

On Her Majesty's Service

WASE 4
WAI 474

A Treatise on
Gunpowder 1830
Frederick Drayson

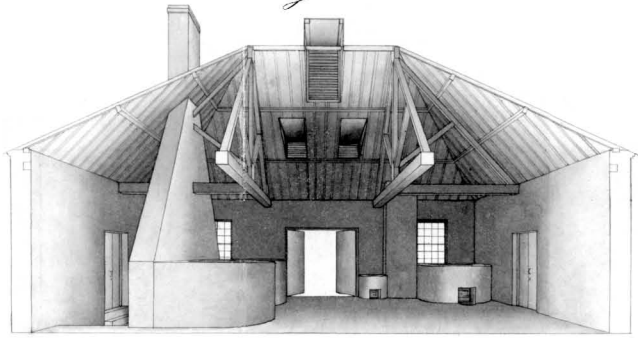
Photographs
of Drawings

ILLUSTRATIONS Full Set

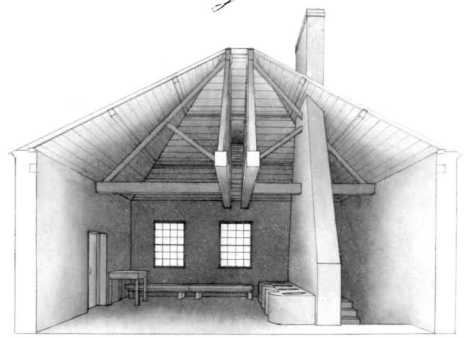
F14 ?

No. 1
Drawings of a Saltpetre Boiling and a Melting House

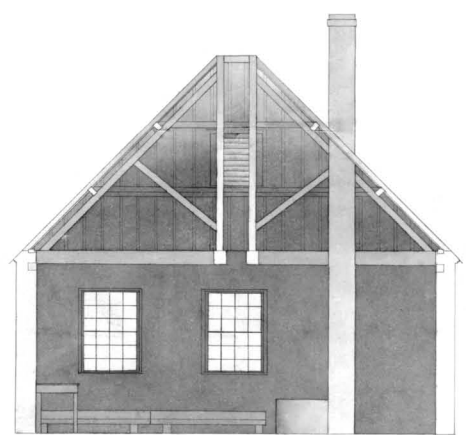
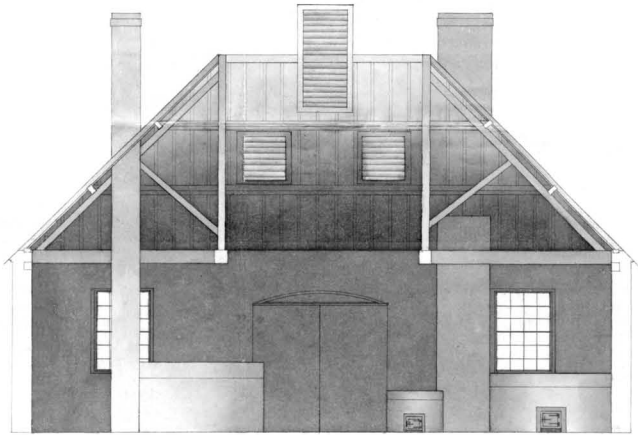
Boiling House



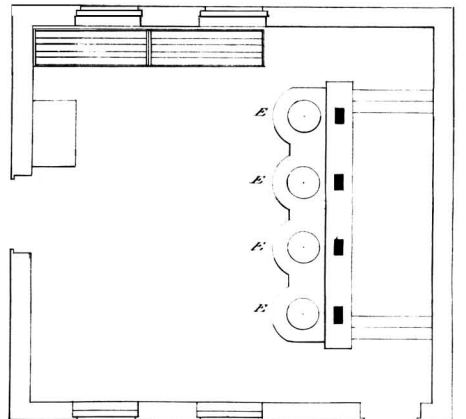
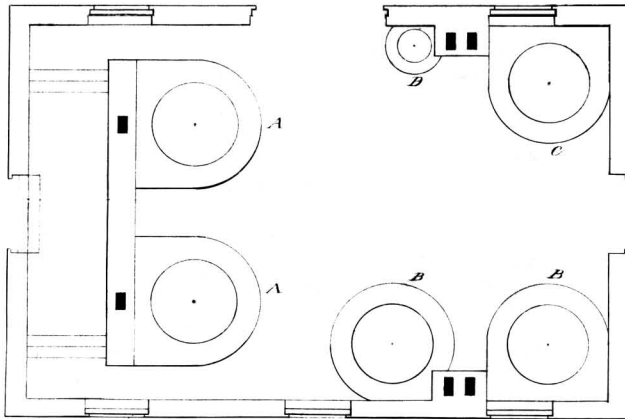
Melting House



PERSPECTIVE VIEWS OF THE INTERIORS



GEOMETRICAL SECTIONS

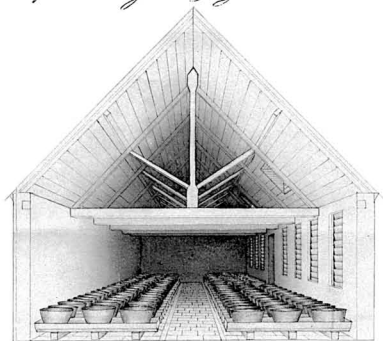


Ground Plans

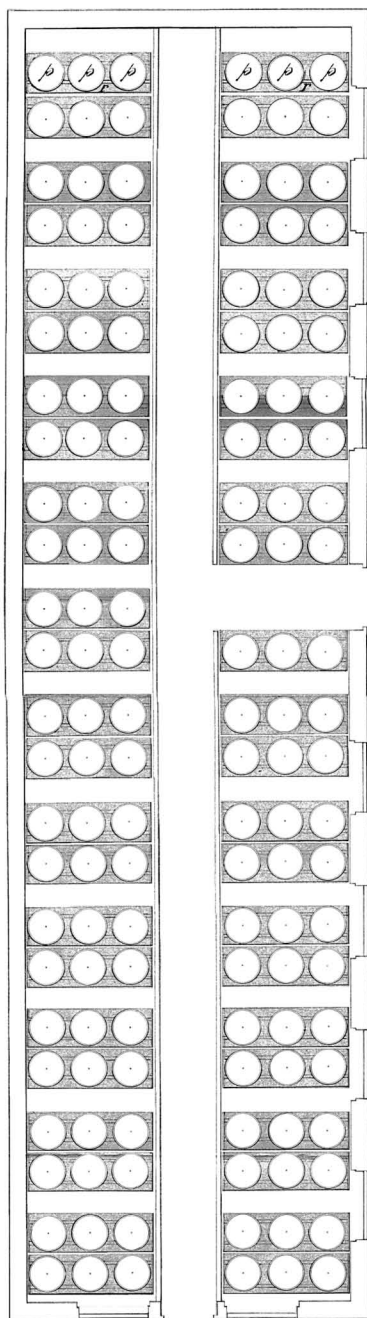
Scale of 3 feet to an Inch

Thos. G. Mason

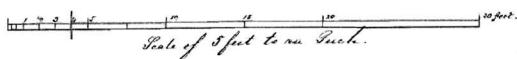
No. 2
Saltpetre Crystallizing House.



Perspective View of the Interior



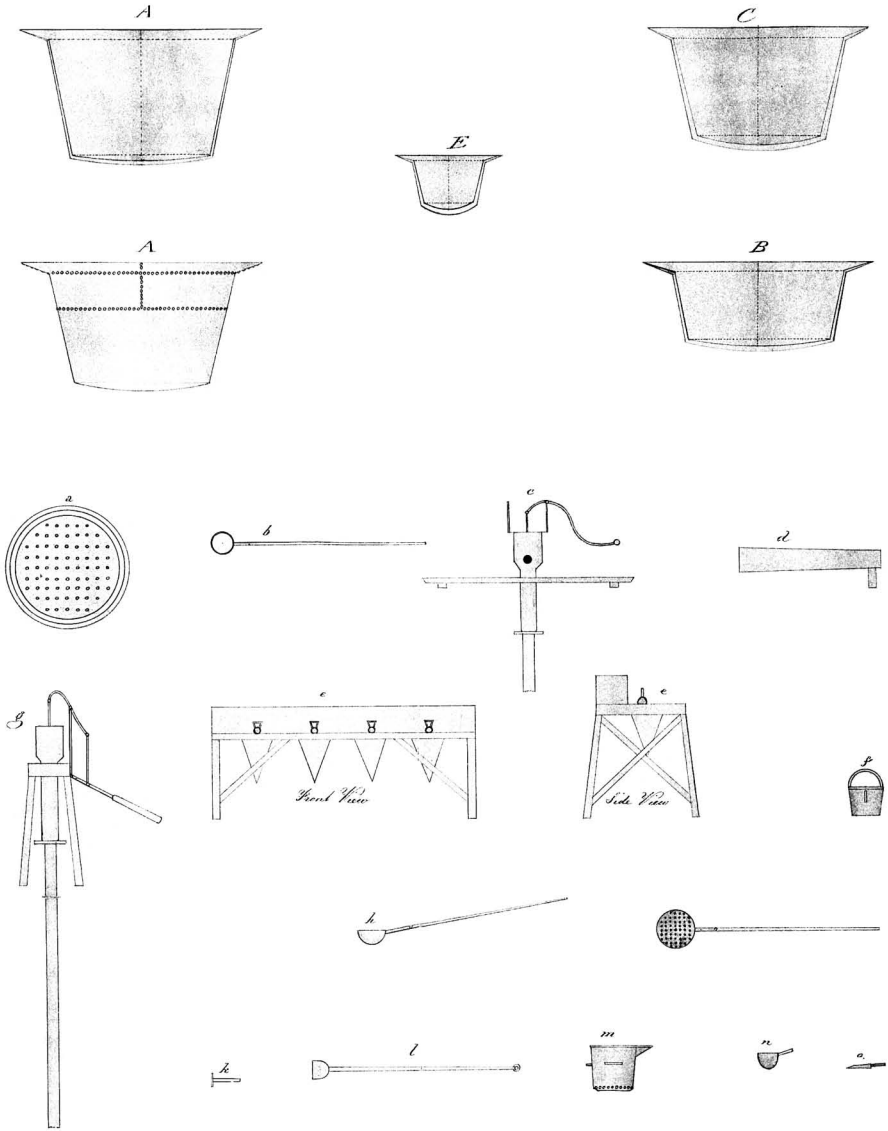
Ground Plan.



Wm. Dayson

Drawing of the Utensils used in a Saltpetre Refinery.

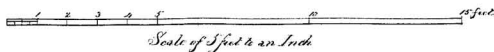
Utensils used in the Boiling House.

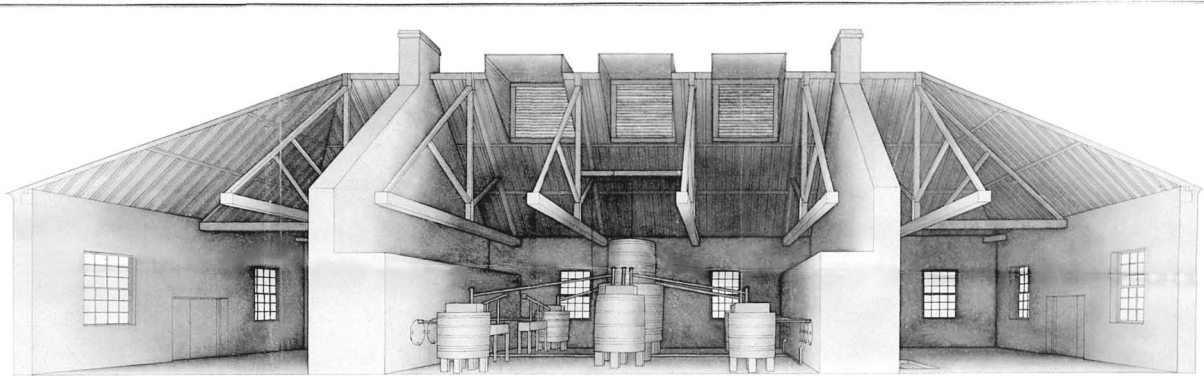


Utensils used in the Crystallizing House.

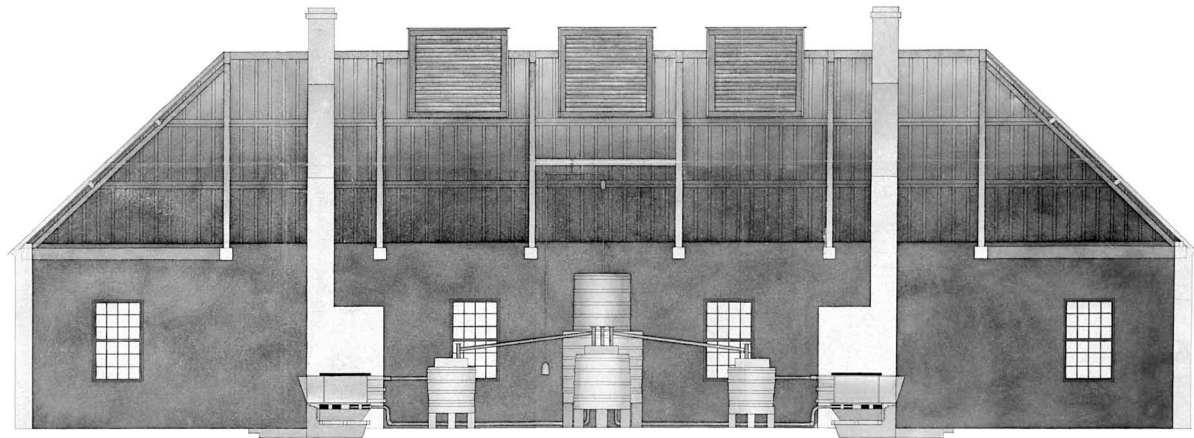


Utensils used in the Melting House.

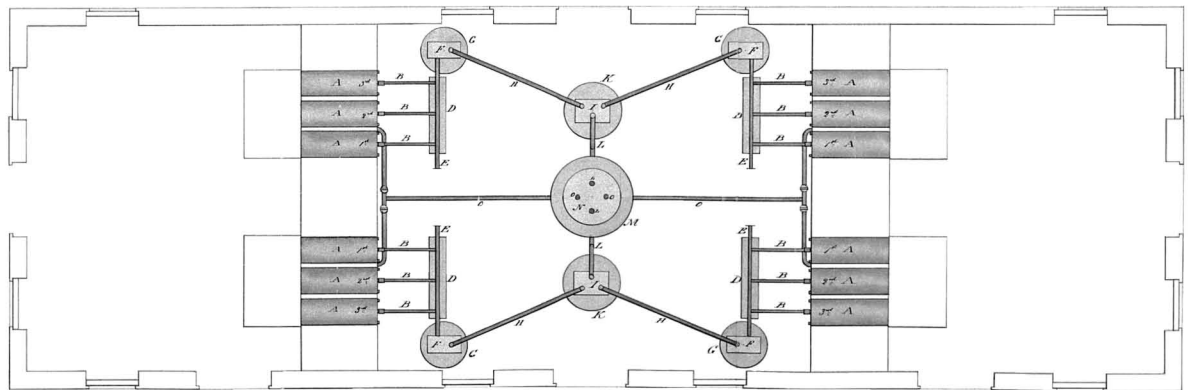




PERSPECTIVE VIEW OF THE INTERIOR.



GEOMETRICAL SECTION



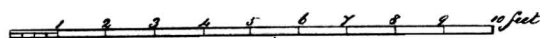
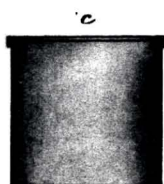
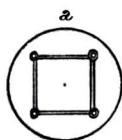
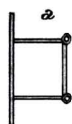
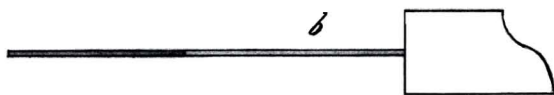
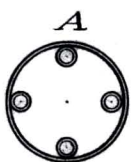
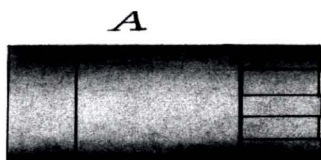
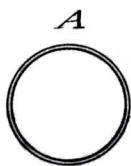
GROUND PLAN

Scale of 3 feet to an Inch.

