

**Leabharlann Náisiúnta na hÉireann
National Library of Ireland**

Collection List No. 157

Phillips Maps

MS 3137 and MS 2557

(TR 1935-1936 (11); TR 1947)

Surveys of Irish fortifications carried out by the English military surveyor,
Thomas Phillips. (1635?-1693)

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Manuscript Maps in The National Library of Ireland

Phillips Maps

Introduction

The manuscript and early printed maps collections of The National Library of Ireland (NLI) include a number of maps, plans and surveys illustrating seventeenth century defensive mapping. Of these, MS 3137 and MS 2557 date from ca 1685, and are surveys of Irish fortifications carried out by the English military surveyor, Thomas Phillips (1635?-1693), Second Engineer. Thomas Phillips submitted his survey recommendations to George Legge, first lord Dartmouth (c.1647-91), former Governor of Portsmouth, and Master General of the Ordnance.

Lord Dartmouth had proposed that Commissioners be sent from England to Ireland to survey the Stores and Forts with a view to securing the Kingdom of Ireland against attack or invasion. Thomas Phillips had previously received a number of commissions from Lord Dartmouth, including work at Tangiers and Portsmouth. Once completed, Thomas Phillips's Irish survey was submitted by Lord Dartmouth to The Lord Lieutenant of Ireland, James Butler, first duke of Ormond (1610-88). The Lord Lieutenant submitted the Survey to the Privy Council in 1685, but the proposals were not implemented.

We believe we have now identified which set of maps belongs together, and which series follows the other. We have also listed the printed maps that are included with MS 3137, not previously recorded by R. J. Hayes in the *Manuscript Sources for the History of Irish Civilisation*.¹ These maps are from Sir William Petty's *Hiberniae Delinatio*, first published in 1685 and so are contemporary with Thomas Phillips's survey. Finally, we have enclosed a table comparing the surveys, maps and drawings of MS 3137 with MS 2557, plus a copy list of the original proposed contents of the survey.

MS 3,137

In 1935, the Library at Kilkenny Castle presented the Thomas Phillips survey at MS 3,137, formerly MS 660, as a gift to the NLI. Originally a large volume, this series is now a set of 45 unbound maps, plans and surveys. MS 3.137 seems to be the original set produced by Thomas Phillips and presented by

¹ R. J. Hayes, Ed. *Manuscript Sources for the History of Irish Civilisation* Boston: G.K. Hall & Co., 1965. Vol. 4,

Lord Dartmouth to the Lord Lieutenant of Ireland, the Duke of Ormond. Twenty-eight sheets bear the signature 'Thomas Phillips' and No. 19 was signed twice. Fourteen exhibit 'pricking', a means by which exact originals would have been produced from this set of maps. All of the 'pricked' examples depict building structures, usually fortifications, except for one that relates to the manufacture of booms.² Thomas Phillips recommended that strong "Boomes" or "Stopps" be placed at the "entrances to the most considerable harbours" to secure them.³

The script used for the titles is boldly written on the back of each page in brown iron gall ink, with flourishes in ornate script.

Eleven printed maps of escheated lands in Ireland are interspersed with the manuscript military survey. These printed maps are from the Cromwellian Sir William Petty's atlas of Ireland, *Hiberniae Delineatio*, first published in 1685. When the survey in MS 3,137 was listed in the *Manuscript Sources for the History of Irish Civilisation* these printed maps were omitted.⁴ A full list of the survey in MS 3,137 is included in Appendix I.

MS 2,557

Before it came to the NLI, MS 2,557 was part of the Ormond Collection⁵. It was originally in folio format. The original binding has now been disbound, conserved and the 95 sheets rebound. Sheets three to five are currently out of their original numeric sequence. The maps, plans and surveys are now housed separately from their original folio volume.

This volume is entitled *Rules Orders and Directions for Regulateing the Office of the Ordnance in Ireland. Together with exact Surveys of the Cheife Harbours, Forts, and Fortifications, in the said Kingdom, & Estimates of y^e Charge for Fortifying y^e most Important Places therein*. Originally each survey map would have accompanied by its schedule in the volume of estimates for the works proposed. This volume is marked as a "copie". It is not known currently how many copies were produced.

