFINERY BRIDGE: WATERWAYS: WALTHAM ABBEY: POSTCARD
VIEWS

HN Negatives	26						

ROBERTS, E: SPECIAL MERIT SPSO's: EXPLOSIVES RESEARCH AND
DEVELOPMENT ESTABLISHMENT

HN Negatives	241	242				

ROBERTSON, SIR ROBERT

HN Negatives	29	296				

ROCKET AMMUNITION FOR CONGREVE ROCKETS

HN Negative No	253					

RDX: MANUFACTURE: HEXAMINE PROCESSERS

HN Negative No	159	160				

RDX: MANUFACTURE: SAFETY ASPECTS: CLEANWAYS

HN Negative No	161					

RDX: MANUFACTURE: USE OF NITRIC ACID: CONCENTRATION
METHODS

HN Negative No	158					

RAIL TRANSPORT: EXPLOSIVES

HN Negatives	70					

RDX: MANUFACTURE: DILUTORS

HN Negative No	164					

RDX: MANUFACTURE: FORMALDEHYDE PLANT

HN Negative No	154					

RDX: MANUFACTURE: FUME ABSORPTION PLANT

HN Negative No	156					

RDX: MANUFACTURE: FUME MAINS: FLOW CHARTS

HN Negative No	155					

ROYAL GUNPOWDER FACTORY: CORDITE WINDING

HN Negatives	44	97	172				

ROCKETS: V2 ROCKETS: DESTRUCTION AT WALTHAM ABBEY

HN Negative No	300						

ROCKET MOTORS: SOLID PROPELLANT ROCKET MOTORS

HN Negatives	62				

ROYAL GUNPOWDER FACTORY: EMPLOYMENT CONDITIONS

HN Negative No	178	223	224	225	227		

ROLLER MILLS: INCORPORATION OF GUNPOWDER

HN Negative No	220						

ROCKETS

see also CONGREVE ROCKETS

ROYAL GUNPOWDER FACTORY: EXPLOSIONS

see EXPLOSIONS: ROYAL GUNPOWDER FACTORY

ROYAL GUNPOWDER FACTORY: BURGLARIES

HN Negative No	178						

ROCKETS: PETREL

HN Negatives	59				

ROYAL GUNPOWDER FACTORY FIRE BRIGADE

HN Negatives	240				

ROYAL GUNPOWDER FACTORY: CAM HOUSES: EXPLOSIONS

HN Negatives	6						

ROCKETS: SKYLARK

HN Negatives	60				

ROYAL GUNPOWDER FACTORY IN-LETTERS

HN Negative No		139	222	223	224	225
226	227	228	237			

ROYAL GUNPOWDER FACTORY: LONG WALK

HN Negative No		147				

ROYAL GUNPOWDER FACTORY: LOWER ISLAND: VIEWS

HN Negative No		250				

ROYAL GUNPOWDER FACTORY: MAPS

HN Negatives		264	265		

ROYAL GUNPOWDER FACTORY GUNPOWDER MIXING HOUSE

HN Negative No		50	180			

ROYAL GUNPOWDER FACTORY: GUNPOWDER: PRESS-HOUSES

HN Negative No		99				

ROYAL GUNPOWDER FACTORY: HEADQUARTERS BUILDING,
1899

HN Negative No		179				

ROYAL GUNPOWDER FACTORY: HORSE MILLS

HN Negative No		210				

ROYAL GUNPOWDER FACTORY: GUNCOTTON FACTORIES

HN Negatives		5	43	61		

ROYAL GUNPOWDER FACTORY: GUNPOWDER MILLS

HN Negatives		20	27	39		

ROYAL GUNPOWDER FACTORY: GUNPOWDER MILLS: RUINS, 1956

HN Negative No		213	239	1-3		

ROYAL GUNPOWDER FACTORY: GUNPOWDER MILLS:
UPRIGHT (DETAIL)

HN Negatives		31				

ROYAL GUNPOWDER FACTORY SALTPETRE REFINERY: INTERNAL VIEWS

HN Negative No	205					

ROYAL GUNPOWDER FACTORY: SAFETY BOOTS

HN Negative No	174					

ROYAL GUNPOWDER FACTORY: OFFICERS OLD QUARTERS, 1802

HN Negative No	200					

ROYAL GUNPOWDER FACTORY: SUPERINTENDENTS: BOWDEN, R C

HN Negative No	229					

ROYAL GUNPOWDER FACTORY: SAFETY: OVERSHOES:

HN Negative No	174					

ROYAL GUNPOWDER FACTORY PERSONNEL: FUNERAL CEREMONIES

HN Negatives	247	262			

ROYAL GUNPOWDER FACTORY: SUPERINTENDENTS: DICKSON, GEN SIR COLLINWOOD

HN Negative No	230					

ROYAL GUNPOWDER FACTORY: SAFETY REGULATIONS

HN Negatives	233					

ROYAL GUNPOWDER FACTORY: PERSONNEL: GENERAL CHEMISTRY

HN Negatives	71				

ROYAL GUNPOWDER FACTORY: SUPERINTENDENTS: FISHER, COLONEL F T

HN Negative No	258					

ROYAL GUNPOWDER FACTORY: SAFETY: SMOKING MATERIALS

HN Negative No	102	173				

ROYAL GUNPOWDER FACTORY: PERSONNEL: PRESS HOUSE WORKERS

HN Negatives	72				

ROYAL GUNPOWDER FACTORY: WOOD STACKS

HN Negative No

116

ROYAL GUNPOWDER FACTORY: UNIFORMS

HN Negative No

174

ROYAL GUNPOWDER FACTORY: SUPERINTENDENTS: HAY, LT GEN
SIR ROBERT

HN Negative No

203

ROYAL GUNPOWDER FACTORY: WORKMENS' COTTAGES

HN Negative No

234

ROYAL GUNPOWDER FACTORY: VIEWS FROM BARGE RIVER BRIDGE,
HIGHBRIDGE STREET

HN Negatives

144

252

ROYAL GUNPOWDER FACTORY: SUPERINTENDENTS: KNAPMAN, P G

HN Negative No

201

ROYAL SMALL ARMS FACTORY (Enfield)

HN Negatives

28

39

ROYAL GUNPOWDER FACTORY: WOMEN WORKERS: WORLD WAR I:

HN Negatives

63

ROYAL GUNPOWDER FACTORY: SUPERINTENDENTS:
NATHAN, COL SIR FREDERIC

HN Negatives

40

135

ROYAL SMALL ARMS FACTORY (ENFIELD): SUPERINTENDENTS:
FISHER, COLONEL F T

HN Negative No

258

ROYAL GUNPOWDER FACTORY: WOMEN'S HOME GUARD

HN Negative No

196

ROYAL GUNPOWDER FACTORY: SUPERINTENDENTS: YOUNGHUSBAND,
LT GEN C W

HN Negative No

202

231

SAINT CATHERINE: MARTYRDOM

HN Negatives	35					

SAFETY REGULATIONS: ROYAL GUNPOWDER FACTORY

HN Negatives	233				

RUNNERS: MILLSTONES: REMOVAL OF RUNNERS

HN Negatives	4					

SALTPETRE: REFINING APPARATUS

HN Negatives	83	218	294		

SAFETY: ROYAL GUNPOWDER FACTORY: OVERSHOES

HN Negative No	174				

SDI SERVICES: PROFILES: CONSTRUCTION AND MAINTENANCE

HN Negative No	197				

SALTPETRE REFINERIES: GUNPOWDER MILLS, WALTHAM ABBEY

HN Negatives	58				

SAFETY: SMOKING MATERIALS: ROYAL GUNPOWDER FACTORY

HN Negative No	102	173			

SAFETY BOOTS: ROYAL GUNPOWDER FACTORY

HN Negative No	174				

SALTPETRE REFINERIES: ROYAL GUNPOWDER FACTORY:
INTERNAL VIEWS

HN Negative No	205				

SAINT BARBARA

HN Negative No	123				

SAFETY: DANGER BUILDINGS: PRESS HOUSES: GUNPOWDER

HN Negative No	206				

SILVERED VESSEL TEST

SELECTIVE DISSEMINATION OF INFORMATION SERVICES

see SDI SERVICES

SALTPETRE: PRODUCTION FROM HUMUS FOR MANUFACTURE
OF GUNPOWDER

SKYLARK ROCKET

SENIOR STAFF ERIDE

HN 54.

SALTPETRE/SULPHUR MILL: ROYAL GUNPOWDER FACTORY

HN Negatives

60

SM GROUP: STAFF ERDE 1965

HN 306.