Frederick Douglass.

No. 5

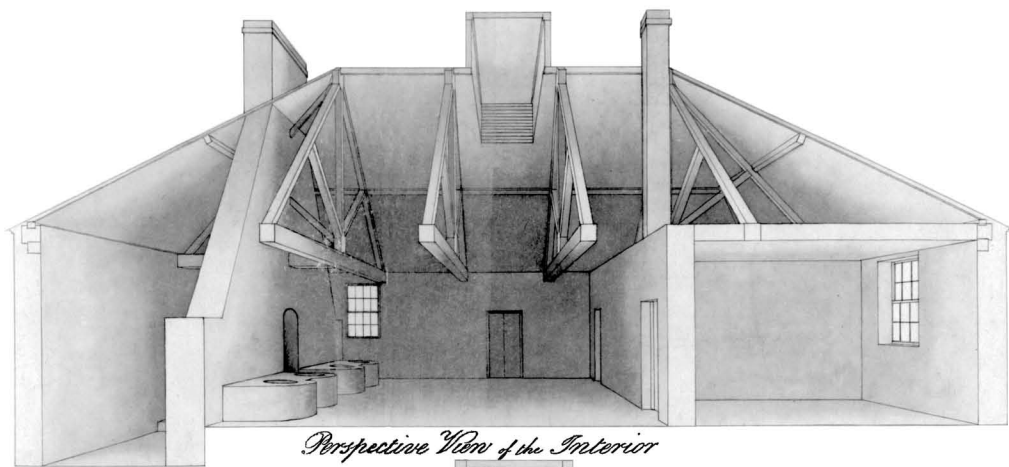
Drawing of the Utensils used in a Cylinder House.



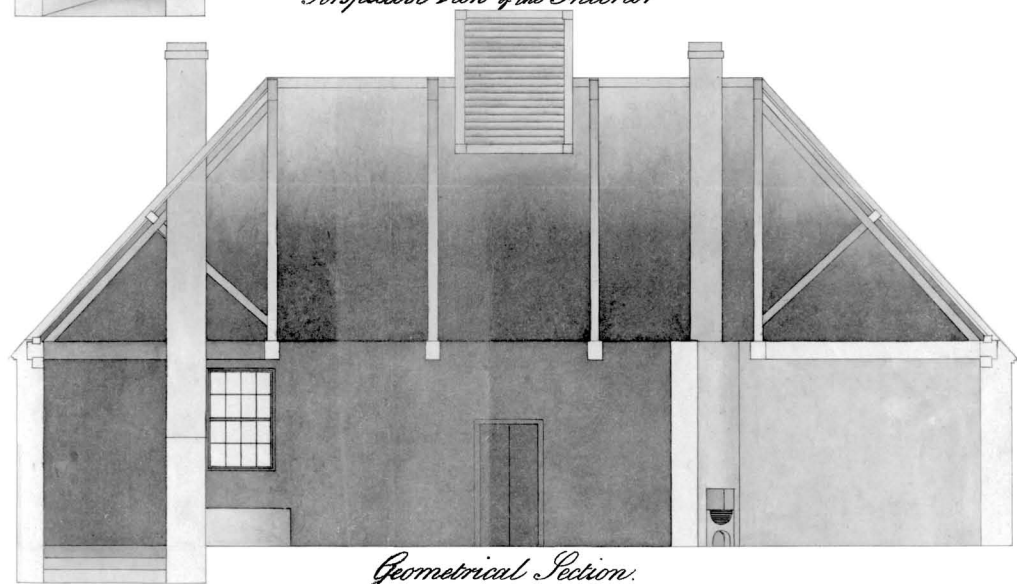
Scale of 2¹/₂ ft. 6ⁱⁿ to an Inch

Fred. Drayson.

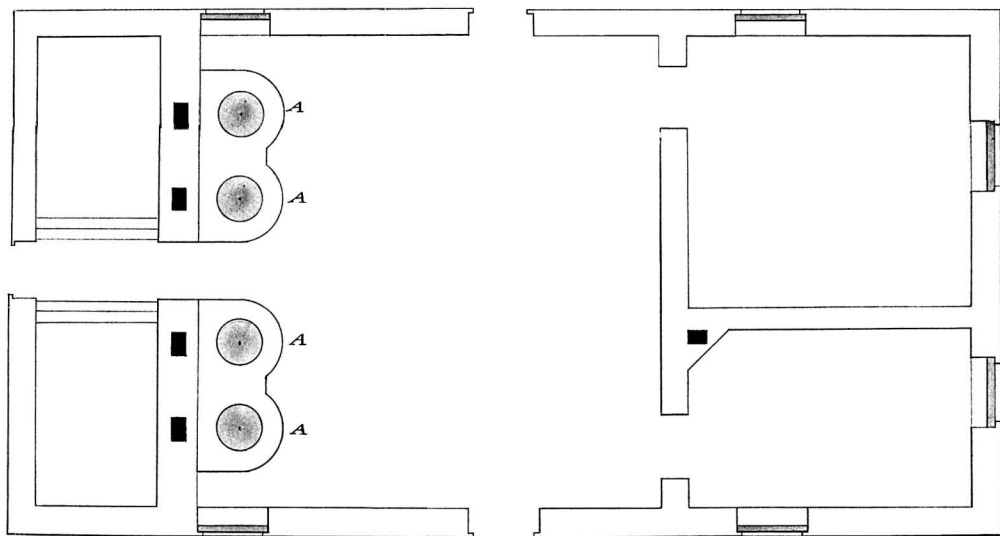
Drawings of the Building for Refining Sulphur by Fusion.



Perspective View of the Interior



Geometrical Section.



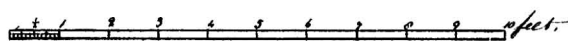
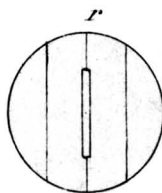
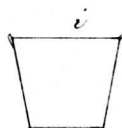
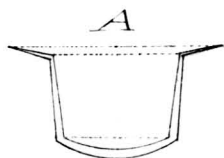
Ground Plan.

Scale of 5 feet to an Inch.

Fred. P. Mayson.

N^o 7.

Drawings of the Utensils used in the Building for Refining Sulphur by Fusion

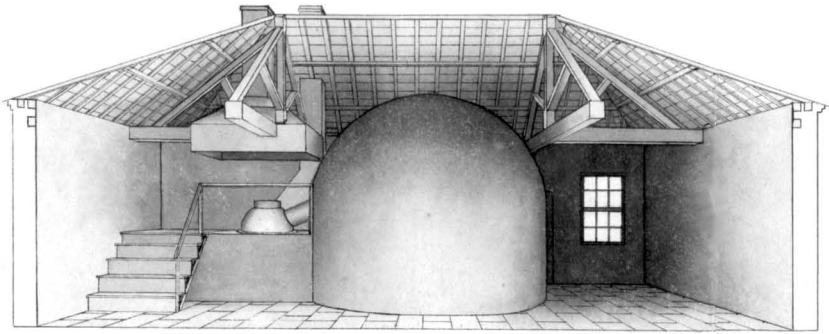


Scale of 2 1/2 feet to an Inch

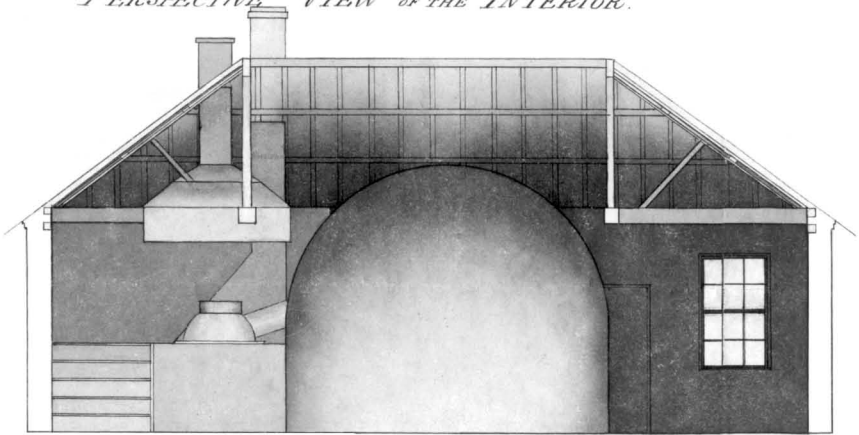
Fred. D. Drayton.

N^o 8

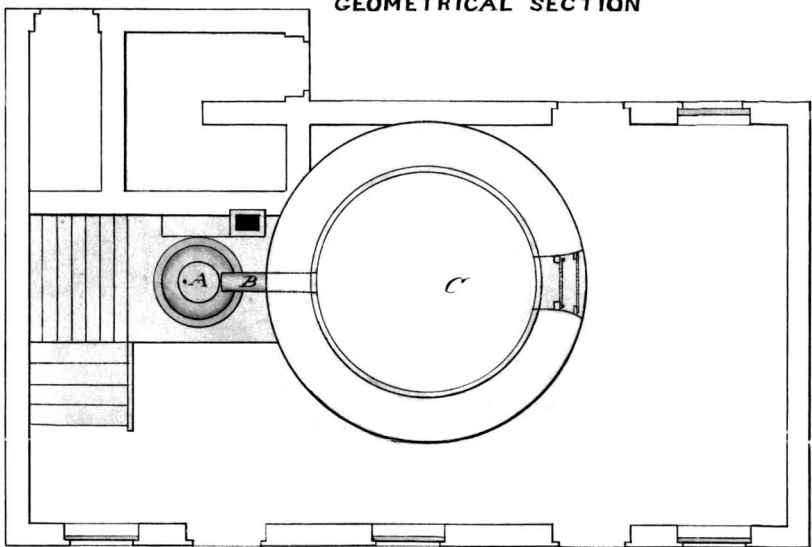
Drawings of a Building for Refining Sulphur by Sublimation



PERSPECTIVE VIEW OF THE INTERIOR.



GEOMETRICAL SECTION

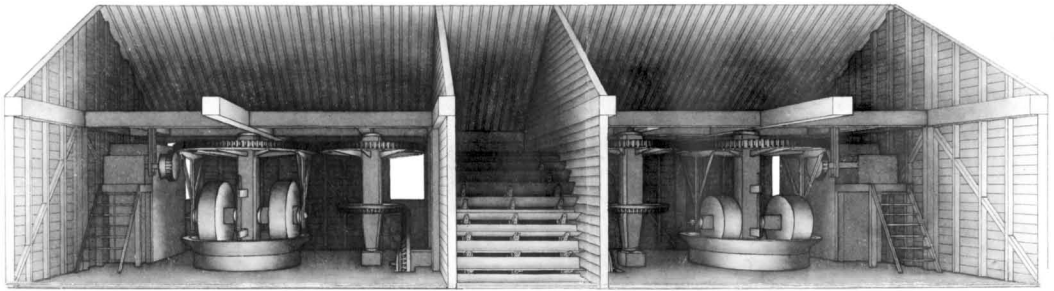


Ground Plan.

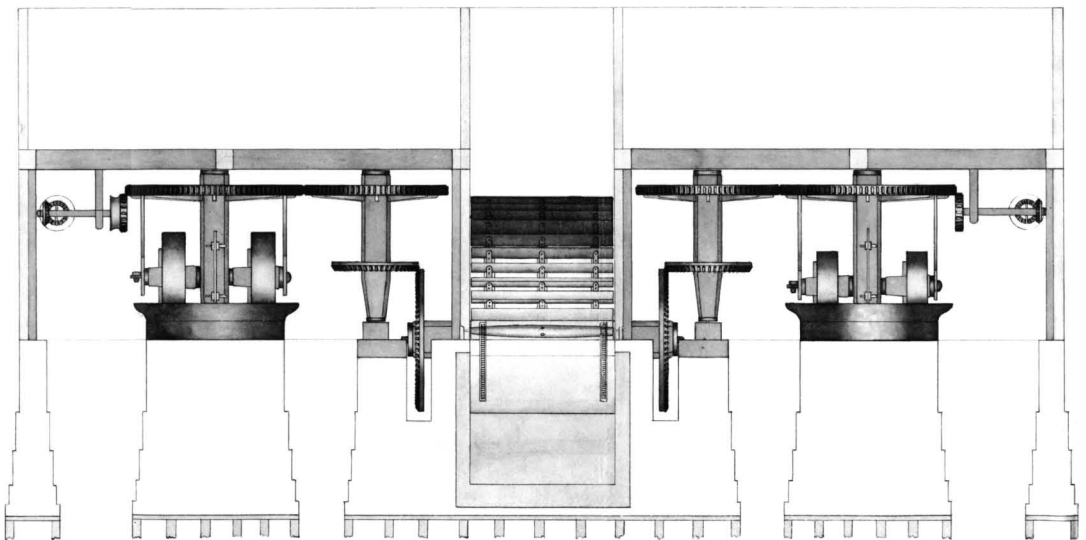
1 5 10 15 20 30 feet.
Scale of 5 feet to an Inch

Fred. Drayson.

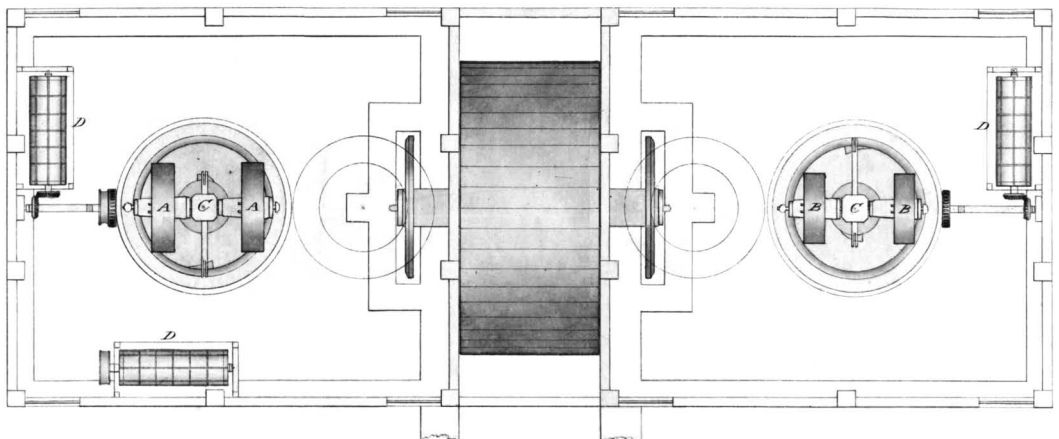
N^o 9
Drawings of a Water Composition Mill.



PERSPECTIVE VIEW OF THE INTERIOR.



GEOMETRICAL SECTION



GROUND PLAN

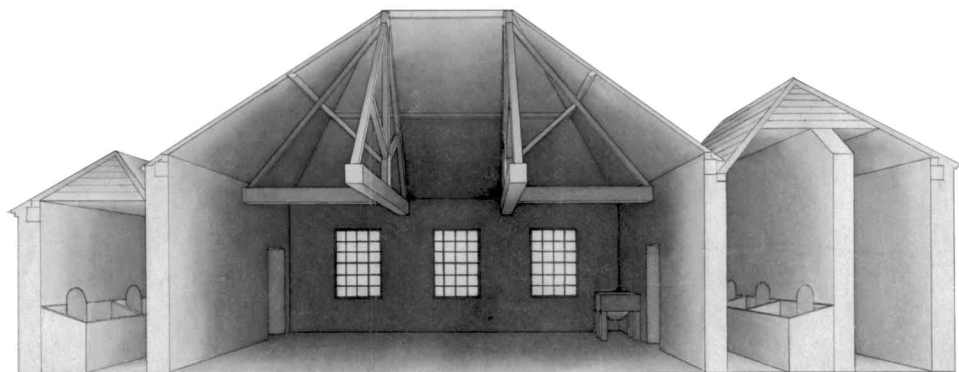
1 2 3 4 5 6 7 8 9 10 11 12
Scale of 3 feet to an Inch.

Jed. & Gayson.

