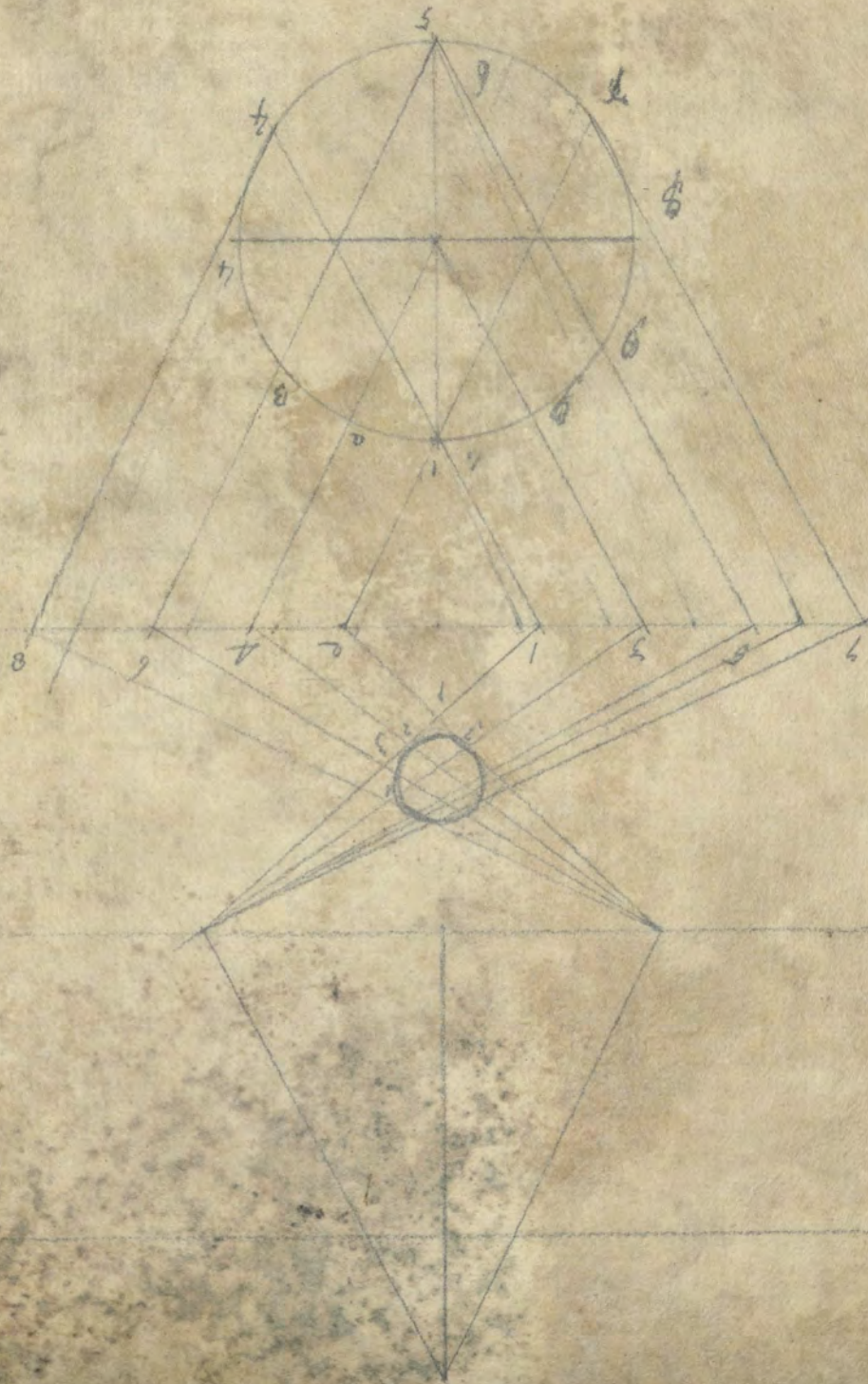
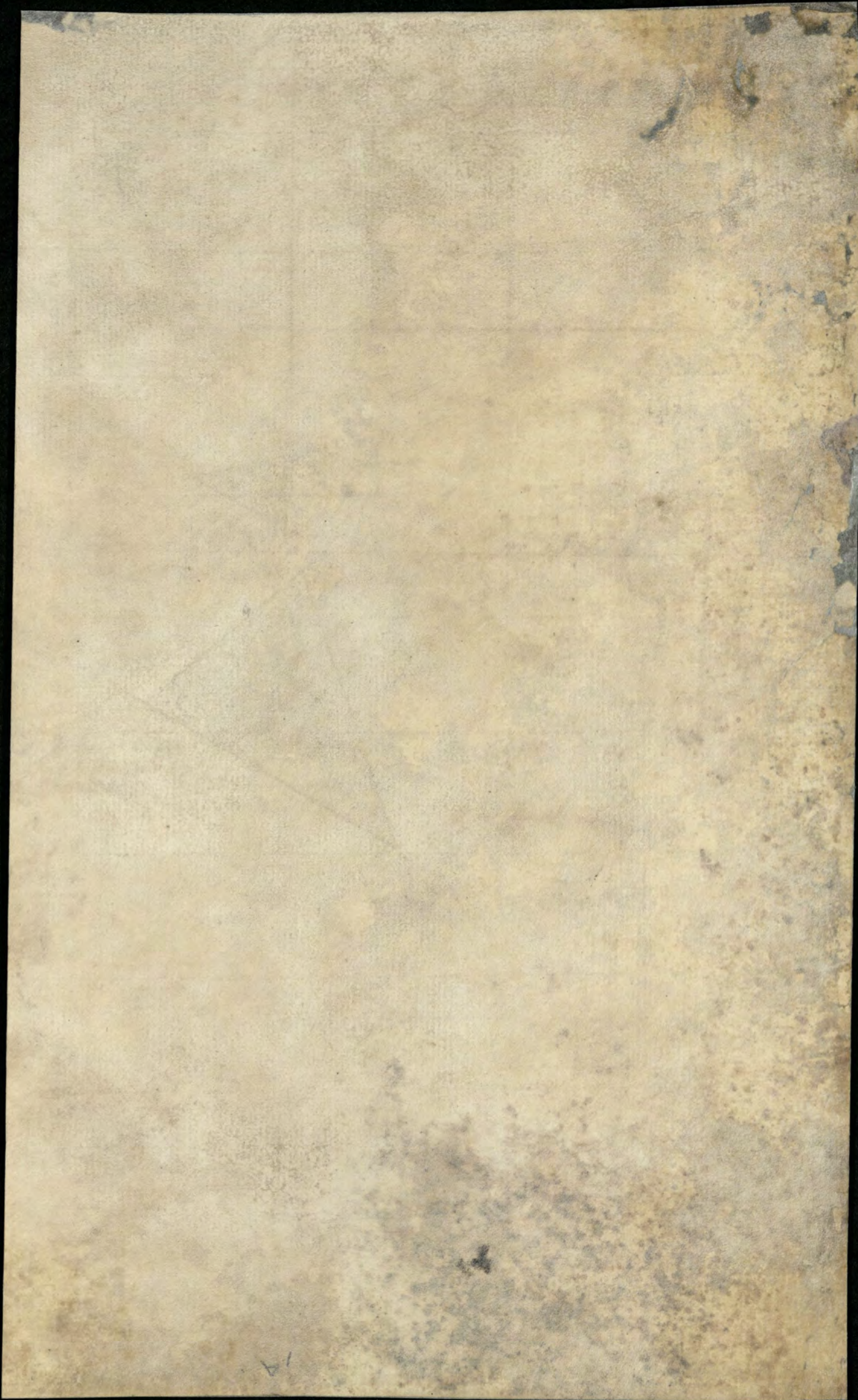