The surveys of MS 2,557 were executed *By directions of his Ma^{tie} King Charles the Second unto ye Right Hon^{ble} George Lord Dartmouth, M^r Generall of his Majesties Ordnance in England; and performed by Thomas Phillips. Anno 1685.*

MS 2,557 contains a twelve page manuscript copy, possibly copied by the Ordnance Clerk Robert Alloway. The copy is of Charles II's Order of 24th

² See Appendix I for a list of the 'pricked' maps.

³ See MS 2,557.

⁴ See 1 supra.

⁵ *Historical Manuscripts Commission, Third Report*, Appendix (1872), Ormonde: pages 425-6, No. 19. No NLI accession record seems to exist for this Collection.

August 1684, signed at the court at Whitehall on 24th March 1685/6. Under the terms of the Order, Thomas Phillips (Engineer) and Francis Povey (late Storekeeper at Tangiers) were to join with William Robinson (Surveyor and Storekeeper, Ireland) as Commissioners, and with Robert Alloway (Clerk of the Ordnance). They were firstly to survey “the Ordnance Amunition, Armes and other Habilliments of War in the Severall Magazines” and then to compare this survey with that of William Robinson’s of 25th March 1684. The duties of the engineer Thomas Phillips were outlined as taking “an Exact view of the Severall Forts, castles and Guerrisons” indicating their present condition, what might be necessary in terms of repairs and alterations, and also providing estimates of any such repairs, plus estimates of any costs in fortifying each place.

A folio page follows entitled *An Abstract of all the Ordnance in his Majesties Kingdom of Ireland* detailing the Brass Ordnance (one page) and the Iron Ordnance including the Iron Ordnance covered in Brass (one page).

This copy indicates that Thomas Phillips duly completed and submitted the work as commissioned, to Lord Dartmouth. In his submission to the Lord Lieutenant and Council, Lord Dartmouth urged that the recommendations of his Engineer be accepted, and that any “Stores as are wanting by the Severall Store Keepers be by them made good or to pay money for the same”, that unserviceable stores were to be sold and the money applied to other repairs, and that “all disproportioned Brasse-Guns be sent to England and recast”. The Lord Lieutenant was to forward Lord Dartmouth’s Report and “return the whole with this booke to England”.

It was Thomas Phillips’s recorded view that of all the places he surveyed, only four or five were in any condition to be to be fortified: “the rest though formerly accounted strong by being encompassed with boggs & rivers, are now become otherways by reason that the boggs are now dried up & more bridges made to passe the Rivers”. In the *Abstract of the content of a Book of Draughts & Designes for Fortifying the Kingdom of Ireland*, Thomas Phillips recommended that it was “absolutely necessary” that Dublin, Waterford River and Passage, Cork, Kinsale, Limerick and Scatterry Island, Galway, Athlone, Derryworrhagh instead of Charlemont, Culmore for Londonderry, Carrickfergus, and Belfast, “be fortified out of hand”. The fortifications should be strong enough to “resist a considerable army”. The associated estimated costs were between £554,116:59:0 and £557,515:10:0. These estimates included “all manner of Accidents, Incident Charges, Sallaries, and Freight”. The estimated cost for fortifying Dublin, Waterford River and Passage, Kinsale, Limerick, Derryworrhagh, Culmore was £331,136:9:0, while the estimates for Cork harbour, “the most considerable Port in the South Pt. of the Kingdom”, were £14,198:0:0.

It appears that it was anticipated that a number of copies of the *Booke of the Survey of Ireland*, as MS 2,557 could rightly be called, would be made. Producing those copies might have been part of Robert Alloway’s duties. A manuscript list in MS 2,557 outlines the proposed content for “each Booke of the survey of Ireland” (see Appendix III). It appears from this listing that the William Petty maps were intended to be included with the Survey copies.

MS 2,557 consists of thirty-six Survey maps, of which Numbers 2 and 27 are currently unaccounted for. It is not certain whether these maps were ever received by the NLI. There aren't any printed maps in MS 2,557. Four of the maps, numbers 6, 8, 35 and 36 are still attached to their paper guards, which would originally have been used to bind them into the volume.

We think that MS 2,557 is a copy of MS 3137. In our opinion, the execution of the maps, plans and surveys in MS 2,557 is generally less fine than those in MS 3,137. The titles were written less ornately, in black ink. Having examined the paper and watermarks, we are not certain whether MS 2,557 was produced in 1685.