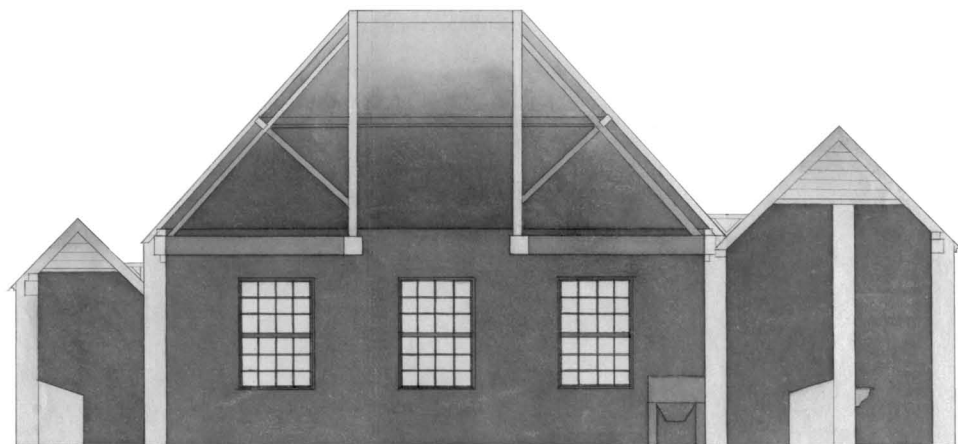
Drawings of the Mixing House and of the Utensils used therein.



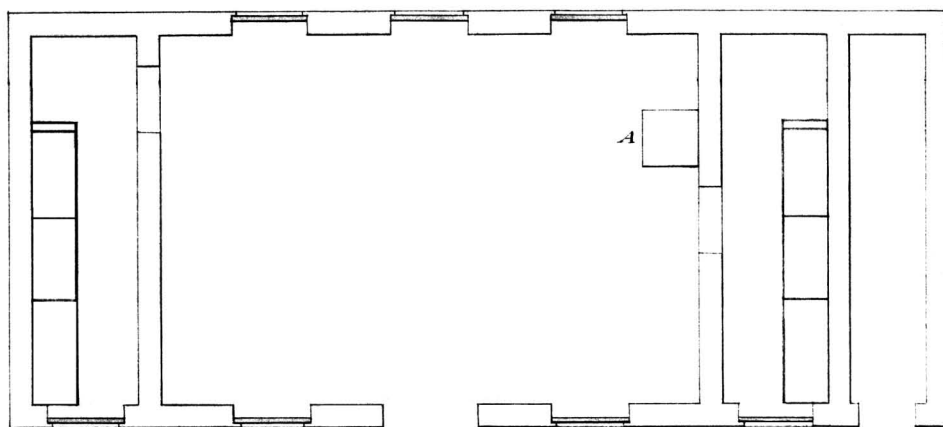
Scale of 8 1/2" to an Inch



Perspective View of the Interior



Geometrical Section

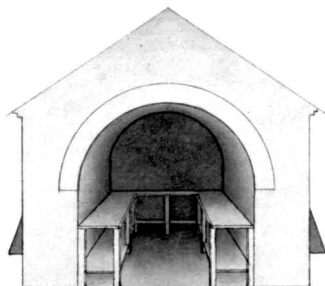


Ground Plan.

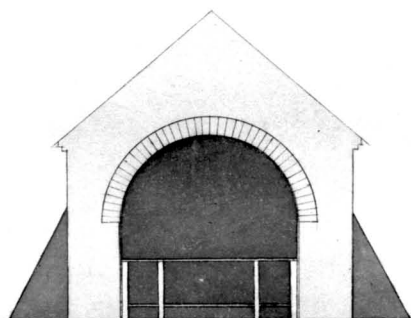
Scale of 5 feet to an Inch

Thos. D. Rogers.

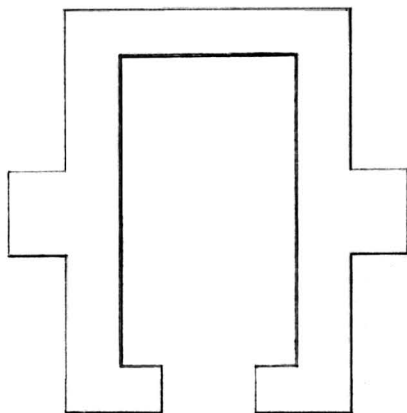
N^o 11
Drawings of a Charge Magazine



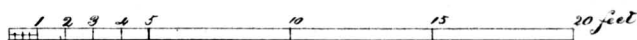
Perspective View of the Interior



GEOMETRICAL SECTION



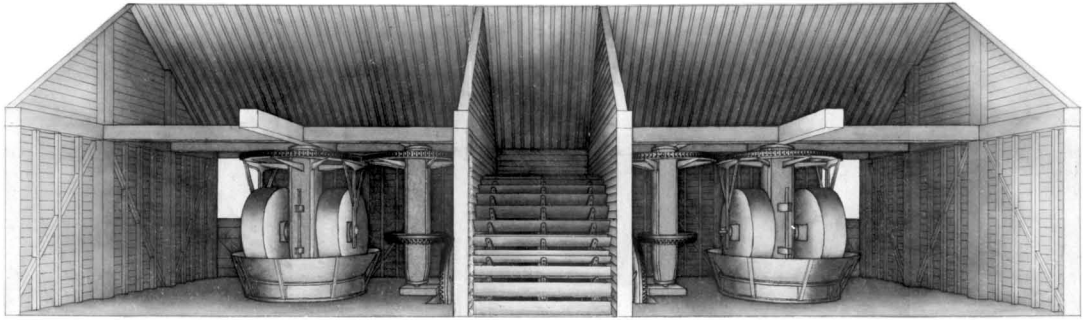
GROUND PLAN



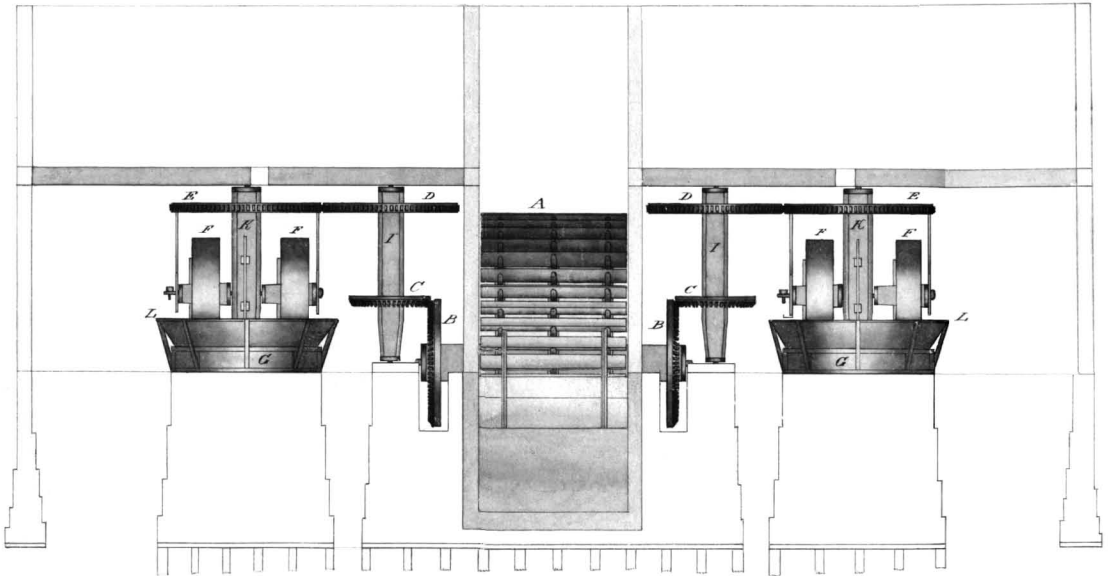
Scale of 5 feet to an Inch

Wm. D. Drayson.

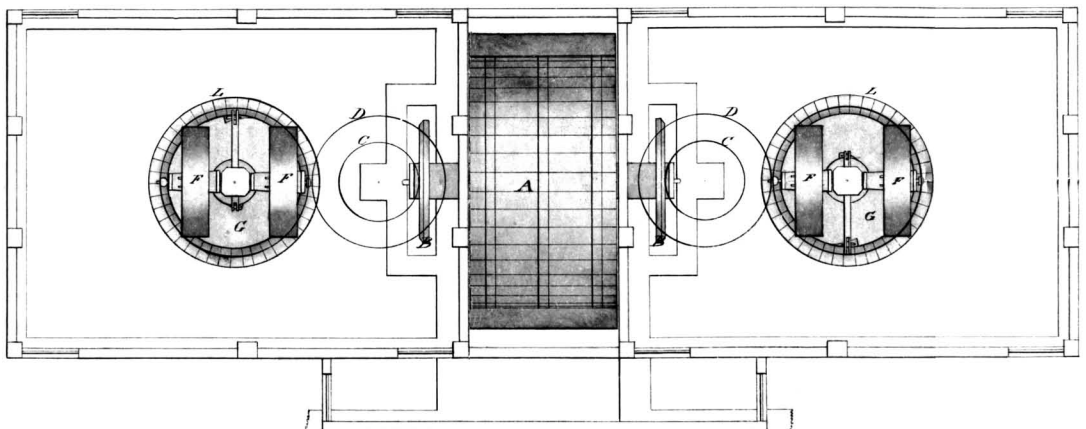
N^o 12
Drawings of a Gunpowder Mill



PERSPECTIVE VIEW OF THE INTERIOR.



GEOMETRICAL SECTION



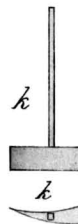
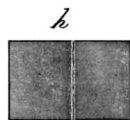
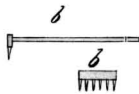
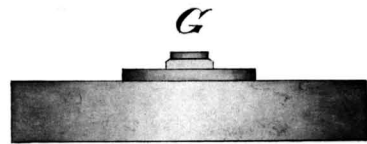
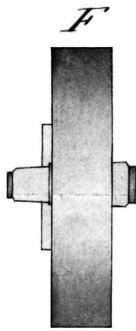
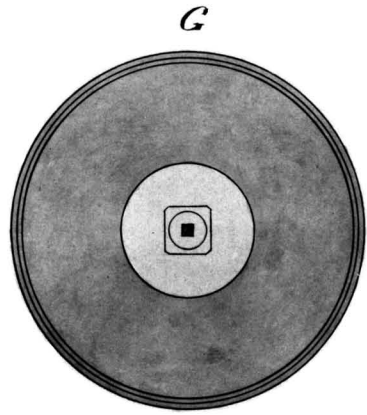
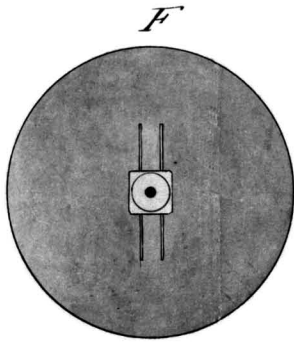
Ground Plan.

Scale of 1 foot to an Inch.

Thos. Dwyer

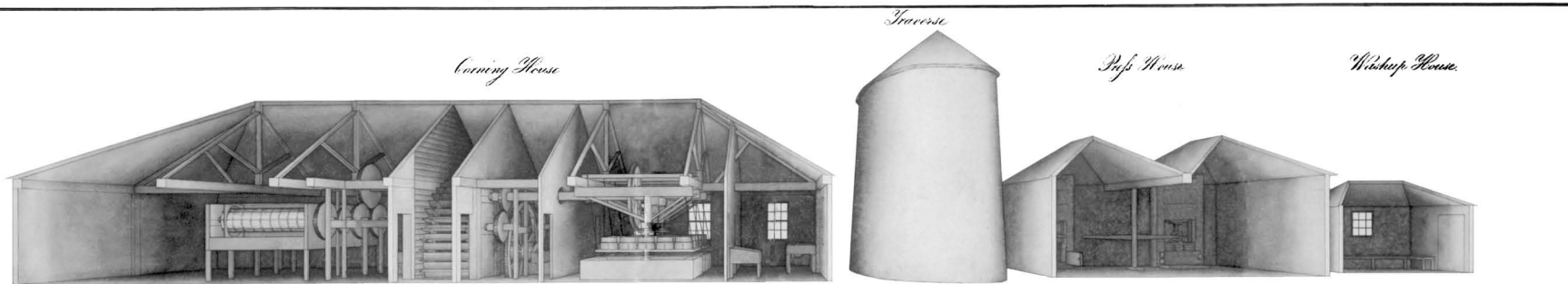
N^o 13.

Drawing of the Utensils used in a Gunpowder Mill.

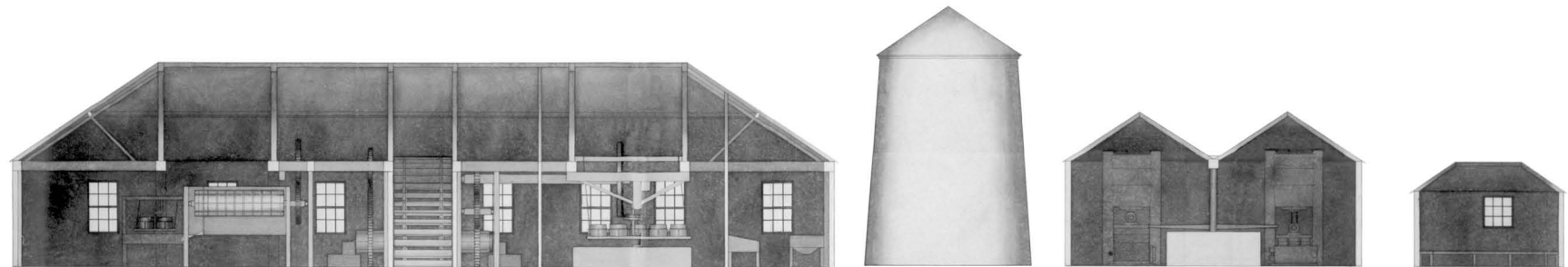


Scale of 2¹/₂ 6ⁱⁿ to an Inch

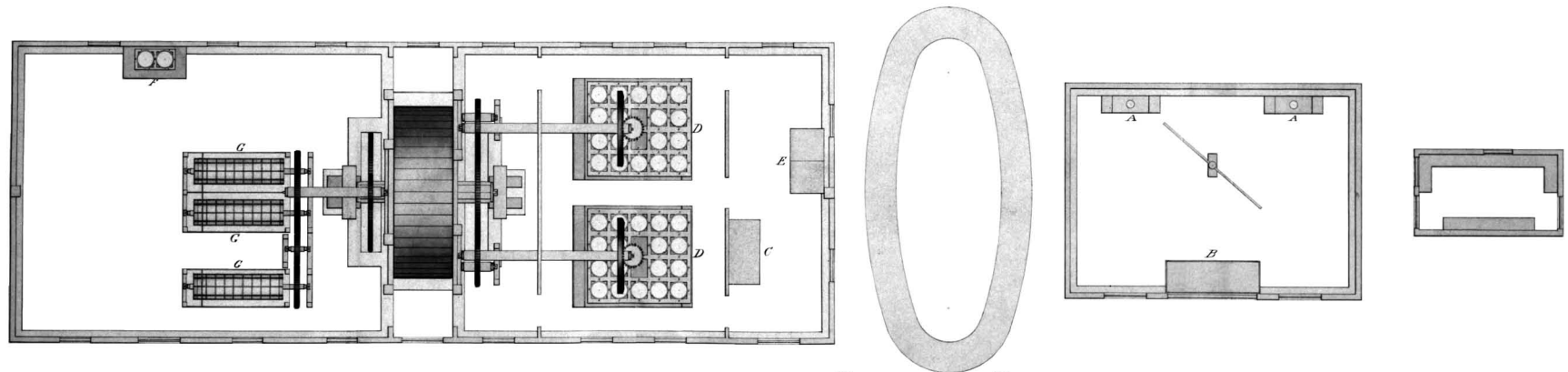
Edw. Drayson.



PERSPECTIVE VIEWS OF THE INTERIORS.