GEO ADDL FSS 32

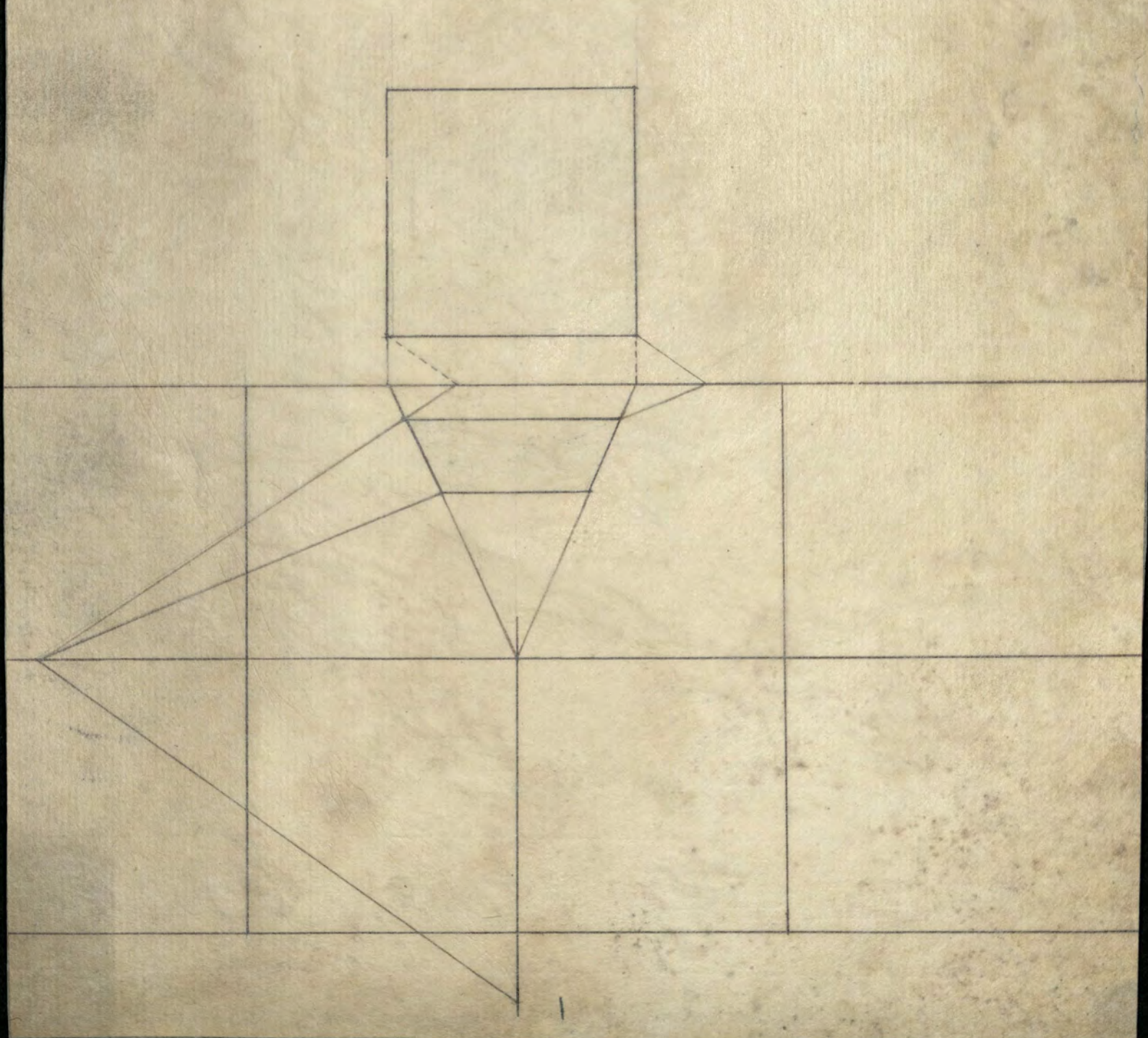
1926

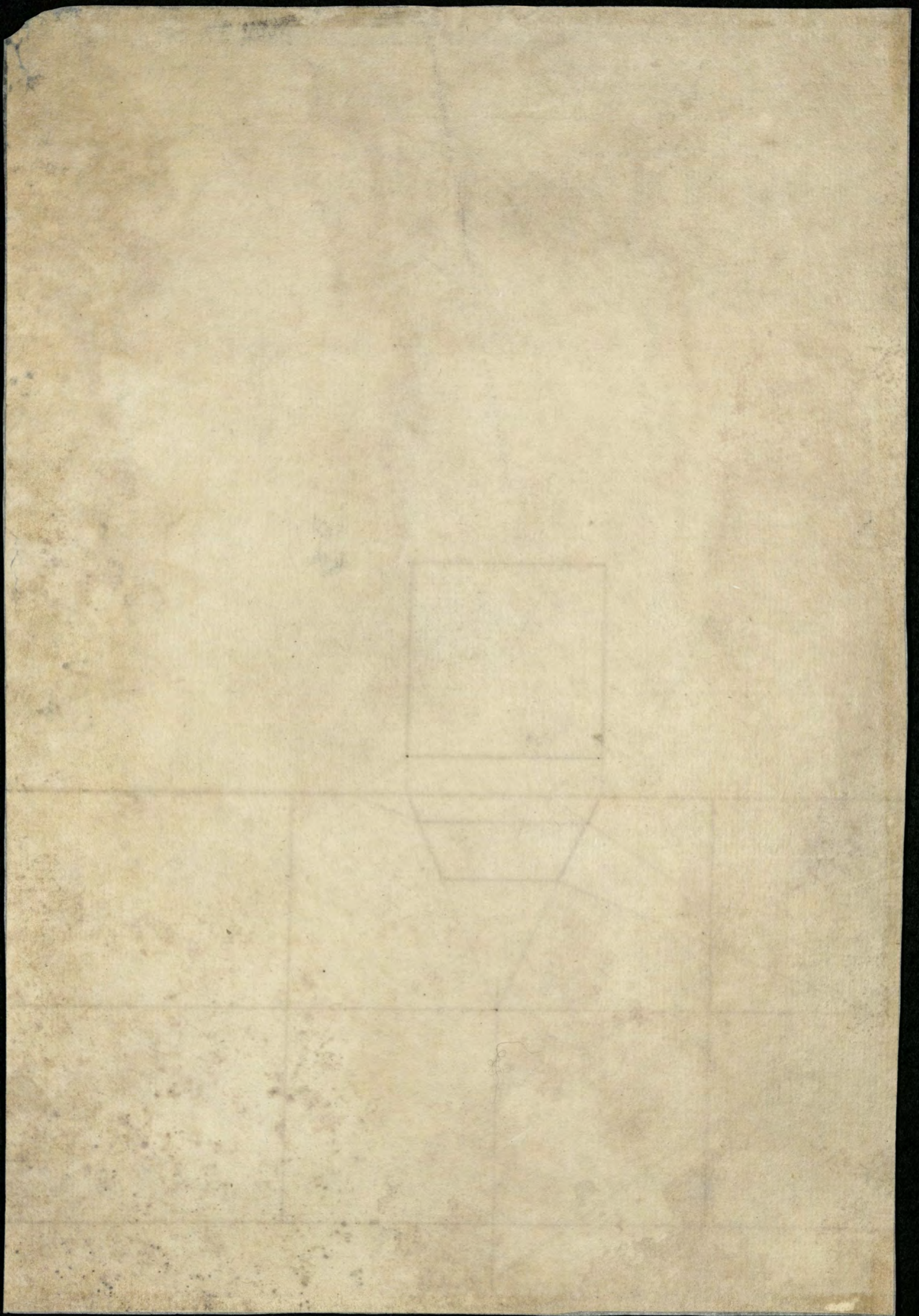




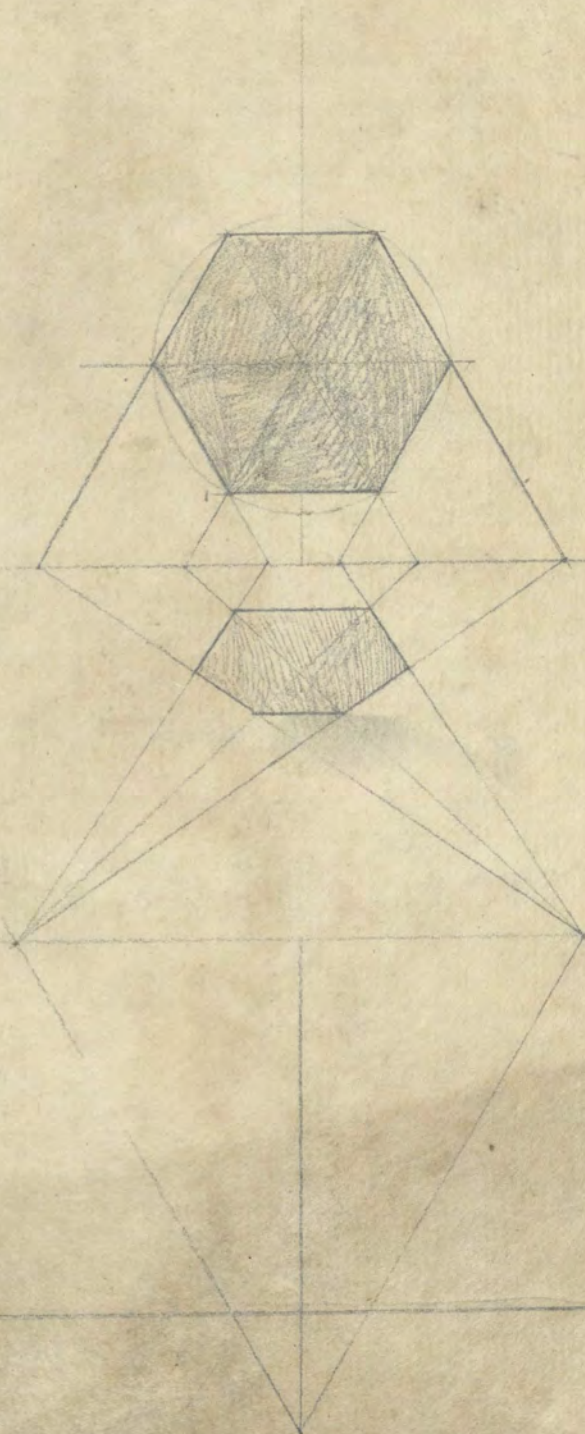
GEO. ADDL PMS 32

(1927)