SETTLING PONDS FOR NITROGLYCERINE USED IN CORDITE

HN Negative No

112

SALTPETRE: TYPES

HN Negative No

226

SMALL ARMS FACTORIES: ROYAL SMALL ARMS FACTORY
(Enfield)

SEWARDSTONE STREET: WALTHAM ABBEY

HN Negatives

75

HN Negatives

3

104

HN 54.

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

HN Negatives	29			

[illegible]

SUPERINTENDENTS: ROYAL GUNPOWDER FACTORY: NATHAN,
COLONEL SIR FREDERIC

HN Negatives	40	135				

SUPERINTENDENTS: ROYAL GUNPOWDER FACTORY: BOWDEN, R C

HN Negative No	229					

SULPHUR PRODUCTION METHODS, 18th CENTURY

HN Negative No	216					

SUPERINTENDENTS: ROYAL GUNPOWDER FACTORY: YOUNGHUSBAND,
LT GEN C W

HN Negative No	202	231				

SUPERINTENDENTS: ROYAL GUNPOWDER FACTORY: DICKSON, GEN
SIR COLLINWOOD

HN Negative No	230					

SULPHUR REFINING

HN Negatives	64					

SUPERINTENDENTS: ROYAL GUNPOWDER FACTORY AND ROYAL
SMALL ARMS FACTORY (ENFIELD): FISHER, COLONEL F T

HN Negative No	258					

SUPERINTENDENTS: ROYAL GUNPOWDER FACTORY: HAY, LT GEN
ROBERT

HN Negative No	203					

SULPHUR: REFINING APPARATUS

HN Negatives	80					

TAMWORTH, JOHN: CORRESPONDENCES: WITH MARCO ANTONIO
ERIZZO

HN Negatives	57					

SUPERINTENDENTS: ROYAL GUNPOWDER FACTORY: KNAPMAN, P G

HN Negative No	201					

SUNDIALS: PROPELLANTS, EXPLOSIVES AND ROCKET MOTOR
ESTABLISHMENT (WALTHAM ABBEY)

HN Negative No	126	212	282			

WALTHAM ABBEY

HN Negative No	192	195				

WALTHAM ABBEY CATTLE MARKET

HN Negative No	189					

WALTHAM ABBEY CHURCH

HN Negatives	272	273				

WALTHAM ABBEY: DESTRUCTION BY V2 ROCKETS

HN Negative No	300					

TURNHAM FAMILY: COOPERS AT ROYAL GUNPOWDER FACTORY

HN Negatives	145	263				

UNIFORMS: ROYAL GUNPOWDER FACTORY

HN Negative No	174					

V2 ROCKETS: DESTRUCTION AT WALTHAM ABBEY

HN Negative No	300					

VELOCITIES: SPACECRAFT

HN Negative No	181					

TITLE DEED, 1669, TO WALTHAM ABBEY GUNPOWDER MILLS

HN Negative No	232					

TRANSPORTATION: CRIMES ON WATERWAYS

HN Negatives	21					

TRAVERSES

HN Negative No	99	180				

TRUCKS: HAND TRUCKS

HN Negatives	56	287				

Waterways R&PF

HN Negative No	66			

WATERWAYS: WALTHAM ABBEY: REFINERY BRIDGE: POSTCARD VIEWS

HN Negatives	26			

WELSH HARP: PUBLIC HOUSES, WALTHAM ABBEY

HN Negative No	192			

WOMEN'S HOME GUARD: ROYAL GUNPOWDER FACTORY

HN Negative No	196			

WALTHAM HOLY CROSS: PARISH REGISTER

HN Negative No	136	140		

WALTON HOUSE: PROPELLANTS, EXPLOSIVES AND ROCKET MOTOR ESTABLISHMENT (WALTHAM ABBEY)

HN Negatives	280	281	282	283
284	285			

WALTON'S POWDER MILLS 1735

HN Negative No	67			

WATERWAYS: CRIMES: TRANSPORTATION

HN Negatives	21			

WALTHAM ABBEY: HIGHBRIDGE STREET

HN Negative No	199	251	270	271

WALTHAM ABBEY: MARKET HOUSES

HN Negative No	236			

WALTHAM ABBEY: SEWARDSTONE STREET

HN Negatives	75			

WALTHAM ABBEY: VIEWS FROM BARGE RIVER BRIDGE, HIGHBRIDGE STREET

HN Negative No	144	252		