GEOMETRICAL SECTIONS

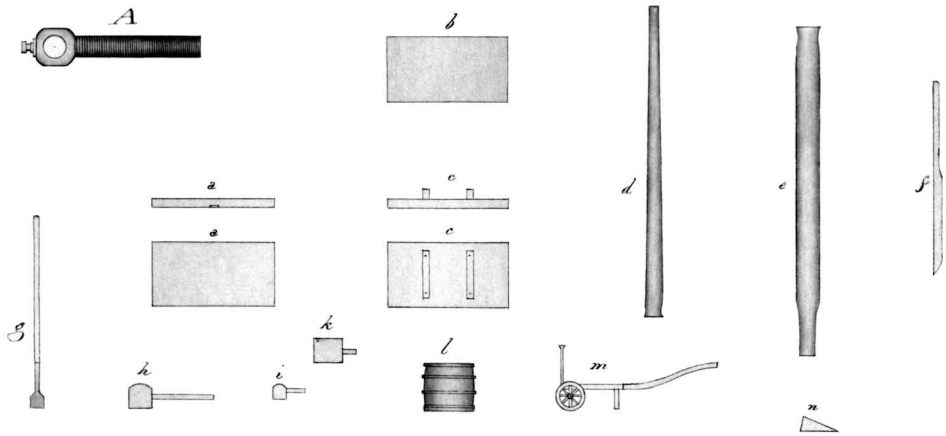


GROUND PLANS

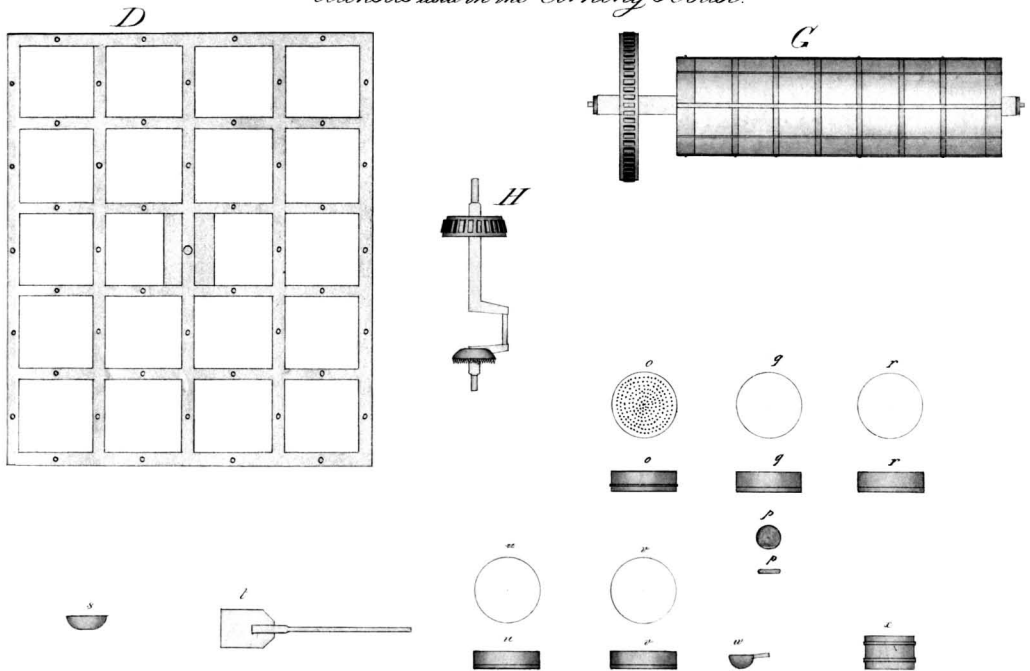
Scale of 18 feet to an Inch

Drawing of the Utensils used in a Press and Corning House working Shaking Frames.

Utensils used in the Press House.



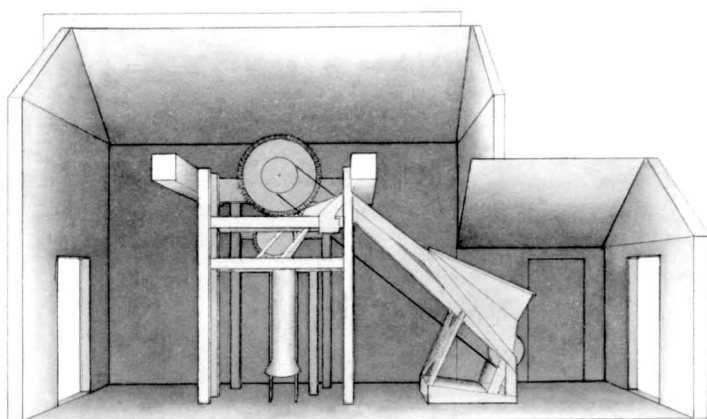
Utensils used in the Corning House.



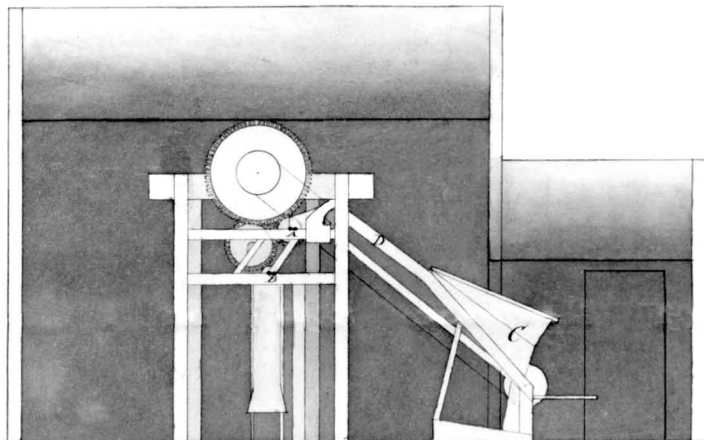
Scale of 2 1/2" to an Inch.

N^o 16.

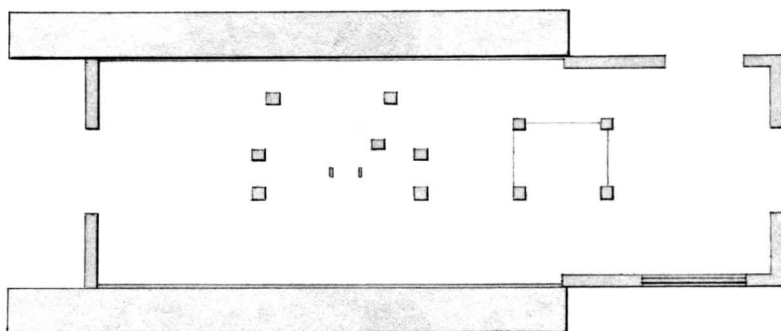
Drawings of the Building for Breaking Mill Cake.



PERSPECTIVE VIEW OF THE INTERIOR.



GEOMETRICAL SECTION



Ground Plan.

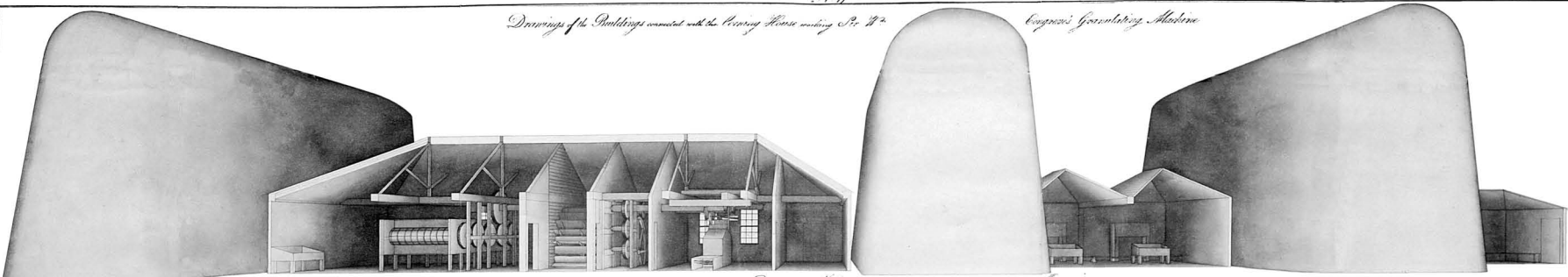
1 2 3 4 5 10 15 20 feet

Scale of 5 feet to an Inch

Thos. Drayson.

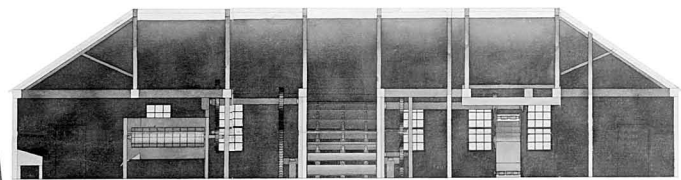
Drawings of the Buildings connected with the Cotton House, No. 11.

Logan's Granulating Machine

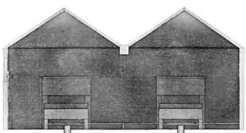


Respective Views of

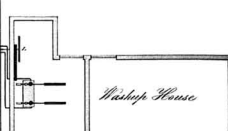
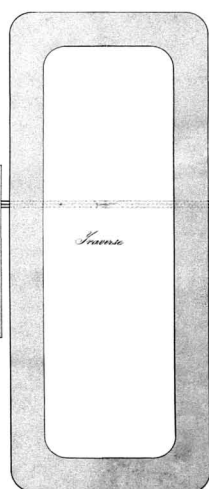
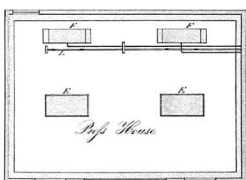
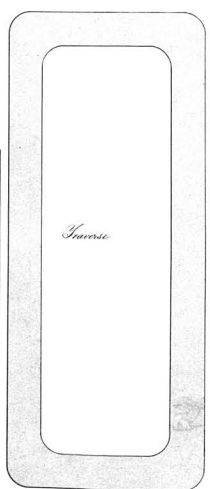
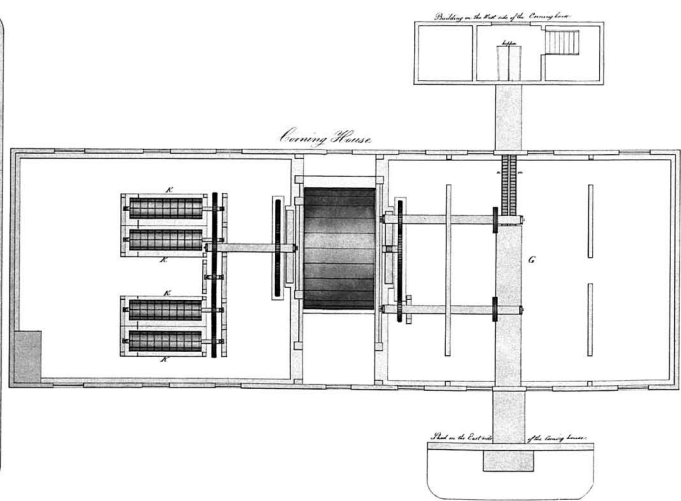
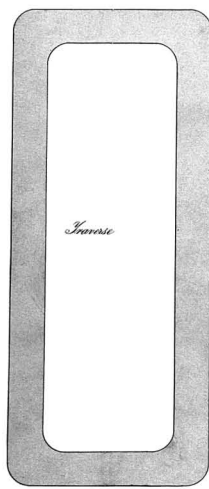
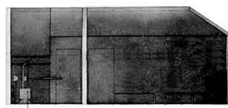
the Mills.



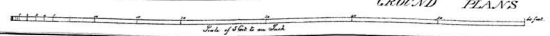
GEOMETRICAL



SECTION



GROUND PLANS



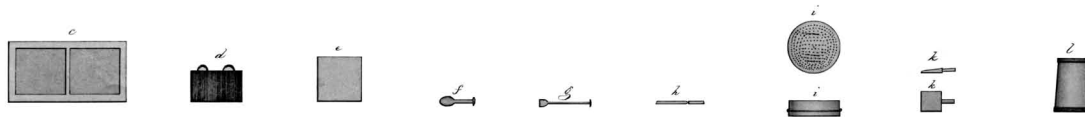
East-Prague

Utensils used in the Buildings connected with the Corning House working Sir W. Congreve's Granulating Machine

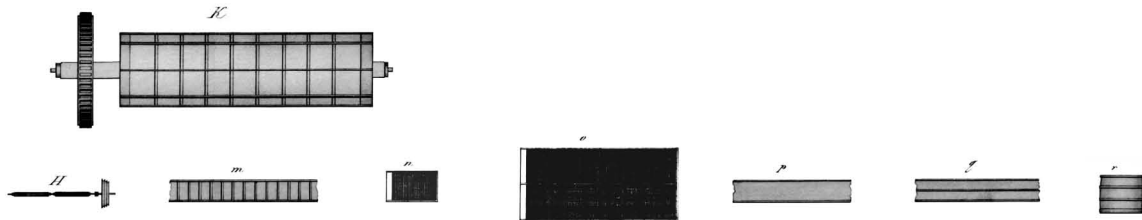
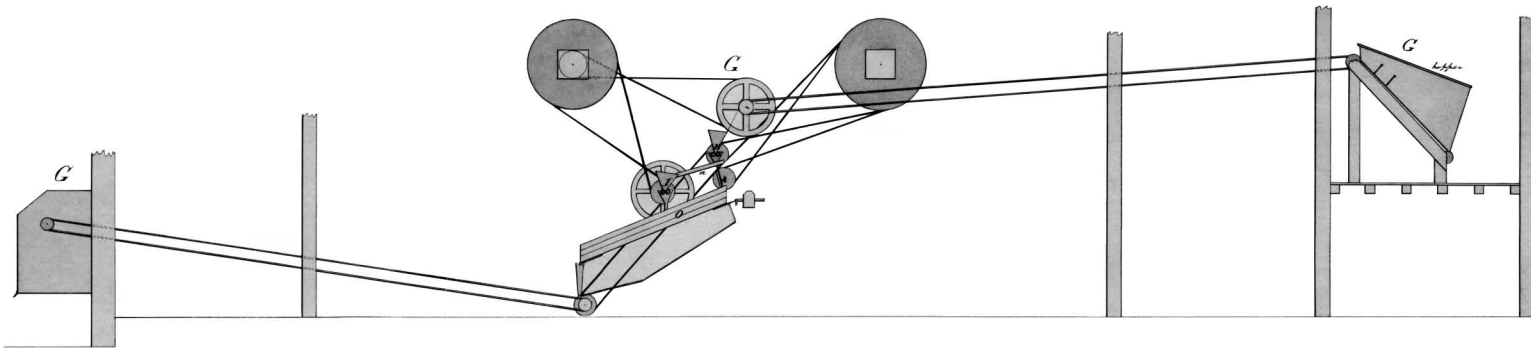
Utensils used in the Breaking House



Utensils used in the Press House



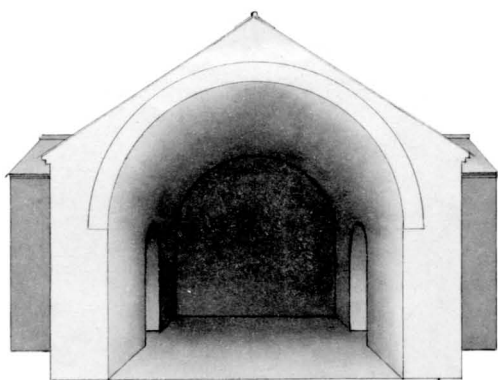
Utensils used in the Corning House



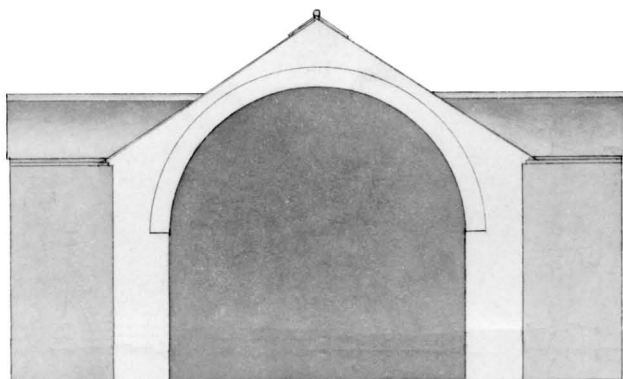
Scale of 1/4 to 1/2 in. to an Inch.