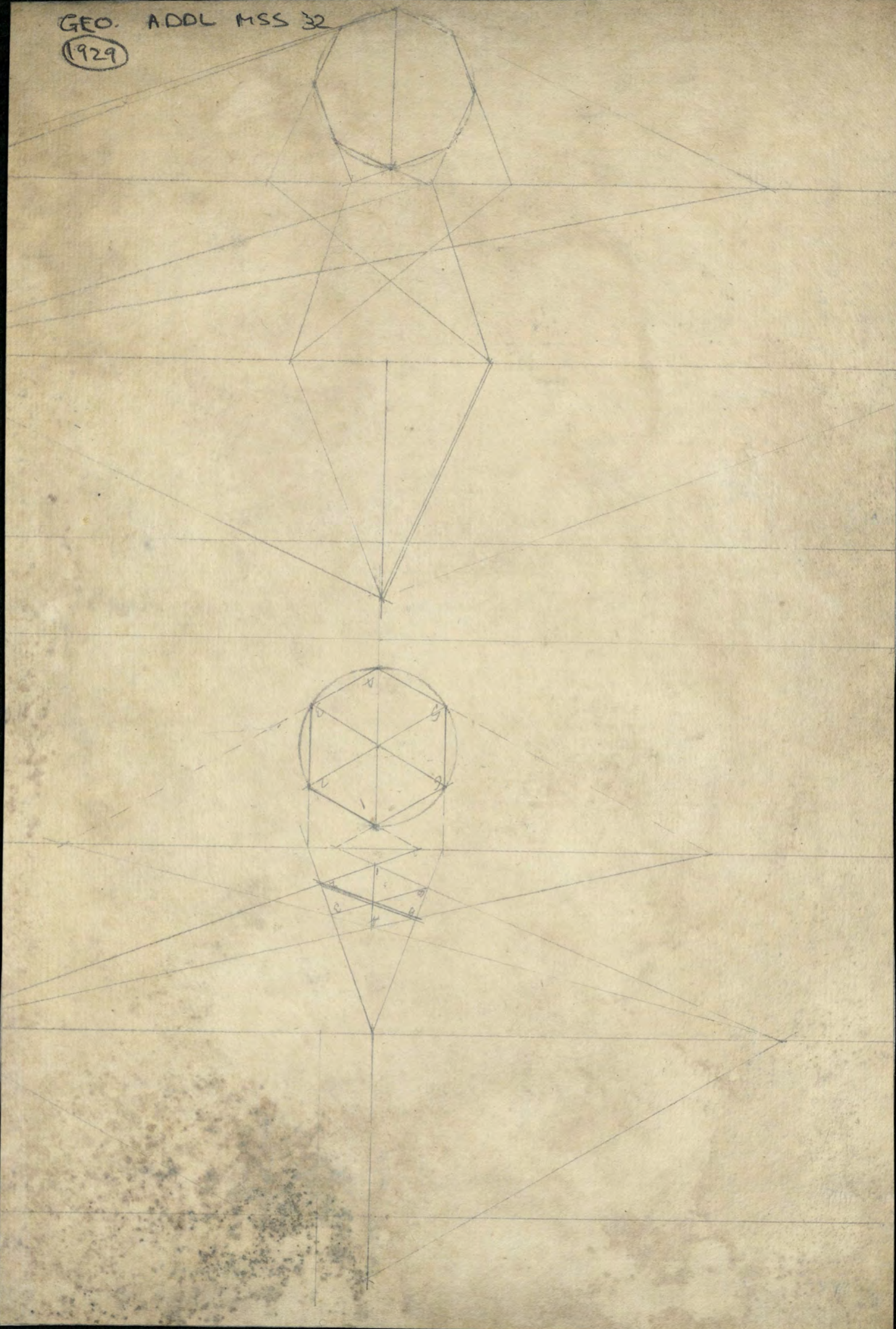


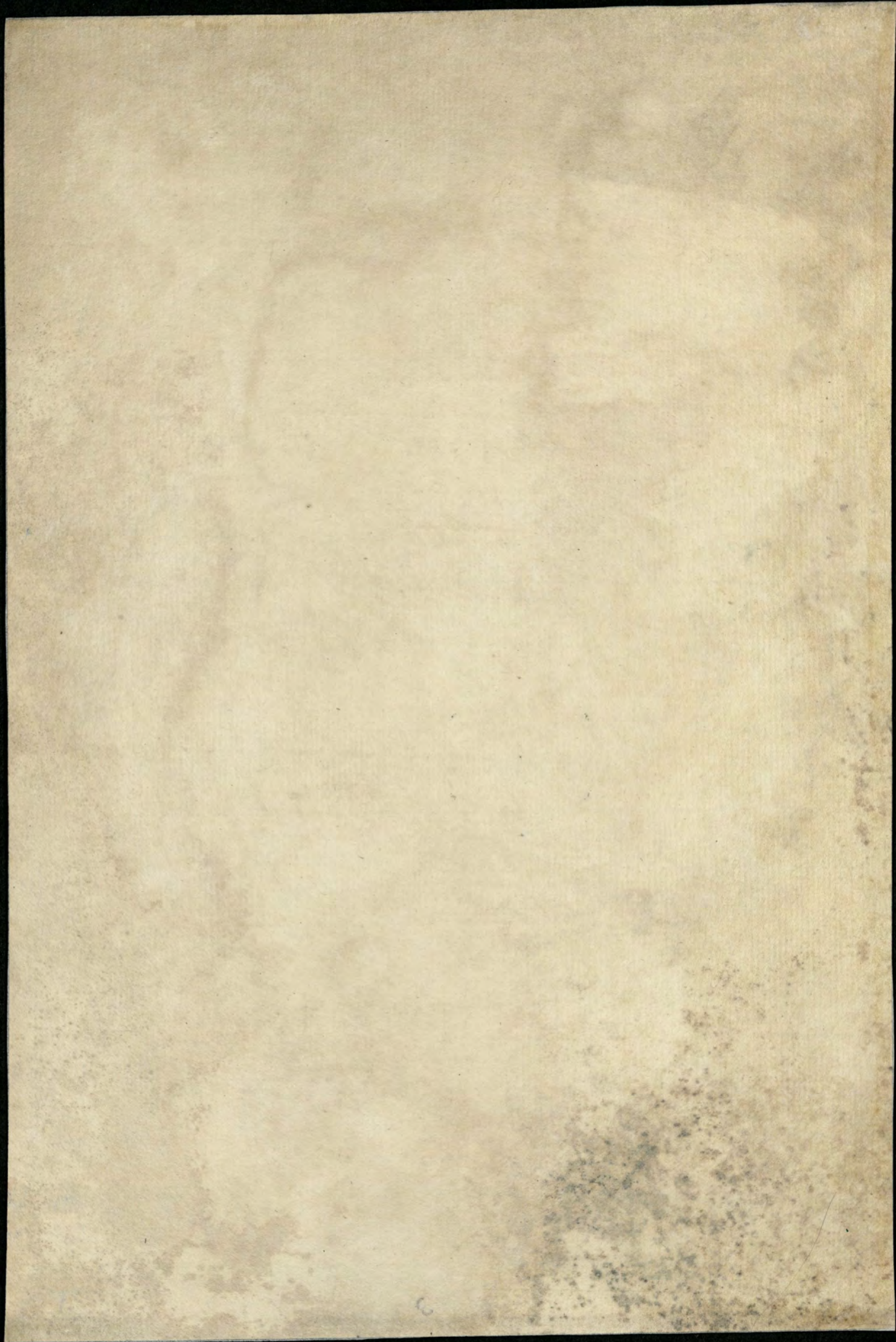