Most of the titles are duplicated across MS 2557 and MS 3137, with slight variations in spelling/wording. See Appendix II for a comparison of the maps in both sets.

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The Phillips' Maps can now be viewed through the [National Library's Main Catalogue](#).

Appendix I. MS 3,137

Map	Title / Description	Signed Pricked	Height [ins]	Width [ins]
01	A General Mapp of Ireland [William Petty]		27 ¼	20 ¼
02	A Draught of the Cittadell to be Built Over Dublin.	✓	39 ½	28 ¾
03	A Draught of the Castle of Dublin at Present.		25 ¾	20
04	The Profile of the Cittadell of Dublin.		10	42
05	The Province of Munster [William Petty]		18 ½	23 ⅞
06	The County of Waterford [William Petty]		18	20 ¾
07	The Ground Plott of Duncannon.	✓	28 ¾	39
08	A Survey of the Mouth of the River of Waterford	✓	19 ⅞	16
09	A Prospect of the Fort of Duncannon	✓	12 ½	44
10	A Ground Plott of the narrow part of the River, and the Worke Designed for the Hill over Passage.	✓ ⊙	20	13
11	A Prospect of Passage and the River downe to Duncannon	✓	11	35
12	[Cork Harbour, part of]		21	39 ¾
13	The City of Waterford.	✓	19 ⅞	29 ¾
14	The County of Cork, part of [William Petty]		16 ¾	21 ⅝
15	Corke Harbour at Large.	✓	42 ½	38 ½
16	The City of Corke.	✓	28	39 ⅝
17	A Profile of the Redout	✓ ⊙	15	24 ¾
18	[Map not present]			
19	The Manner how Boomes ought to be made	✓ ✓ ⊙	19 ½	27 ⅝
20	Kinsaile Harbour.	✓ ⊙	30 ⅛	28 ⅞
21	Charles fort at Kinsaile.	✓	20	27 ¼
22	A Prospect of the New Fort Built at Kinsaile		24	42
23	A View of the Bay of Bantrey upon the. S: W: part of Ireland.	✓	13 ¾	38 ⅞
24	The County of Clare [William Petty]		18	23 ¼
25	A Prospect of Limrick.	✓	16	40 ½
26	The County of West Meath [William Petty]		17 ⅞	23 ½
27	The County of Galway, part of [William Petty]		23 ⅛	18
28	The Ground Plaine of Gallway	✓ ⊙	28 ⅝	38
29	A Prospect of Gallway	✓	15	37
30	A Prospect of the Head Land of Derry Woragh	✓	14 ⅞	27 ¾
31	The County of Roscommon [William Petty]		23 ¼	18
32	The Pass of Athlone	✓ ⊙	28 ⅛	37
33	A Prospect of Athlone Castle		11 ¾	15 ⅞
34	The County of Slego [William Petty]		18	23
35	[A Prospect of Slego]		14 ½	37
36	The Ground Plaine of Limrick	✓ ⊙	37 ¾	42 ⅛
37	A Plaine of Charlemont.	✓	28 ¾	38 ¾
38	The Ground Plott of Derry Woragh at the Foot of the River Black- Water : 5 Miles below Charlemont, which is Capable of being made Strong.	✓ ⊙	25 ¼	30 ½
39	The Province of Ulster [William Petty]		18 ⅛	23 ⅛
40	A Draught of the Island of Maghe, The River of Belfast, Carrick Fergus, and the Coast as farr as the Copelan Islands	✓ ⊙	28 ½	38 ⅝
41	The Ground Plott of Belfast with the Cittadell Designed upon the Strand.	✓ ⊙	29	40
42	The Ground Plaine of Carrick Fergus with the Strengthening of the Castle if thought Necessary	✓ ⊙	28 ½	38 ⅝
43	The City of London Derry.	✓ ⊙	28	48
44	A Draught of Cullmore Fort, with a New Designe of Fortifying the same.	✓ ⊙	26	20
45	The River of London Derry, downe to Culmore Fort.	✓ ⊙	19 ½	41
46	[Map of Ireland – composite. William Petty]		36	27 ¾

Appendix II.