And. Dugan

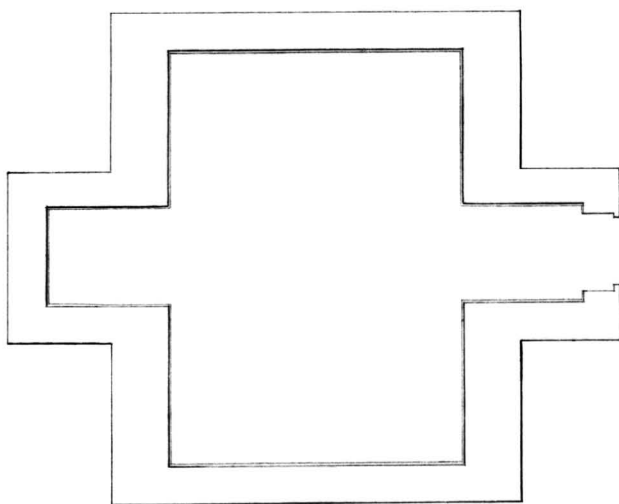
N^o 19.
Drawings of a Receiving Magazine



PERSPECTIVE VIEW OF THE INTERIOR



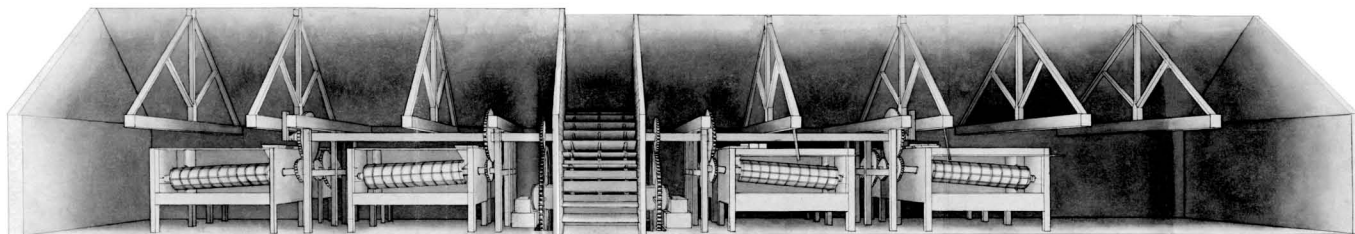
GEOMETRICAL SECTION



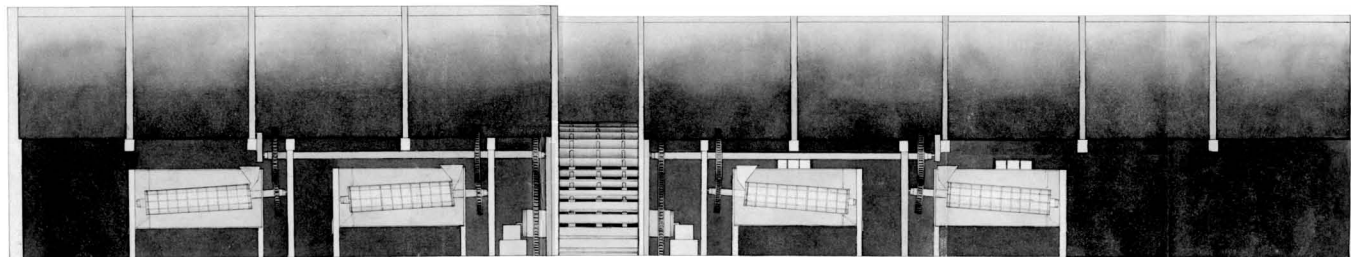
Ground Plan.

1 2 3 4 5 10 15 20 feet
Scale of 5 feet to an Inch.

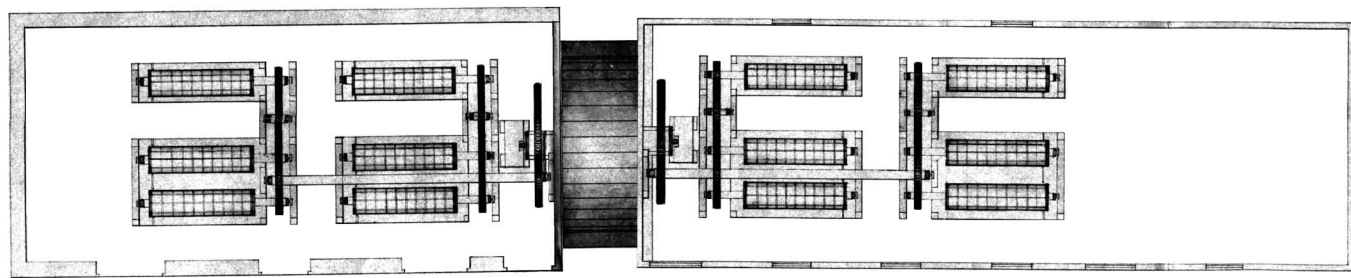
Fredt Drayson.



PERSPECTIVE VIEW OF THE INTERIOR.



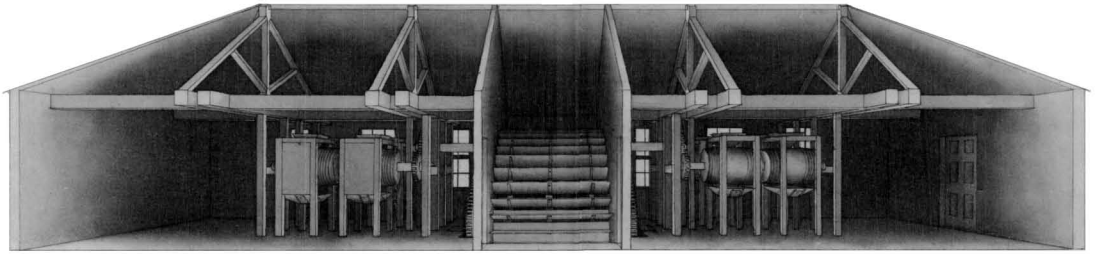
GEOMETRICAL SECTION



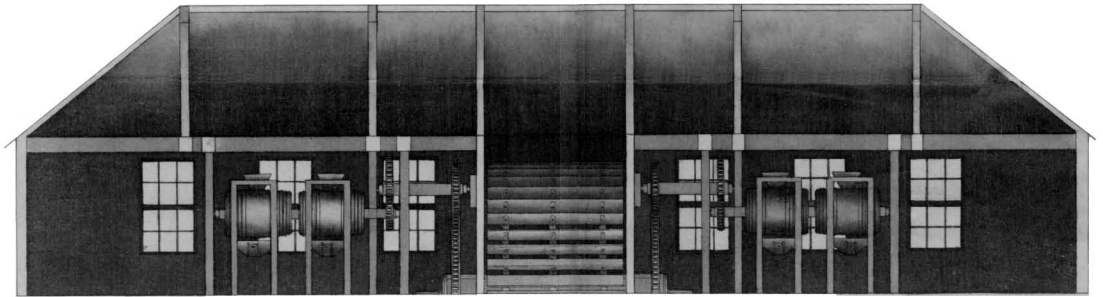
Ground Plan.

Scale of 3 feet to an Inch

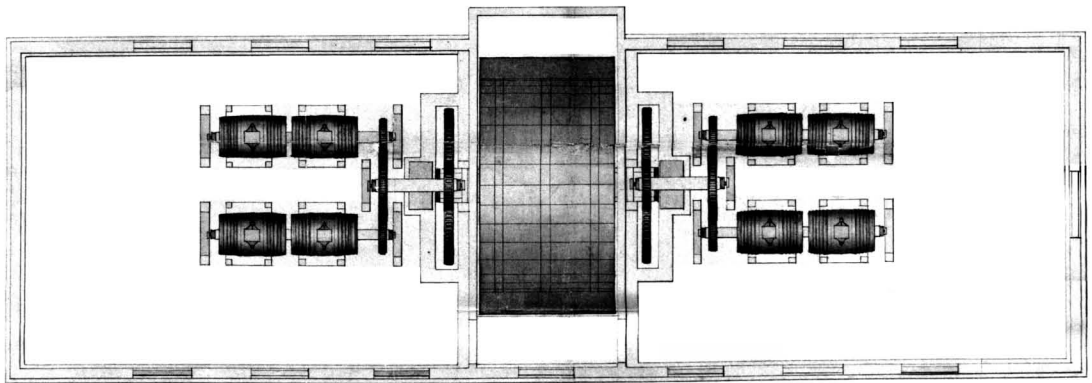
N^o 21
Drawings of a Glazing Mill



PERSPECTIVE VIEW OF THE INTERIOR.



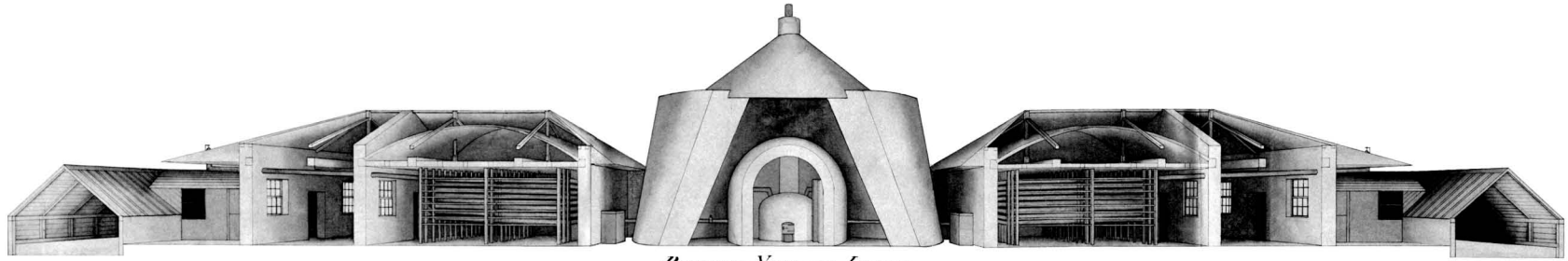
GEOMETRICAL SECTION



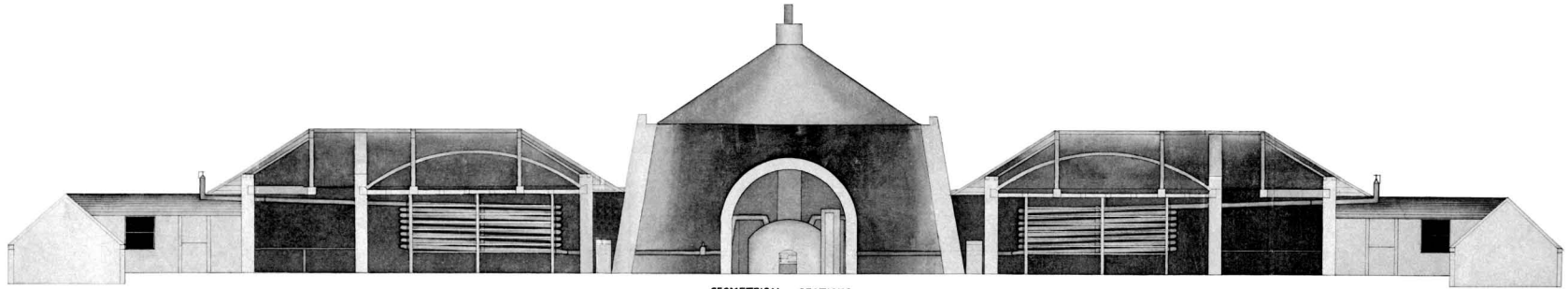
GROUND PLAN

Scale of 1 foot to an Inch.

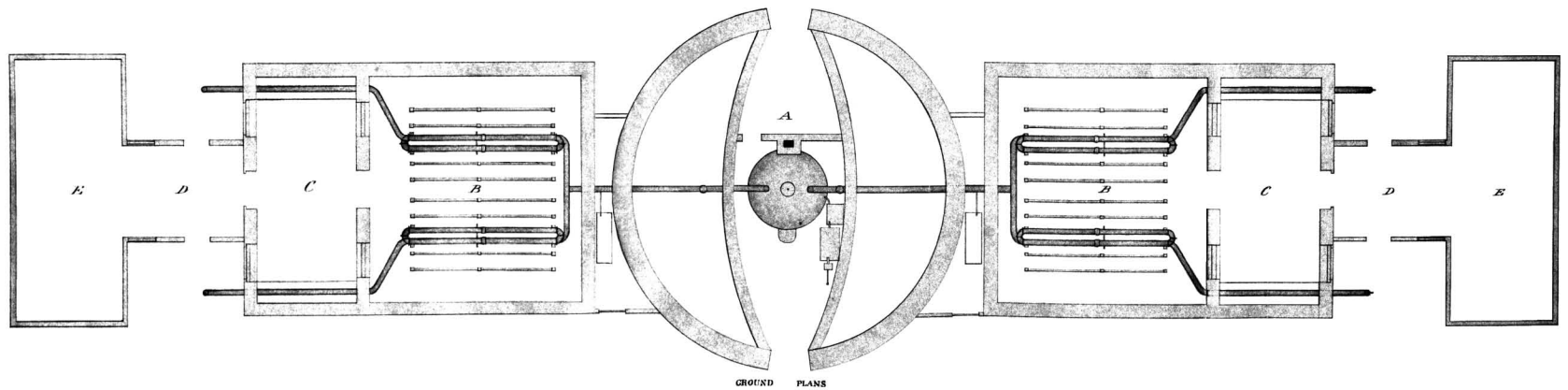
Fred. L. Grayson.



PERSPECTIVE VIEWS OF THE INTERIORS.



GEOMETRICAL SECTIONS

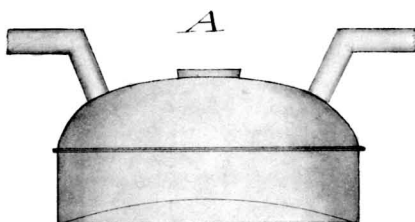
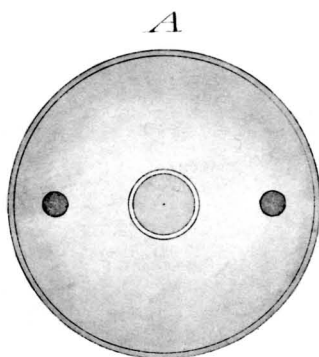


GROUND PLANS



N^o 23

Drawing of the Utensils used in the Steam Plove.

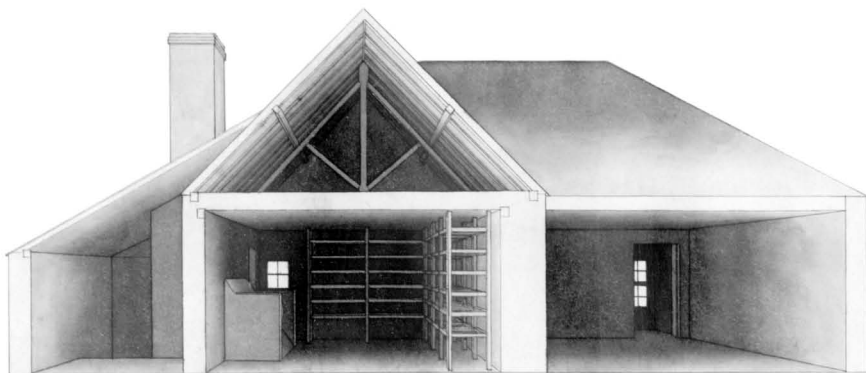


1 2 3 4 5 6 feet.

Scale of 2¹/₂ 6ⁱⁿ to an Inch.

Thos. Drayson.

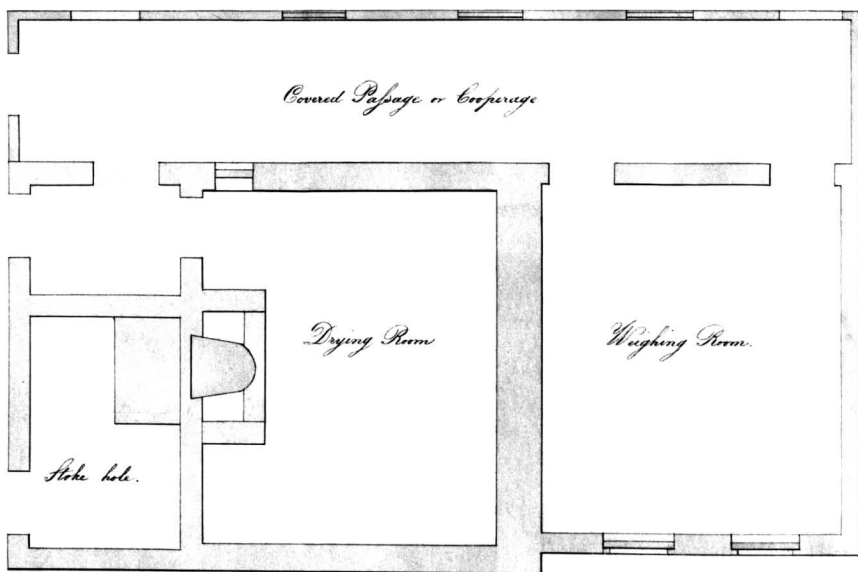
N^o 21.
Drawings of a Gloom Plove.