1928



GEO. ADDL MSS 32

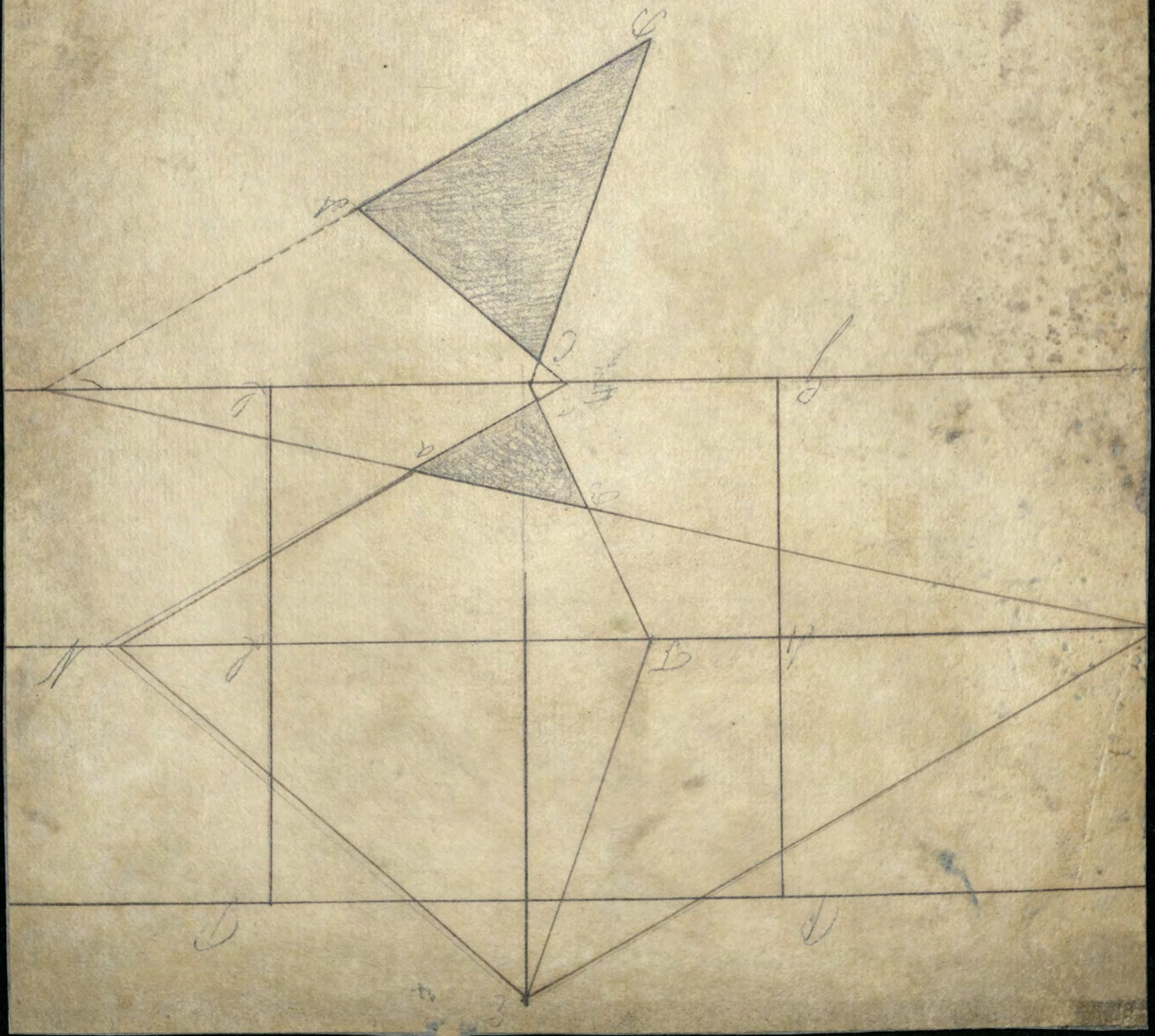
(1929)