Comparison of MS 3137 with MS 2557

MS 3137	Title / Description	MS 2557
01	A General Mapp of Ireland [William Petty]	No duplicate
Not present	Survey of the City of Dublin & part of the Harbour below Ringsend	02
02*	A Draught of the Cittadell to be Built Over Dublin.	03
03*	A Draught of the Castle of Dublin at Present.	01
04*	The Profile of the Cittadell of Dublin	04
05	The Province of Munster [William Petty]	No duplicate
06	The County of Waterford [William Petty]	No duplicate
07*	The Ground Plott of Duncannon.	05
08	A Survey of the Mouth of the River of Waterford	06
09*	A Prospect of the Fort of Duncannon	07
10*	A Ground Plott of the narrow part of the River, and the Worke Designed for the Hill over Passage	08
11*	A Prospect of Passage and the River downe to Duncannon	09
12*	MS 3137: [Generall map of Corke Harbour, part of] MS 2557: Corke Harbour at large. <i>Note: MS 3137 represents a portion of MS 2557</i>	12
13*	The City of Waterford	10
14	The County of Cork, part of [William Petty]	No duplicate
Not present	A Generall Mapp of Cork Harbour	11
15*	Corke Harbour at Large	12
16*	The City of Corke.	13
Not present	A Ground Plaine of ye Redoubt for Corke	14
17*	A Profile of the Redout	15
18		
19	The Manner how Boomes ought to be made	16
20*	Kinsale Harbour	17
21*	Charles fort at Kinsaile	18
22	MS 3137: A Prospect of the New Fort Built at Kinsaile MS 2557: A Prospect of Charles Fort	19
23*	A View of the Bay of Bantrey upon the. S: W: part of Ireland.	20
24	The County of West Meath [William Petty]	No duplicate
25*	A Prospect of Limrick.	22
26	The County of West Meath [William Petty]	No duplicate
27	The County of Galway, part of [William Petty Map]	No duplicate
28*	The Ground Plaine of Gallway	23
29*	A Prospect of Gallway	24
30*	A Prospect of the Head Land of Derry Woragh	30
31	The County of Roscommon [William Petty]	No duplicate
32*	The Pass of Athlone	25
33*	A Prospect of Athlone Castle	26
34	The County of Slego [William Petty]	No duplicate
35*	[A Prospect of Slego]	27
36*	The Ground Plaine of Limrick	21
37*	A Plaine of Charlemont.	28
38*	The Ground Plott of Derry Woragh at the Foot of the River Black- Water: 5 Miles belowe Charlemont, which is Capable of being made Strong.	29
39	The Province of Ulster [William Petty]	No duplicate
40*	A Draught of the Island of Maghe, The River of Belfast, Carrick Fergus, and the Coast as farr as the Copelan Islands	31
41*	The Ground Plott of Belfast with the Cittadell Designed upon the Strand.	32
42*	The Ground Plaine of Carrick Fergus with the Strengthening of the Castle if thought Necessary	33
43*	The City of London Derry.	34
44*	A Draught of Cullmore Fort, with a New Designe of Fortifying the same.	35
45*	The River of London Derry, downe to Culmore Fort.	36
46	[Map of Ireland – composite. William Petty]	No duplicate

- Item is listed in Hayes, Richard J., *Manuscript sources for the history of Irish civilisation*, vol.4.

Appendix III

Proposed Contents of Each *Booke of the Survey of Ireland*

Map	Title / Description
01	A General Mapp of Ireland
02	Citty of Dublin
03	A Draught of the Castle of Dublin att Present
04	A Cittadell of Dublin; And a Profile of the Same
05	Province of Munster
06	County of Waterford
07	Ground Plott of Duncannon.
08	The Mouth of the River of Waterford
09	Prospect of the Fort of Duncannon
10	A Ground Plott of the Narrow part of the River, and the Worke Designed for the Hill over Passage
11	A Prospect of Passage and the River Downe to Duncannon
12	Generall Mapp of Corke Harbour,
13	Citty of Waterford
14	County of Cork, part of
15	Corke Harbour at Large
16	The Citty of Corke.
17	Ground plaine of the Redouts of Cork
18	A Profile of the Redouts
19	The manner how Boomes Ought to be made
20	Kinsaille Harbour
21	Charles Fort at Kinsaille
22	Prospect of the New Fort Built at Kinsaille
23	A View of the Bay of Bantry upon the. S: W: of Ireland.
24	County of Clare
25	Prospect of Limrick.
26	Ground Plaine of Limrick
27	County of Mayo
28	Ground Plaine of Gallway
29	Prospect of Gallway
30	County of West Meath
31	County of Roscommon
32	Passe of Athlone
33	Prospect of Athlone Castle
34	County of Slego
35	A Prospect of Slego
36	Province of Ulster
37	A Plaine of Charlemont.
38	Ground Plott of Derry-Woragh att the Foot of the River Blackwater
39	Prospect of the head Land of Derry Worragh
40	Island of Maghe, and River of Bellfast, etc.
41	Ground Plott of Bellfast with the Cittadell Designed.
42	Ground Plaine of Carricke Fergus with the Strengthening of the Castle
43	The Citty of London Derry.
44	A Draught of Cullmore Fort, with a New Designe of Fortifying the Same.
45	The River of London Derry downe to Culmore Fort.
46	Genll. Mapp of Ireland