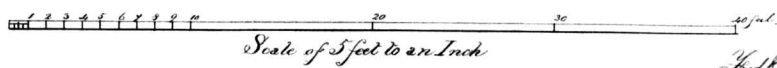
PER SPECTIVE VIEW OF THE INTERIOR.



GEOMETRICAL SECTION

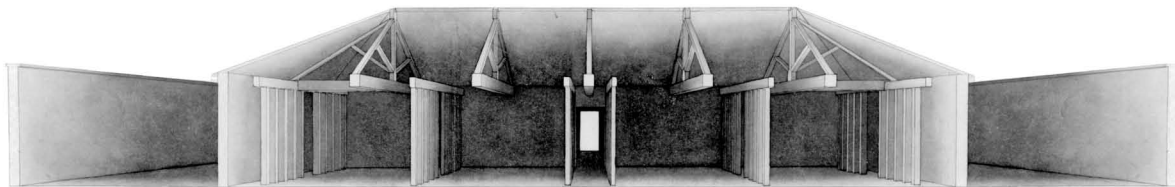


GROUND PLAN.

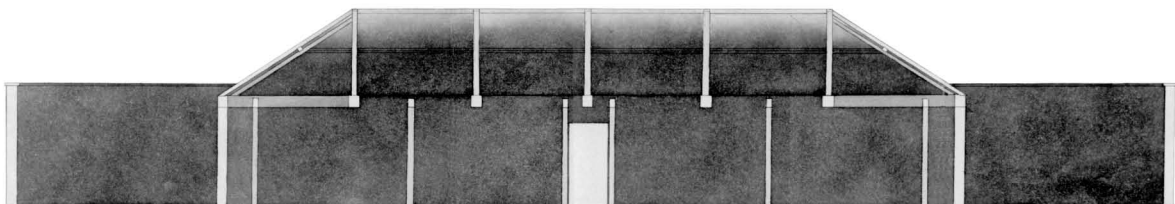


Scale of 5 feet to an Inch

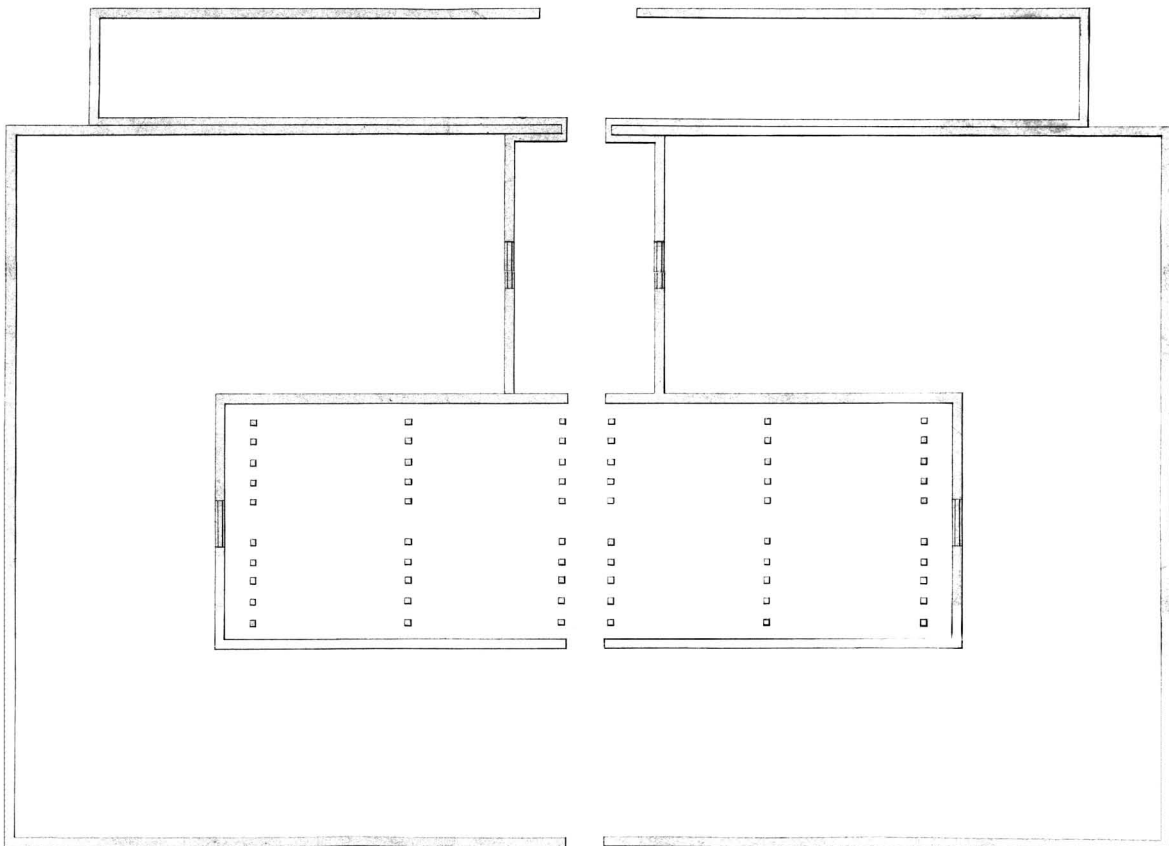
Hall & Drayton.



PERSPECTIVE VIEW FROM INTERIOR.



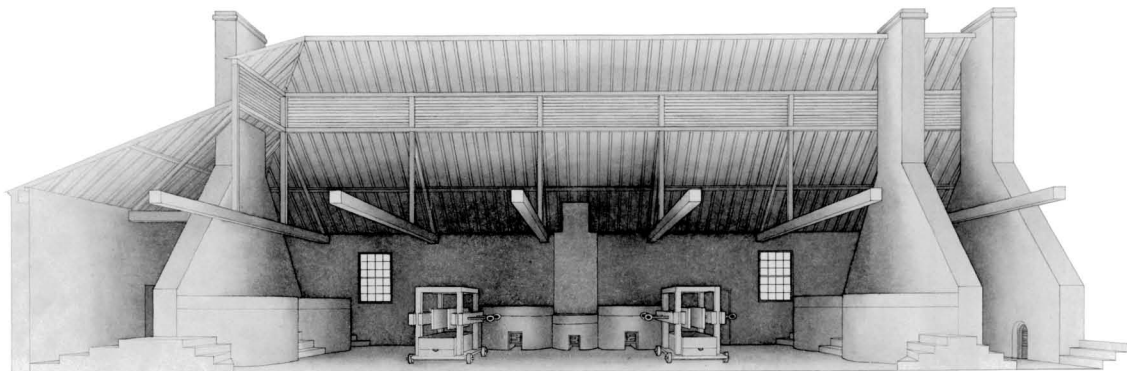
GEOMETRICAL SECTION



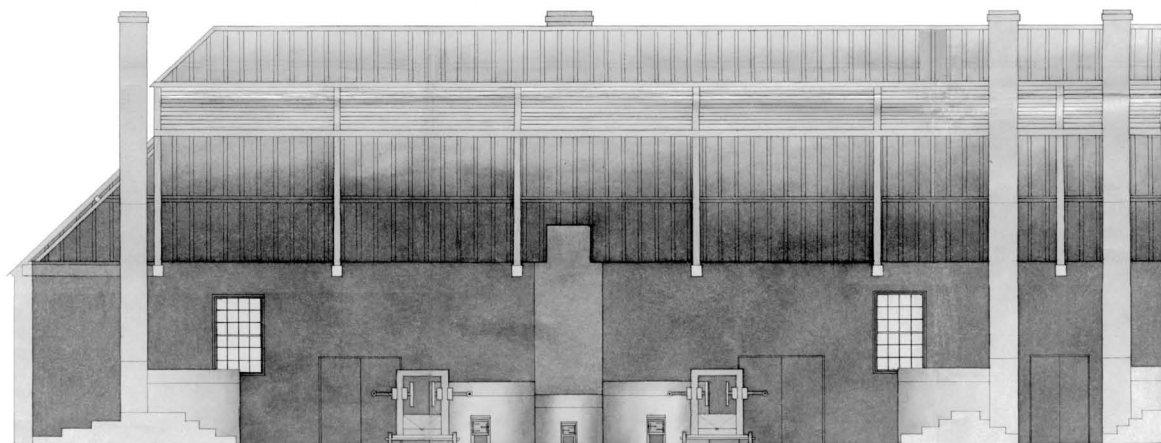
Ground Plan

Scale of 3 feet to an Inch

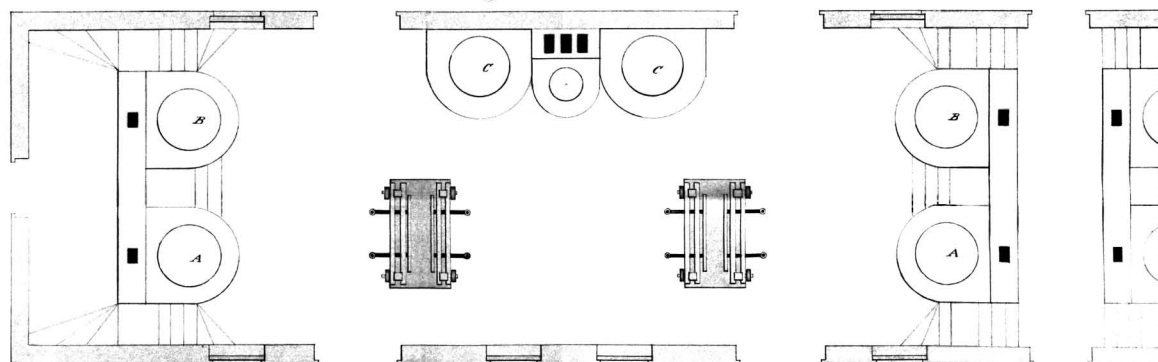
Wm. D. Taylor.



Perspective View of the Interior



Geometrical Section



Ground Plan

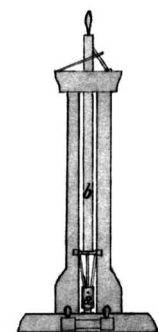
Scale of 1/2 inch = 1 foot.

Wm. D. P. Dugan.

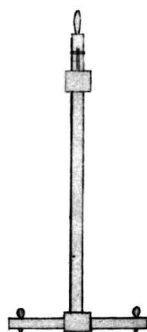
N^o 27.

Drawings of the Machines for Proving Gun Powder

Vertical Eprouvette

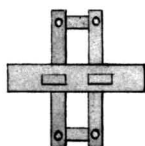


Front View



Side View

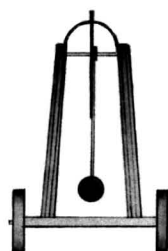
Plan



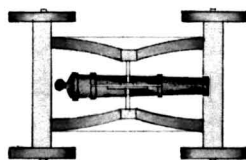
Gun Eprouvette



Side View



Front View



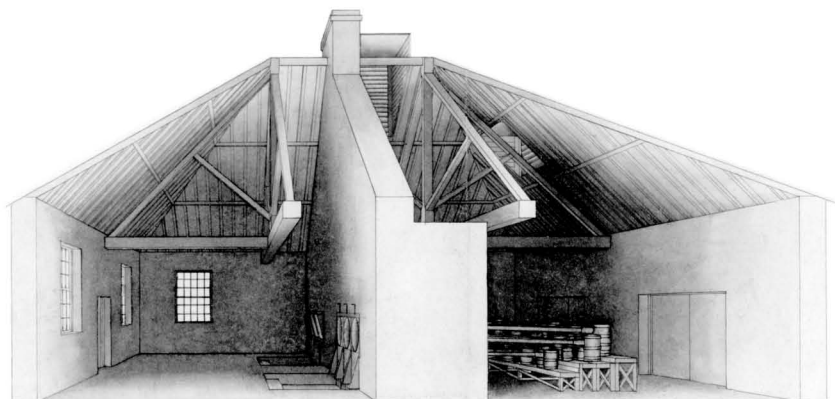
Plan



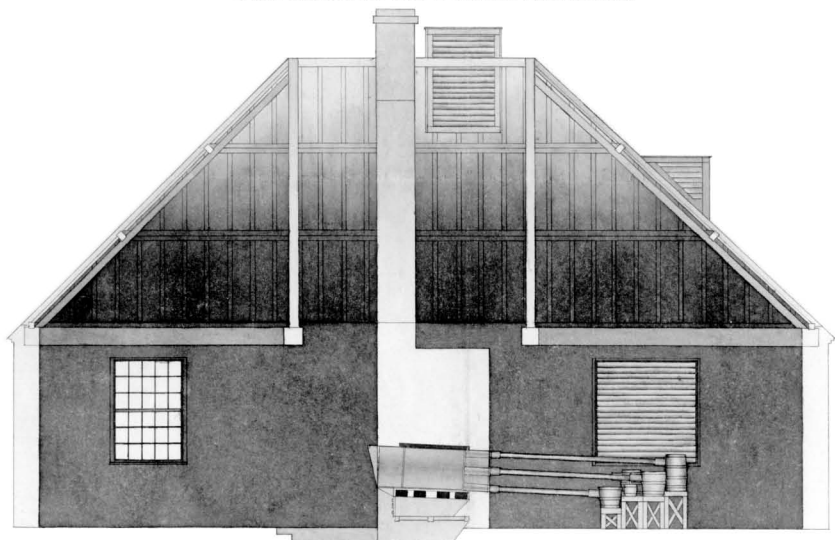
Scale of 2¹/₂ 6" to an Inch.

Fred. A. Drayson.

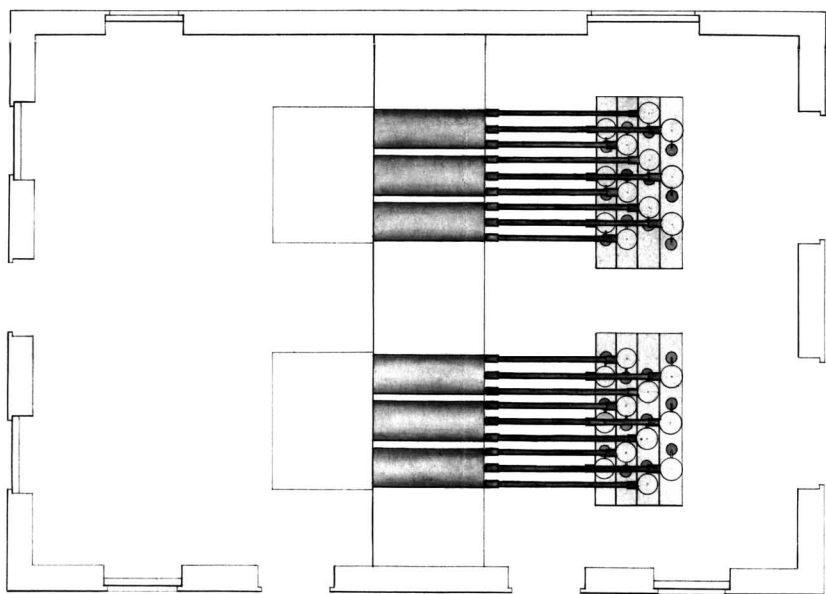
Cylinder House upon a new Principle.



PERSPECTIVE VIEW OF THE INTERIOR.