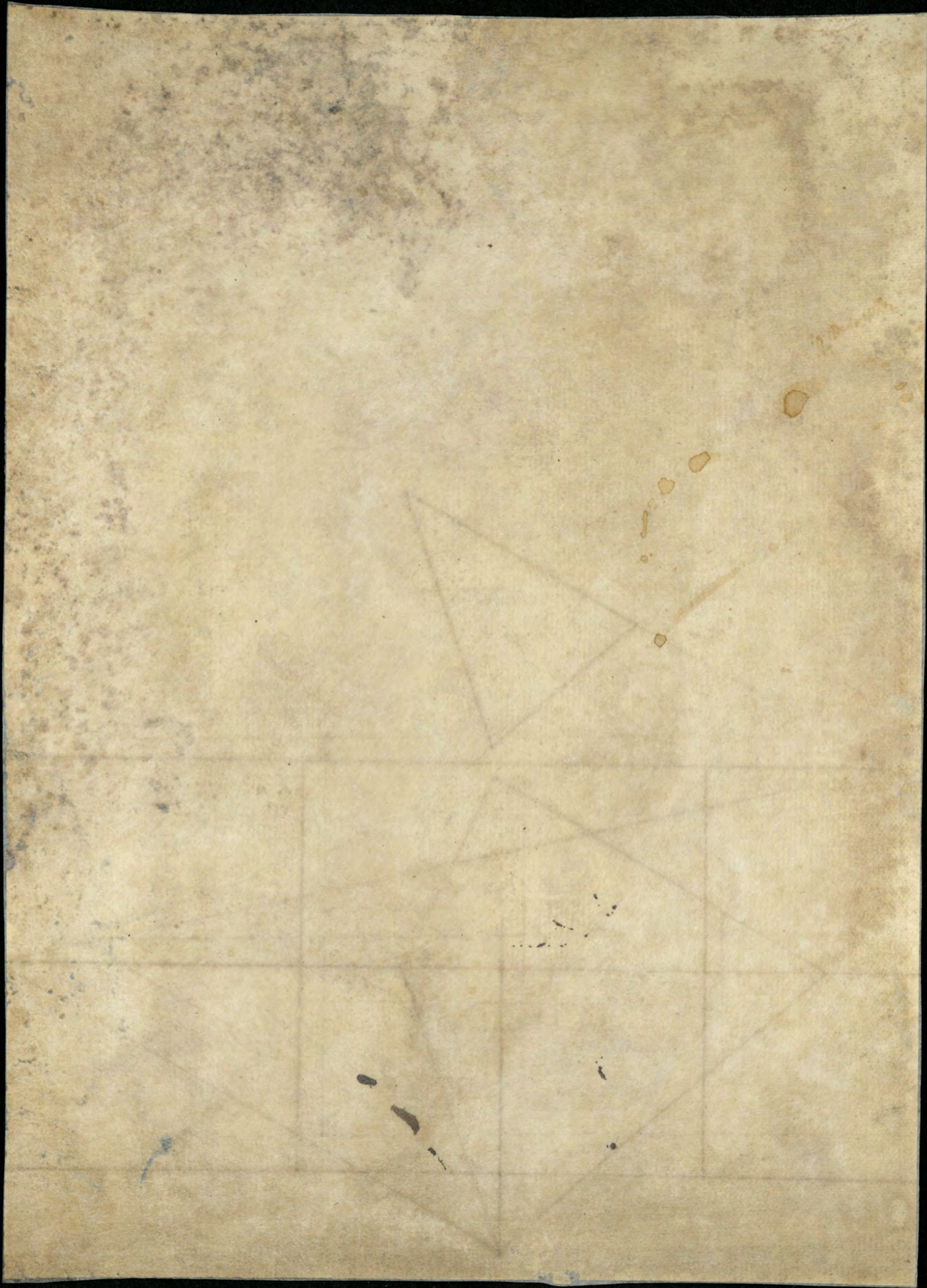




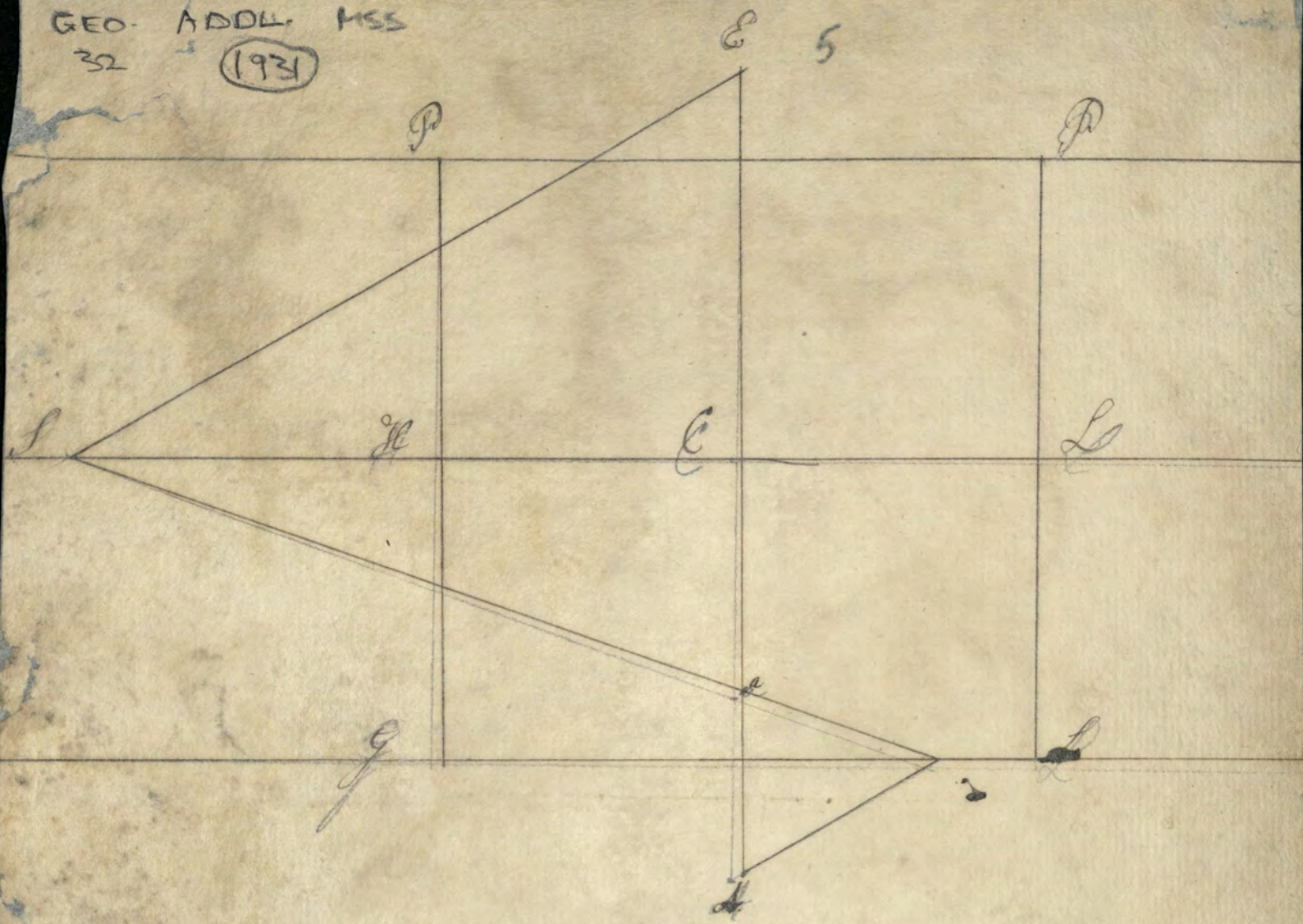
GEO ADDL MSS 32

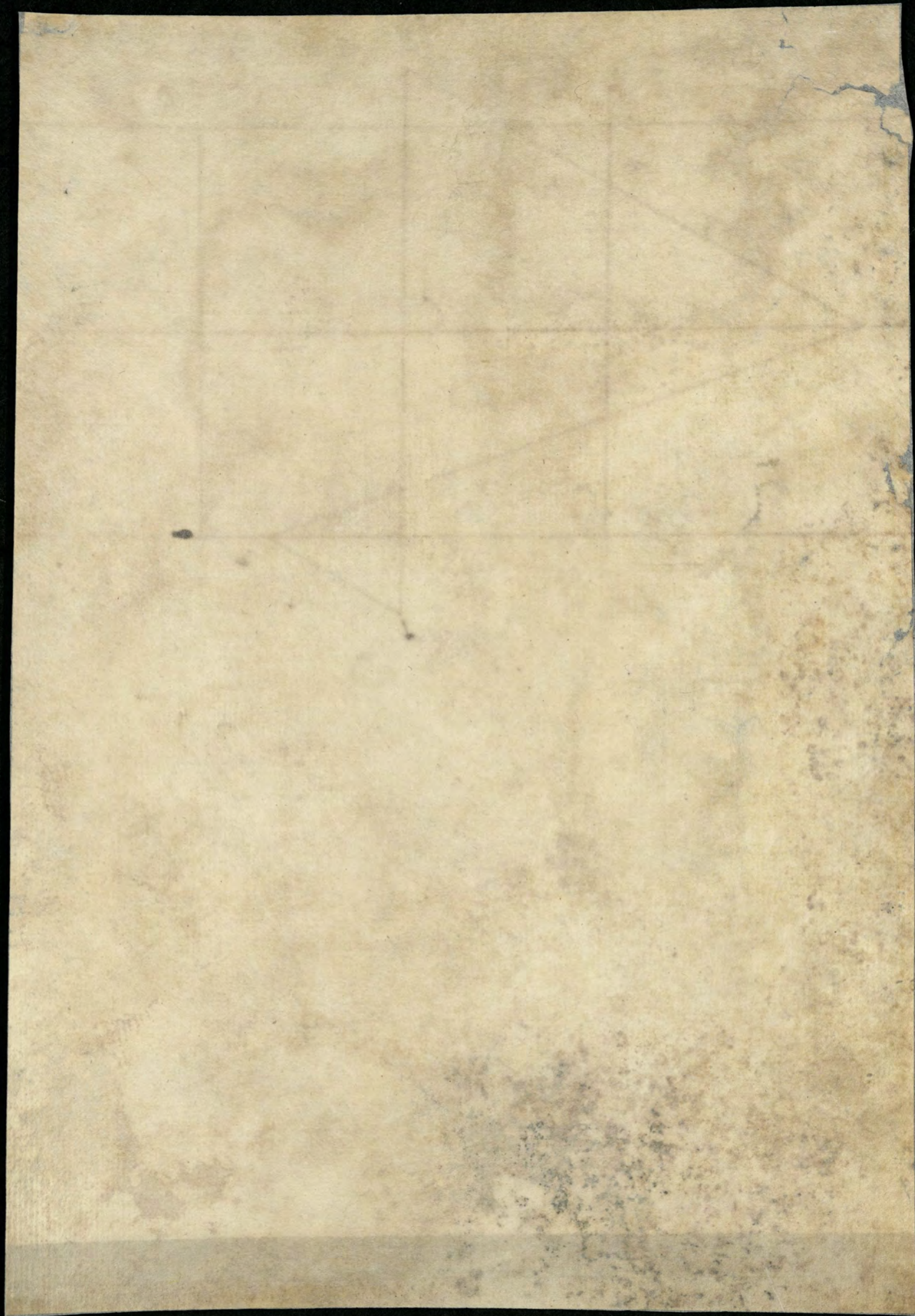