Appendix IV. Title and Measurements MS 3137				
Map	Title / Description	Signed Pricked	Height [ins]	Width [ins]
Map 01	General Mapp of Ireland [printed : William Petty Map]		27 ¼	20 ¼
Map 02	A Draught of the Cittadell to be Built Over Dublin.	✓	39 ½	28 ¾
Map 03	A Draught of the Castle of Dublin at Present.		25 ¾	20
Map 04	The Profile of the Cittadell of Dublin.		10	42
Map 05	The Province of Munster [printed : William Petty Map]		18 ½	23 ¾
Map 06	The County of Waterford [printed : William Petty Map]		18	20 ¾
Map 07	The Ground Plott of Duncannon.	✓	28 ¾	39
Map 08	A Survey of the Mouth of the River of Waterford	✓	19 7/8	16
Map 09	A Prospect of the Fort of Duncannon	✓	12 ½	44
Map 10	A Ground Plott of the narrow part of the River, and the Worke Designed for the Hill over Passage.	✓⊙	20	13
Map 11	A Prospect of Passage and the River downe to Duncannon	✓	11	35
Map 12	Untitled [Cork Bogg] Corke Harbour		21	39 ¾
Map 13	The City of Waterford.	✓	19 7/8	29 ¾
Map 14	The County of Cork, part of [printed : William Petty Map]		16 ¾	21 5/8
Map 15	Corke Harbour at Large.	✓	42 ½	38 ½
Map 16	The City of Corke.	✓	28	39 5/8
Map 17	A Profile of the Redout	✓⊙	15	24 ¾
Map 18	No Map			
Map 19	The Manner how Boomes ought to be made NOT IN SEQUENCE HERE	✓✓⊙	19 ½	27 5/8
Map 20	Kinsaille Harbour.	✓⊙	30 1/8	28 7/8
Map 21	Charles fort at Kinsaille.	✓	20	27 ¼
Map 22	A prospect of the New Fort built at Kinsaille		24	42
Map 23	A View of the Bay of Bantrey upon the. S: W: part of Ireland.	✓	13 ¾	38 7/8
Map 24	The County of Clare [printed : William Petty Map]		18	23 ¼
Map 25	A Prospect of Limrick.	✓	16	40 ½
Map 26	The County of West Meath [printed : William Petty Map]		17 7/8	23 ½
Map 27	The County of Galway [printed : William Petty Map]		23 1/8	18
Map 28	The Ground Plaine of Gallway	✓⊙	28 5/8	38
Map 29	A Prospect of Gallway	✓	15	37
Map 30?	A Prospect of the Head Land of Derry Woragh	✓	14 7/8	27 ¾
Map 31	The County of Roscommon [printed : William Petty Map]		23 ¼	18
Map 32	The Pass of Athlone	✓⊙	28 1/8	37
Map 33	A Prospect of Athlone Castle		11 ¾	15 7/8
Map 34	The County of Slego [printed : William Petty Map]		18	23
Map 35	[A Prospect of Slego]		14 ½	37
Map 36	The Ground Plaine of Limrick	✓⊙	37 ¾	42 1/8
Map 37	A Plaine of Charlemont.	✓	28 ¾	38 ¾
Map 38	The Ground Plott of Derry Woragh at the Foot of the River Black- Water : 5 Miles below Charlemont, which is Capable of being made Strong.	✓⊙	25 ¼	30 ½
Map 39	The Province of Ulster [printed : William Petty Map]		18 1/8	23 1/8
Map 40	A Draught of the Island of Maghe, The River of Belfast, Carrick Fergus, and the Coast as farr as the Copelan Islands	✓⊙	28 ½	38 5/8
Map 41	The Ground Plott of Belfast with the Cittadell Designed upon the Strand.	✓⊙	29	40
Map 42	The Ground Plaine of Carrick Fergus with the Strengthening of the Castle if thought Necessary	✓⊙	28 ½	38 5/8
Map 43	The City of London Derry.	✓⊙	28	48
Map 44	A Draught of Cullmore Fort, with a New Designe of Fortifying the same.	✓⊙	26	20
Map 45	The River of London Derry, downe to Culmore Fort.	✓⊙	19 ½	41
Map 46	[A Generall Map of Ireland] [printed : William Petty Map]		36	27 ¾