GEOMETRICAL SECTION

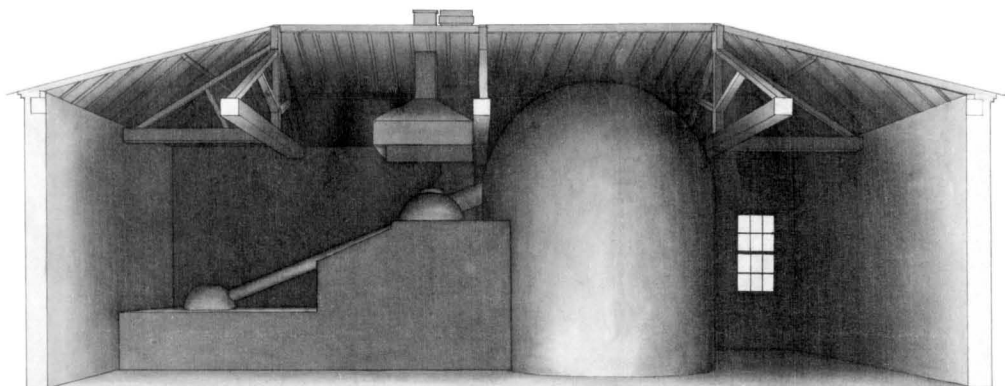


GROUND PLAN

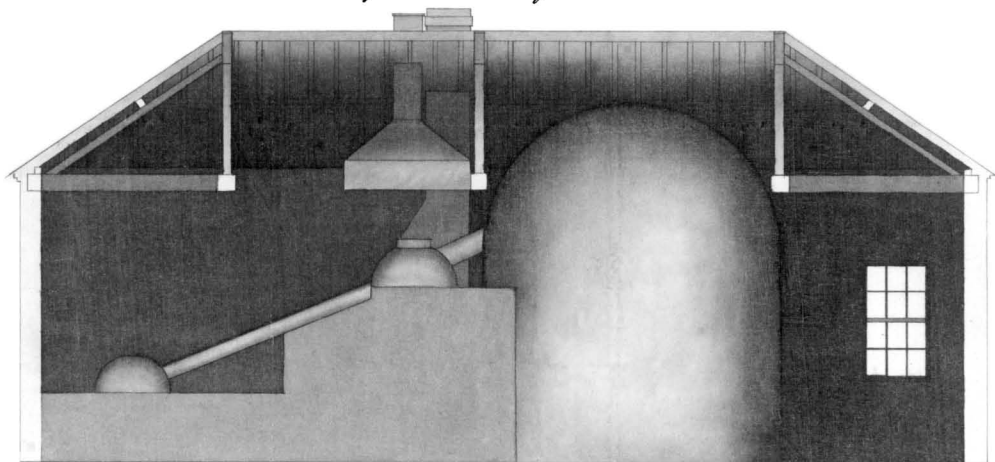
Scale of 3 feet to an Inch.

John Duggan.

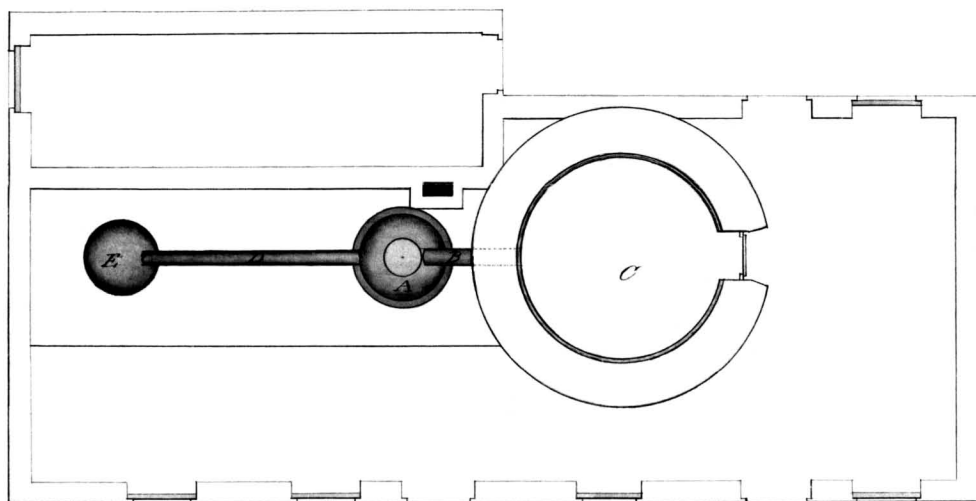
N^o 29
Sulphur Refinery upon a new Principle



Perspective View of the Interior



Geometrical Section



Ground Plan.

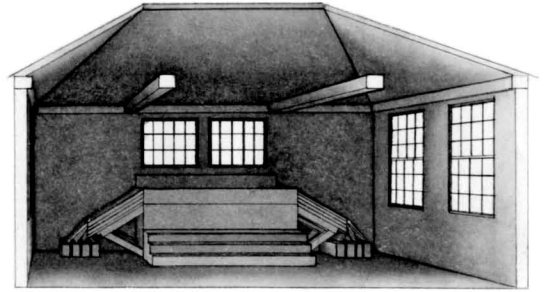
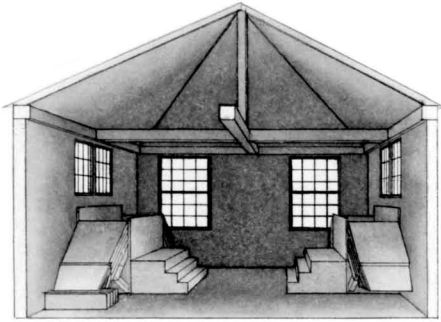
Scale of 5 feet to an Inch.

Karl Drayson.

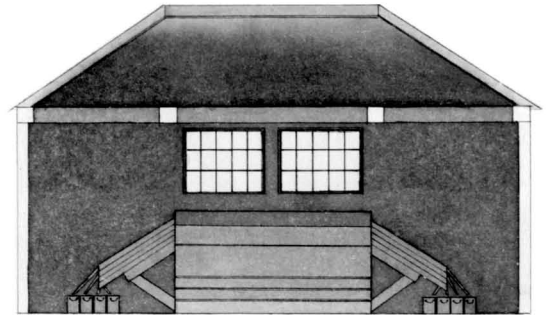
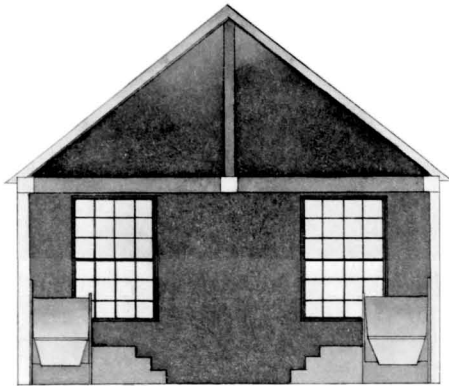
Drawings of Buildings for Granulating Gunpowder with Breaking Bins and Screens

Building with two Breaking bins

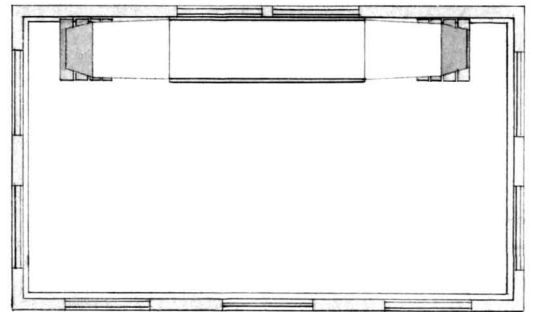
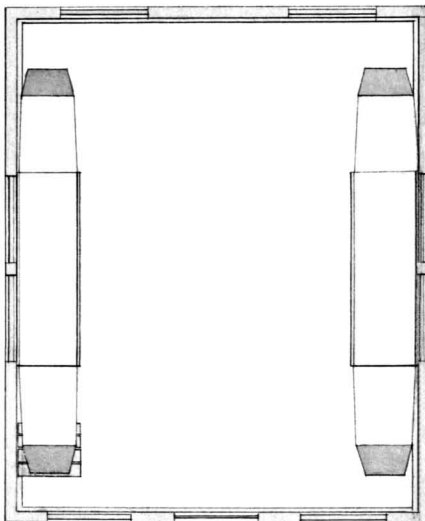
Building with one Breaking bin



Perspective Views of the Interiors.



GEOMETRICAL SECTION.



GROUND PLANS.

Scale of 5 feet to an Inch.

Edw. Dayson.



- 1 to f. Buildings connected with
house working, i.e. Wm. Clegg
- 8 Breaking machine house
- 9 10 11 12 Gun powder mills
- 13 14 15 Things magazines
- 16 Black house
- 17 Subliming Hobs.
- 18 Nine Storehouses.
- 19 Seven - do. (brick arched)
- 20 Two - do.
- 21 Black house.
- 22 Storehouse for Clegg's articles.

23. Kitch house.
24. Cupress. shap. 1. Stencomma.
25. Cupress. shap.
26. Cryptanthoides house. small refinery.
27. Lathyrus. beak. 1. Stencomma. d. r.
28. Sten house.
29. Lathyrus. small. forge.
30. Lathyrus. refinery house.
31. Ragn house.
32. Kitch house.
33. Building for washing lathyrus bags.
35. Lathyrus. beak house. large refinery.

- 35 Storehouse.
 37 Milling house, large refinery.
 38 Crystallizing house - do -
 39 The keeper of Oxfield-Lake house.
 40 Storehouse house.
 41 Storehouse to do.
 42 Superintendent of Corn Mills house.
 43 Storehouse for corn.
 44 - do
 45 Corn mill.
 46 First clerk's house.
 47 Cottage.

- 73 *Carpenter's Office* of *Locks house*.
 74 *Shoe house* for *2* *unmated*, *nails* &c.
 75 *Carpenter's Shop*.
 76 *Shoe house*.
 77 *Millwright's Shop*.
 78 *Plumber Shop*. *Blacksmiths Shop*.
 79 *Forge*.
 80 *Lane Pl.*
 81 *Carpenter's Store*.
 82 *Millwright's Shop*.

- 8335 *Stachys* *Stachys*.
87 *Briza* *Briza*.
91 *Butch* *Butch*.
93 *Stachys*.
94 *Butch* *Stachys*.
95 *Stachys* *Stachys*.
96 *Stachys* *Stachys*.
97 *Stachys* *Stachys*.
98 *Butch* *Butch*.
99 *Stachys*.

- 100 Large Gloom Store.
101 Warehouse.
102 Old infirmary.
103 Ref house.
104s. Newburn Hospital out
106 Charcoal mill.
107 - do - and Store.
108 Sulphur mill.
109 Baking house.
110 Clerk's Office.
111 Grand Hotel house.
112s. Orange magazine.

- 115 Water Camp-sition melle.
 116, 117 Greenbecker melle.
 118 Change mag-gene.
 119, 120 Greenbecker melle.
 121 Change mag-gene.
 122, 123 Greenbecker melle.
 124 Change mag-gene.
 125, 126 Greenbecker melle.
 127, 128 Temporary Draining he.
 129 Run-off at sitting house.
 130 Watch house.
 131 Lavase.

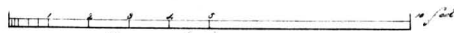
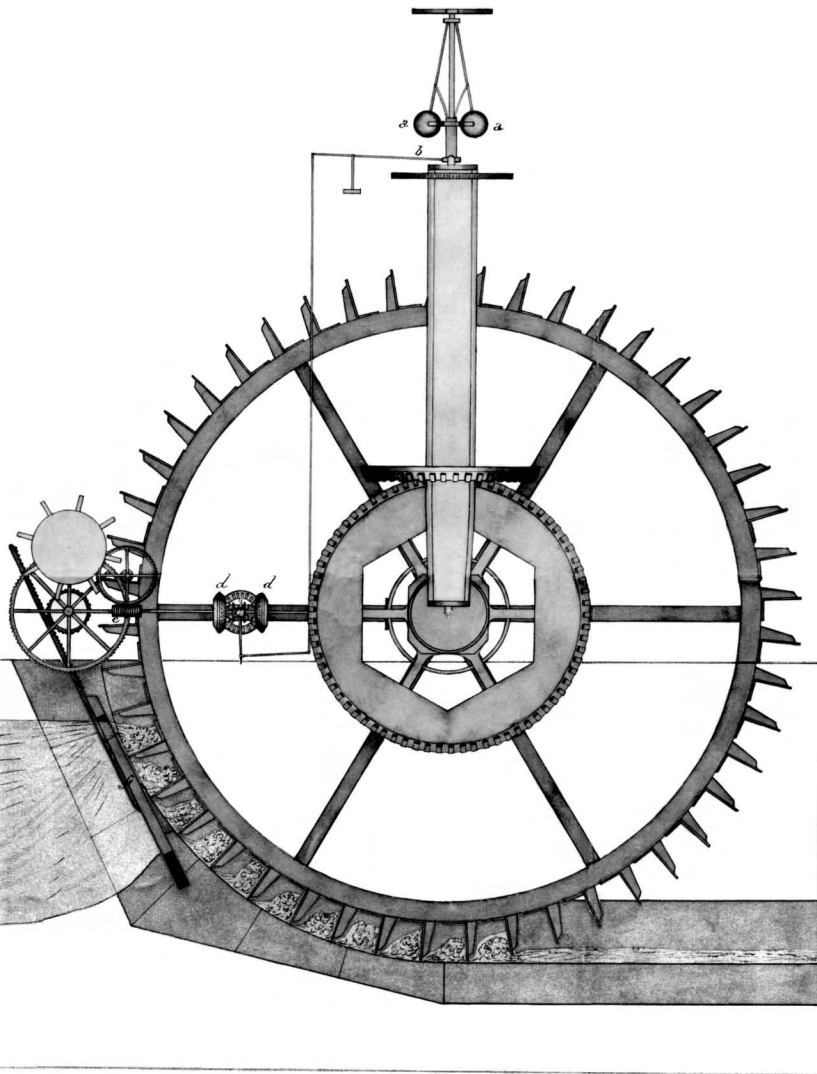
- 132 small green stove.
134 Magazine.
135 flying-mill.
136 to 139. Buildings connected
with N^o 1 Lumber house.
140. Receiving magazine.
141. Lumber & site of
N^o 2 Lumber house.
142 to 145 Buildings connected
with N^o 2 Lumber house.
146. Watch house.
147. Barrack house.

- 148 Receiving magazine.
 149 - - do - -
 150 Transverse one Side of
 N^o 3 Landing house.
 151 Receiving magazine.
 152 to 156 Buildings connected
 with the Steam Store.
 157 Ketch house.
 158 Barge house.
 159 Grand magazine.

Scale of 800 feet to an Inch *Y. J. K.*

N^o 32

Drawing of the Machinery connected with a Regulator.



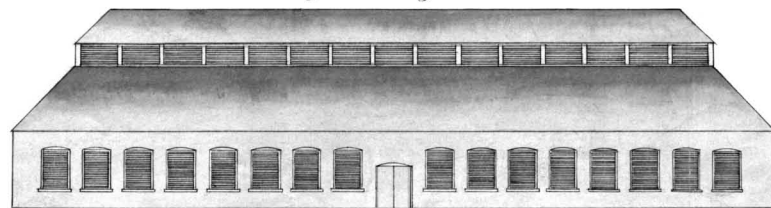
Scale of 2.6 feet.

Thos. Dwyer

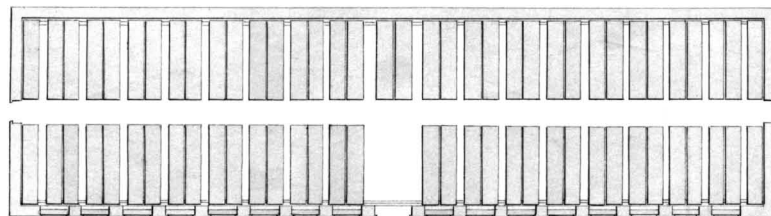
N: 33

Drawings of the Large Saltpetre Refinery

Crystallizing House



Elevation



Ground Plan.



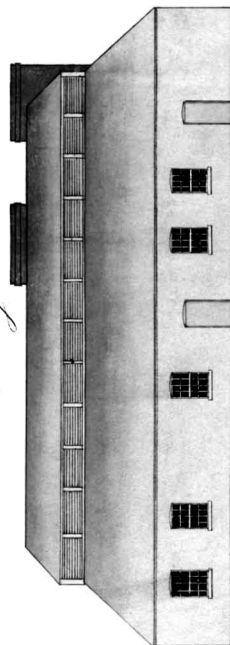
Elevation



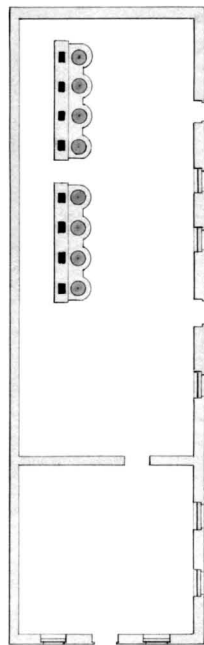
Ground Plan

Scale of 15 feet to an Inch.