1930





GEO. ADDL. MSS
32 (193)





Geo ADDL MSS 32

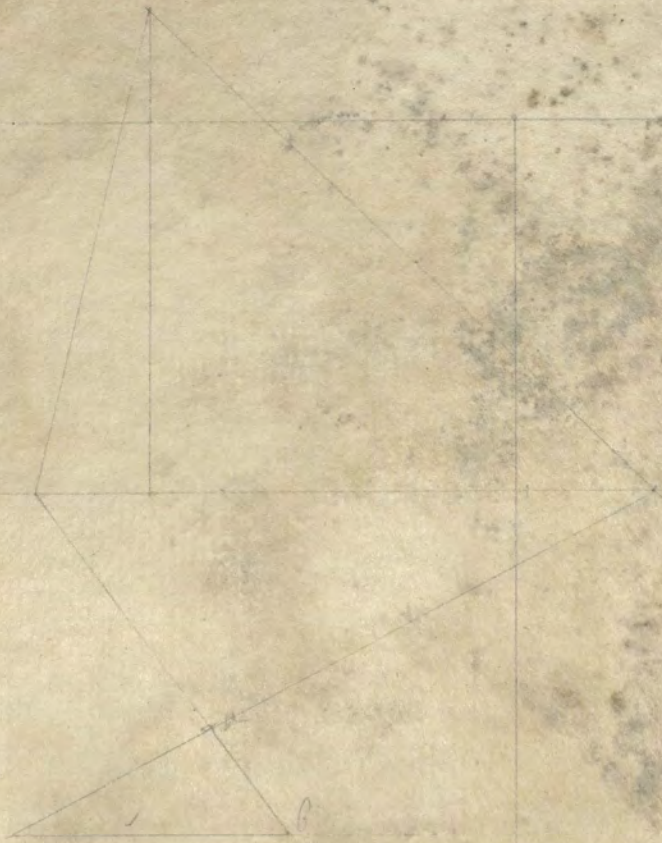
(1932)