Map	Appendix V. Title and Measurements MS 2557	Height [ins]	Width [ins]
Map 01 (10)	A draught of the Castle of Dublin at Present	20	8 ¼
Map 02	Survey of the City of Dublin and part of the Harbour below Ringsend	Not present	
Map 03 (13)	Draught of Cittadell to be built over Dublin	28 ¾	33 ½
Map 04 (14)	Profile of the Cittadel of Dublin	13	29 ½
Map 05 p.19	The Ground plott of Duncannon	28 ½	39 ½
Map 06 p.20	A Survey of ye Mouth of the River Waterford	17 ½	20 5/8
Map 07 (21)	A Prospect of ye Fort of Duncannon	14 ¼	45 5/8
Map 08 (22)	A Ground plott of ye Narrow part of ye River, & ye worke designed for the hill over Passage	20 7/8	29 1/8
Map 09 (23)	A Prospect of Passage, & ye River downe to Duncannon	15 ¼	14
Map 10 (26)	The City of Waterford	20 ¾	29
Map 11 (27)	A Generall Mapp of Cork Harbour	20 ¼	28 1/8
Map 12 (28)	Corke Harbour at large	20 7/8	39 ¾
Map 13 (29)	The City of Corke	29	39 ¾
Map 14 (30)	A Ground plaine of ye Redoubt for Corke.	20 ½	29
Map 15 (31)	Profile of the Redoubt	20 ¾	24 ¾
Map 16 (32)	The Manner how Boomes ought to be made	20 ¾	28 ½
Map 17 (35)	Kinsale Harbour	20 ½	28 ½
Map 18 (36)	Charles Fort at Kinsale	20 ½	28 ¼
Map 19 (36A)	A Prospect of Charles Fort.	18	42
Map 20 (40A)	A View of ye Bay of Bantry upon ye So Wt of Ireland	14 ½	41
Map 21 (41)	The Ground plaine of Limrick	40 ½	42 5/8
Map 22 (42)	A Prospect of Limrick	18	42
Map 23 (45)	The Ground plaine of Gallway	29 ½	40 ½
Map 24	Prospect of Gallway	17 ¼	39
Map 25 (49)	The Pass of Athlone	39 ¾	55 ¾
Map 26 (50)	A Prospect of Athlone Castle	20 ¼	21 ½
Map 27	Prospect of Sligo	Not present	
Map 28 (54)	A Plaine of Charlemont	28 ½	39 3/8
Map 29 (55)	The Ground plott of Derry Woragh At the Foot of the Black Water 5 miles below Charlemont, which is capable of being made Strong.	28 ¾	25 ¼
Map 30 (56)	A Prospect of the Head-land of Derry Woragh	17	28 3/8
Map 31 (59)	A draught of ye Island of Magee The River of Belfast, Carrickfergus, and the Coast as farr as ye Coplan Islands.	29 ¼	40 3/8
Map 32 (60)	The Ground plott of Belfast with ye Cittadel designed on the Strand.	29	39 7/8
Map 33 (63)	The Ground plaine of Carrick-fergus, with ye Strengthening of the Castle if thought Necessary	28 7/8	39 3/8
Map 34 (66)	The City of Londonderry	28 7/8	49
Map 35 (67)	A draught of Culmore Fort with a New designe of Fortifying the same	29	20
Map 36 (68)	The River of Londonderry downe to Culmoer Fort.	20 1/8	42 1/8