Melting House

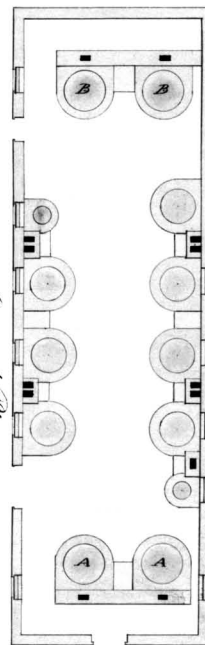


Elevation

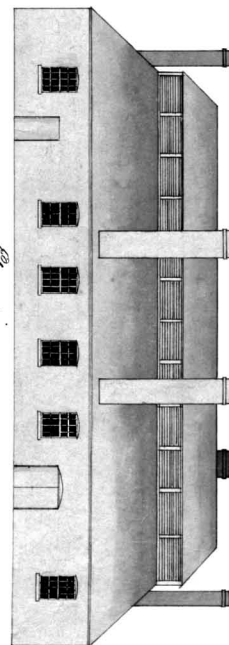


Ground Plan

Ground Plan.



Elevation

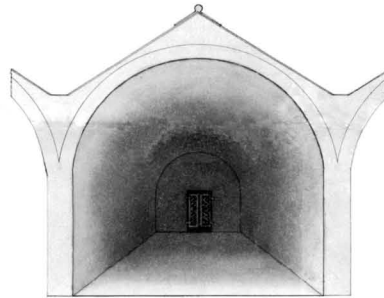


Melting House

J. D. D. D.

N^o 34

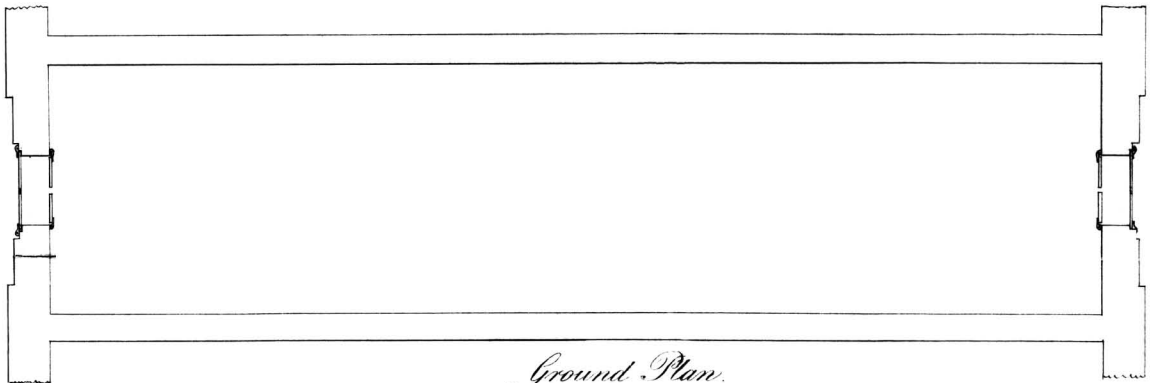
Drawings of a Brick Arched Storehouse.



Perspective View of the Interior



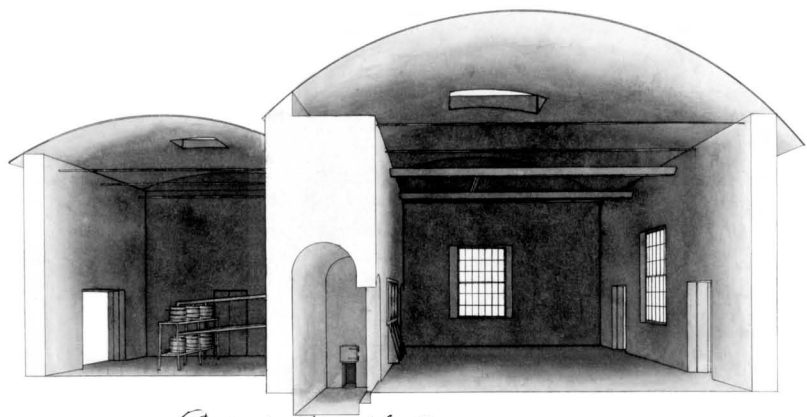
Geometrical Section



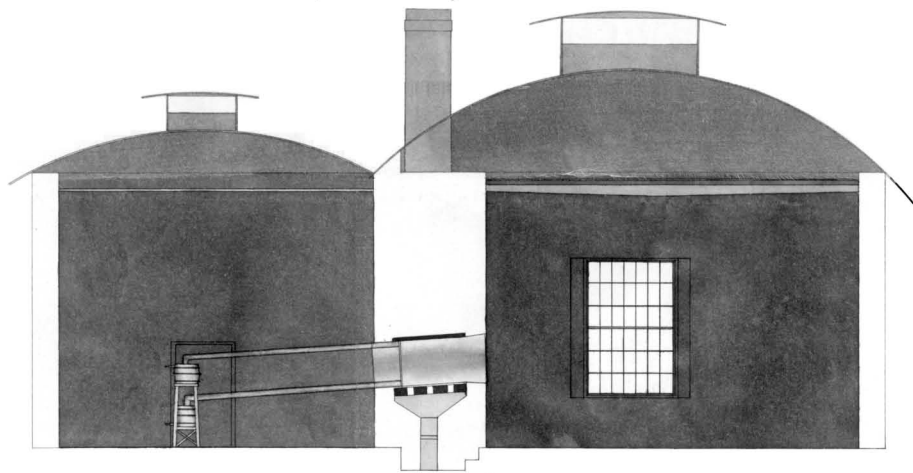
Ground Plan.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 feet
Scale of 5 feet to an Inch

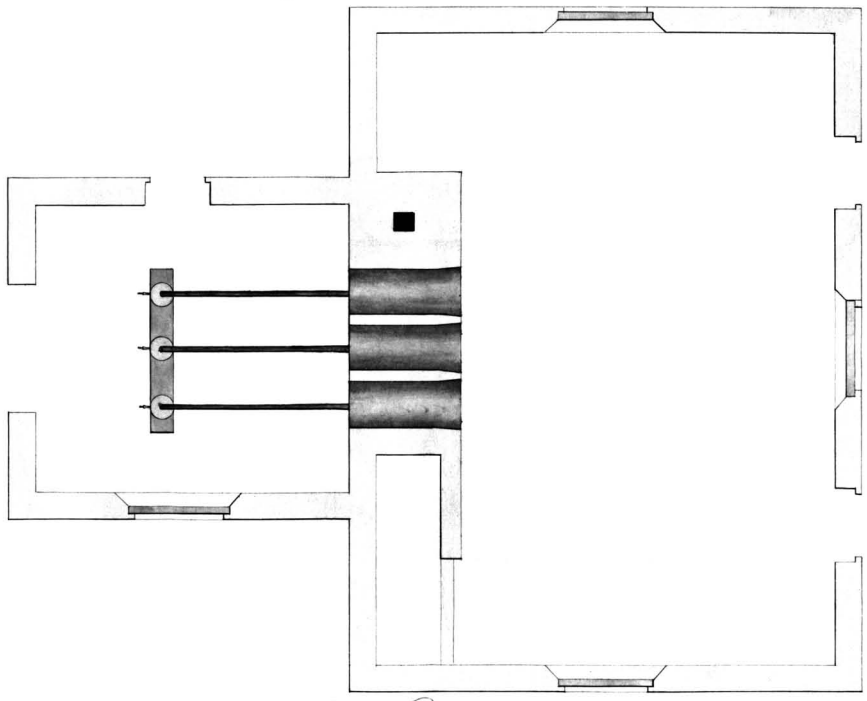
Wm. D. Drayson.



Perspective View of the Interior

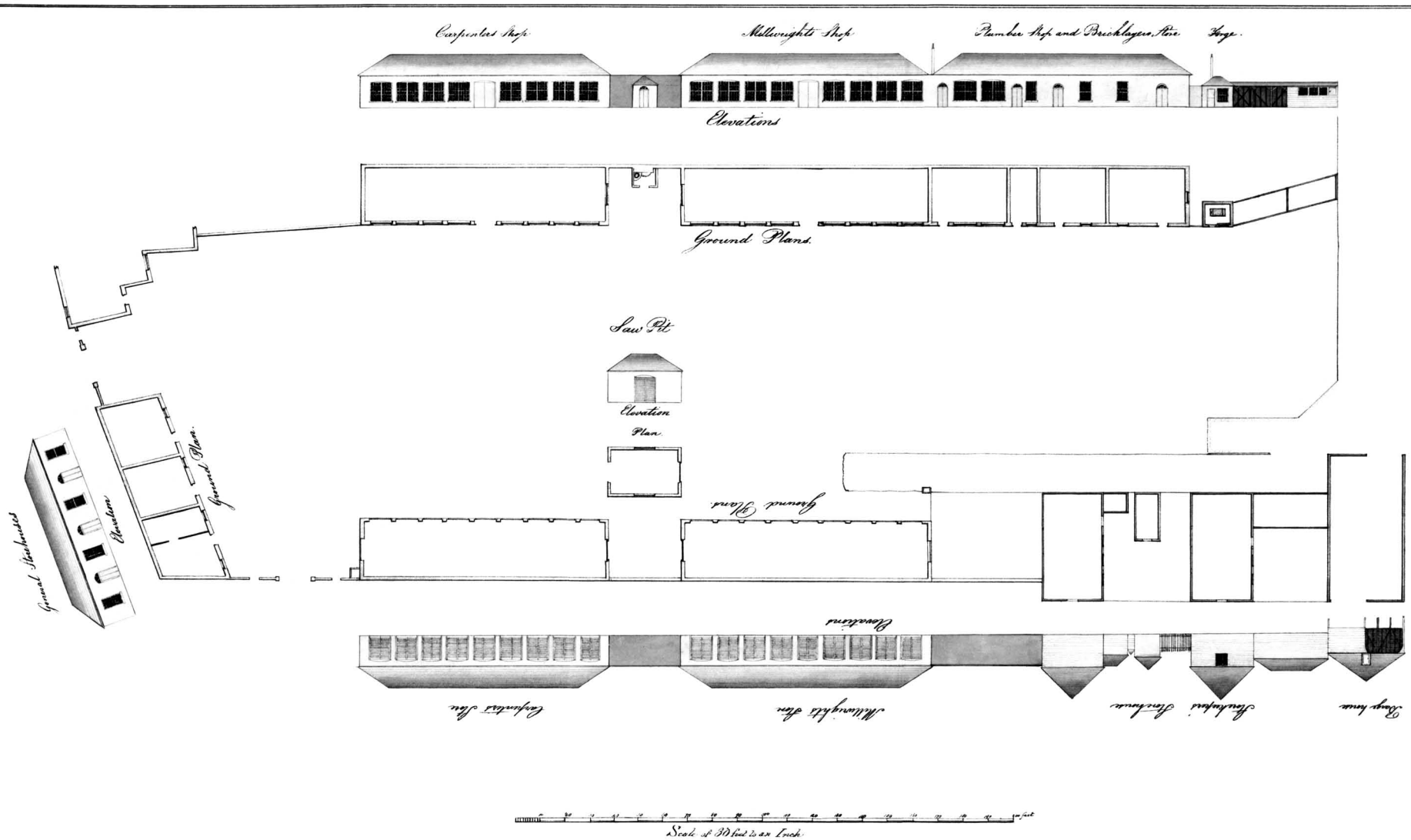


Geometrical Section



Ground Plan

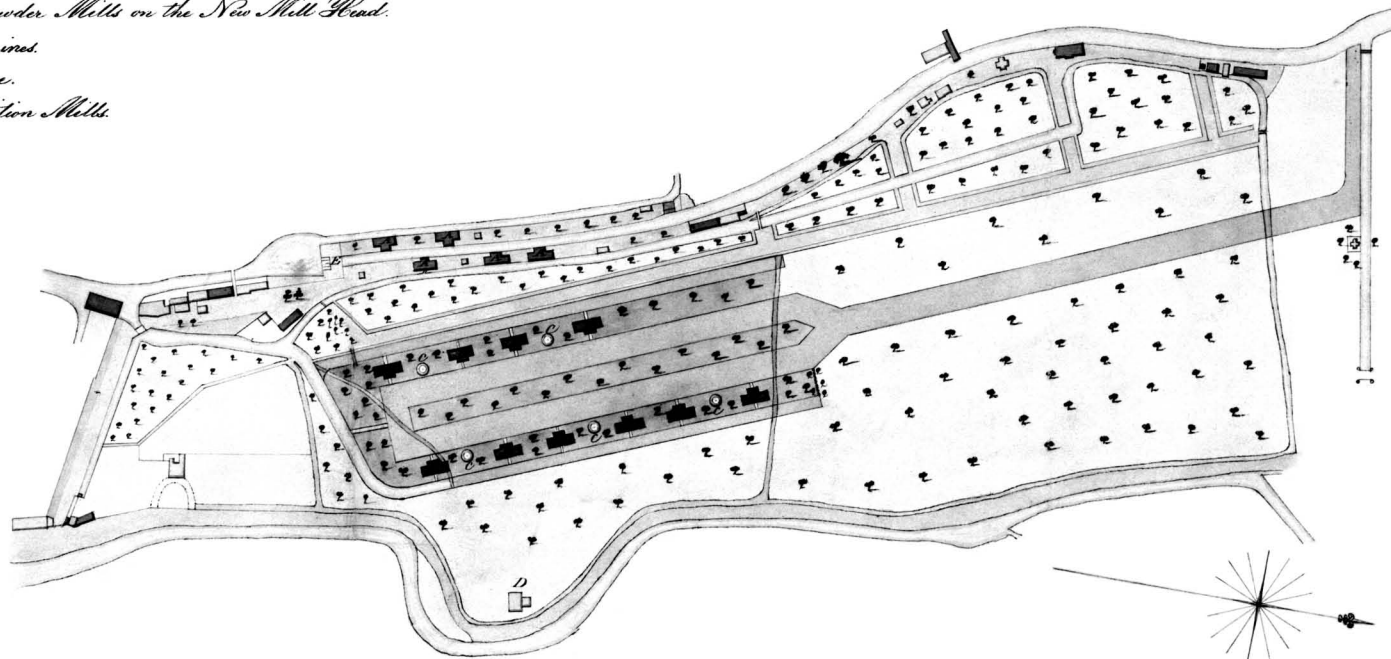
Buildings forming the Engineers Establishment



PLAN of a New Mill Head and Tail Races proposed to be made in Queens Mead, shewing the Position of the 5 Gunpowder Mills proposed to be retained on the Old Mill Head, the Situation of the Cylinder House for making Charcoal, and the Site of the Composition Mills over the Gullies

References.

- A - 5 Old Gunpowder Mills proposed to be retained on the Old Mill Head.
 B 10. proposed new Gunpowder Mills on the New Mill Head.
 C 5. new Charge Magazines.
 D Cylinder House.
 E Site of Composition Mills.*

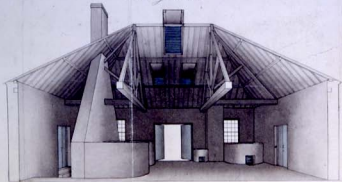


Scale of 200 feet to an Inch.

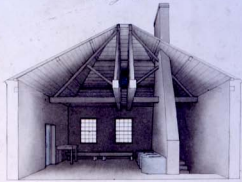
Thos. D. Drayson.

Drawings of a Saltpetre Building and a Melting House

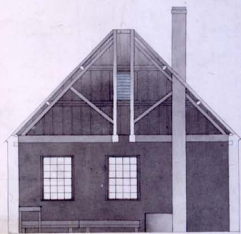
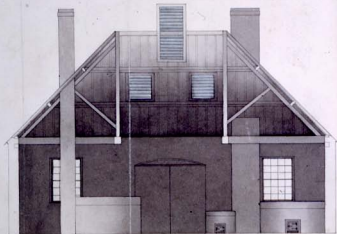
Saltpetre House



Melting House



PERSPECTIVE VIEWS OF THE INTERIORS



GEOMETRICAL SECTIONS



Ground Plans

Scale of 1 foot to 10 feet

Paul H. Morgan

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