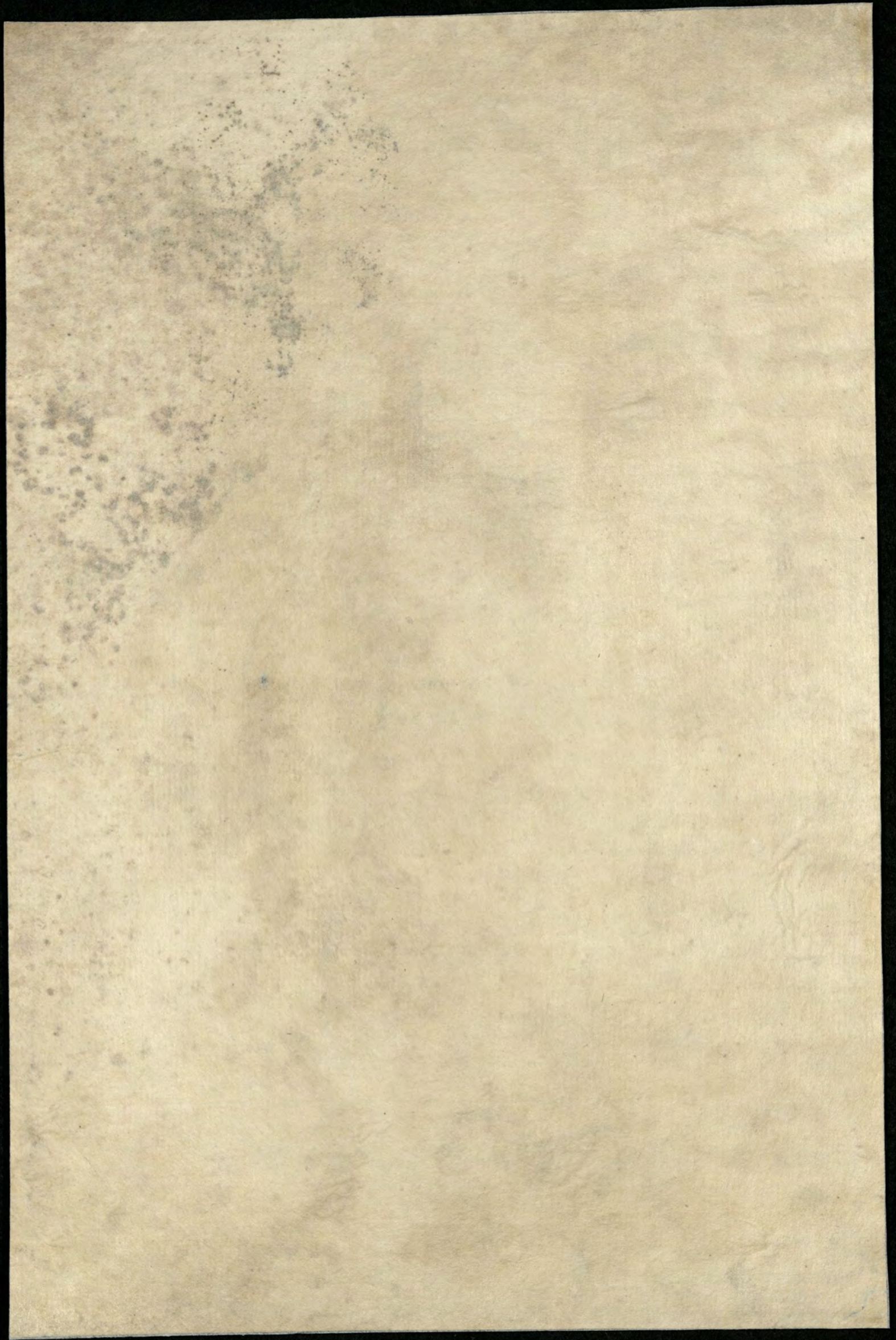
6



GEO. ADDL MSS 32

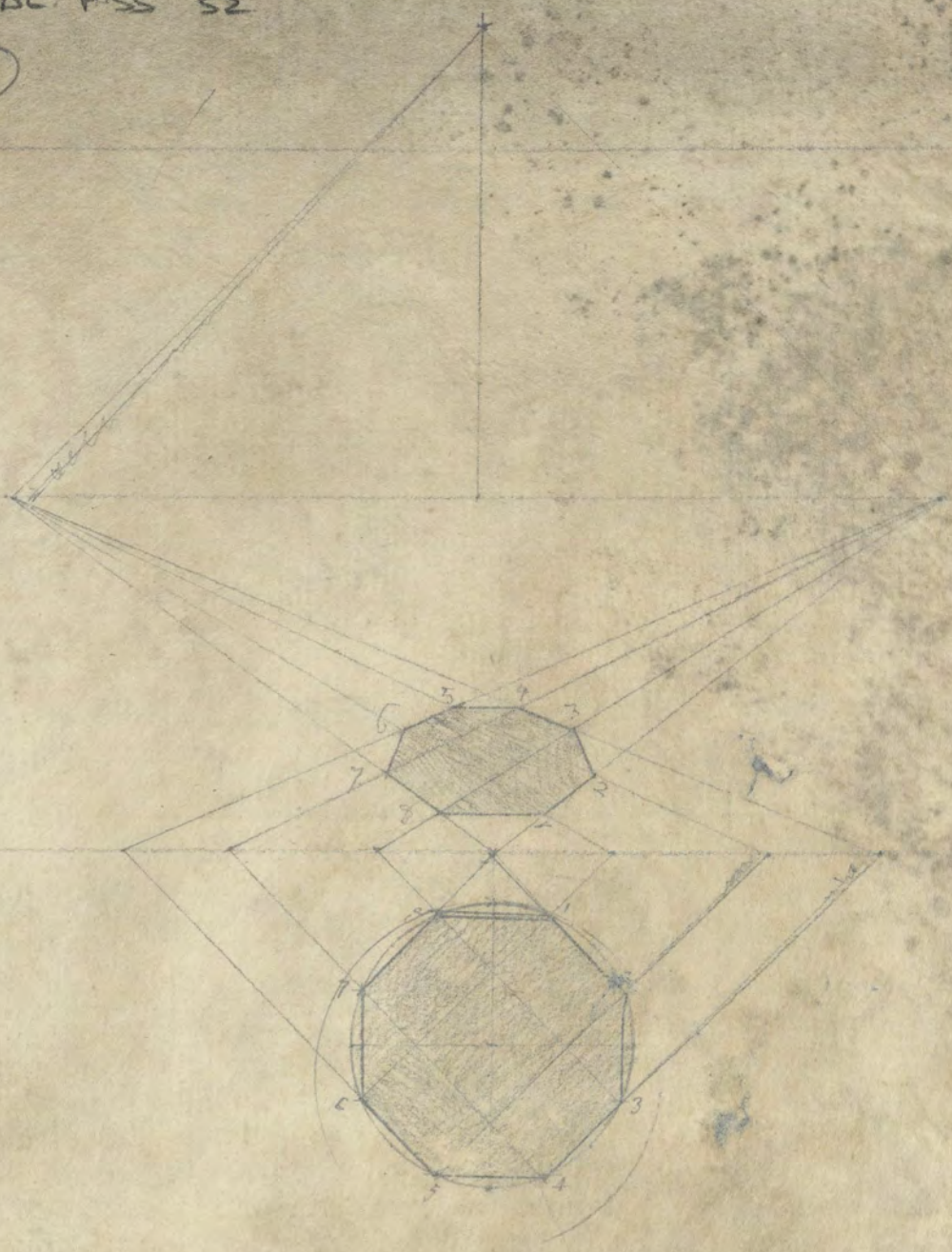
1933

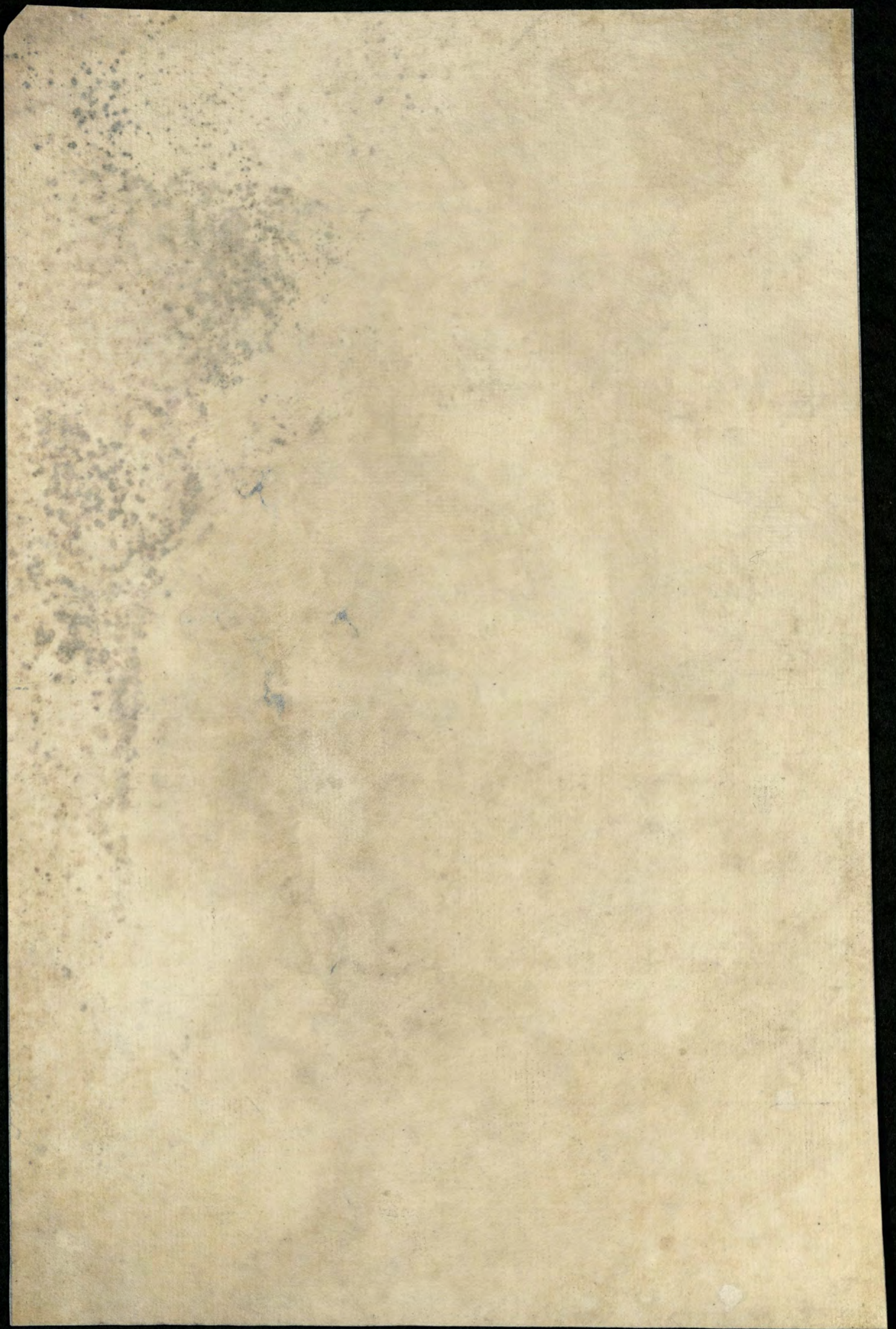




GEO. ADAL. MSS 32

1934

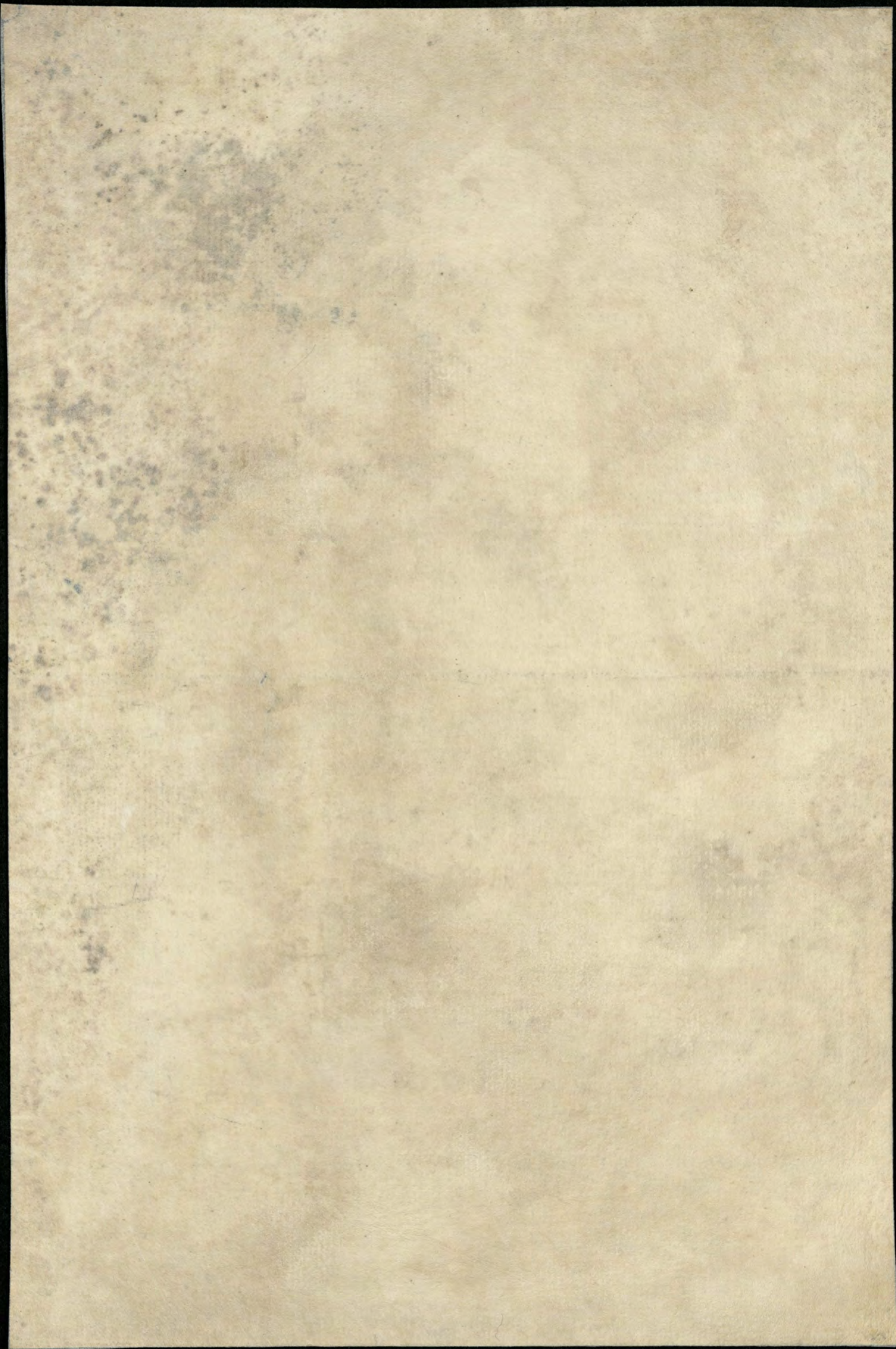




GEO. ADDL. MSS 32

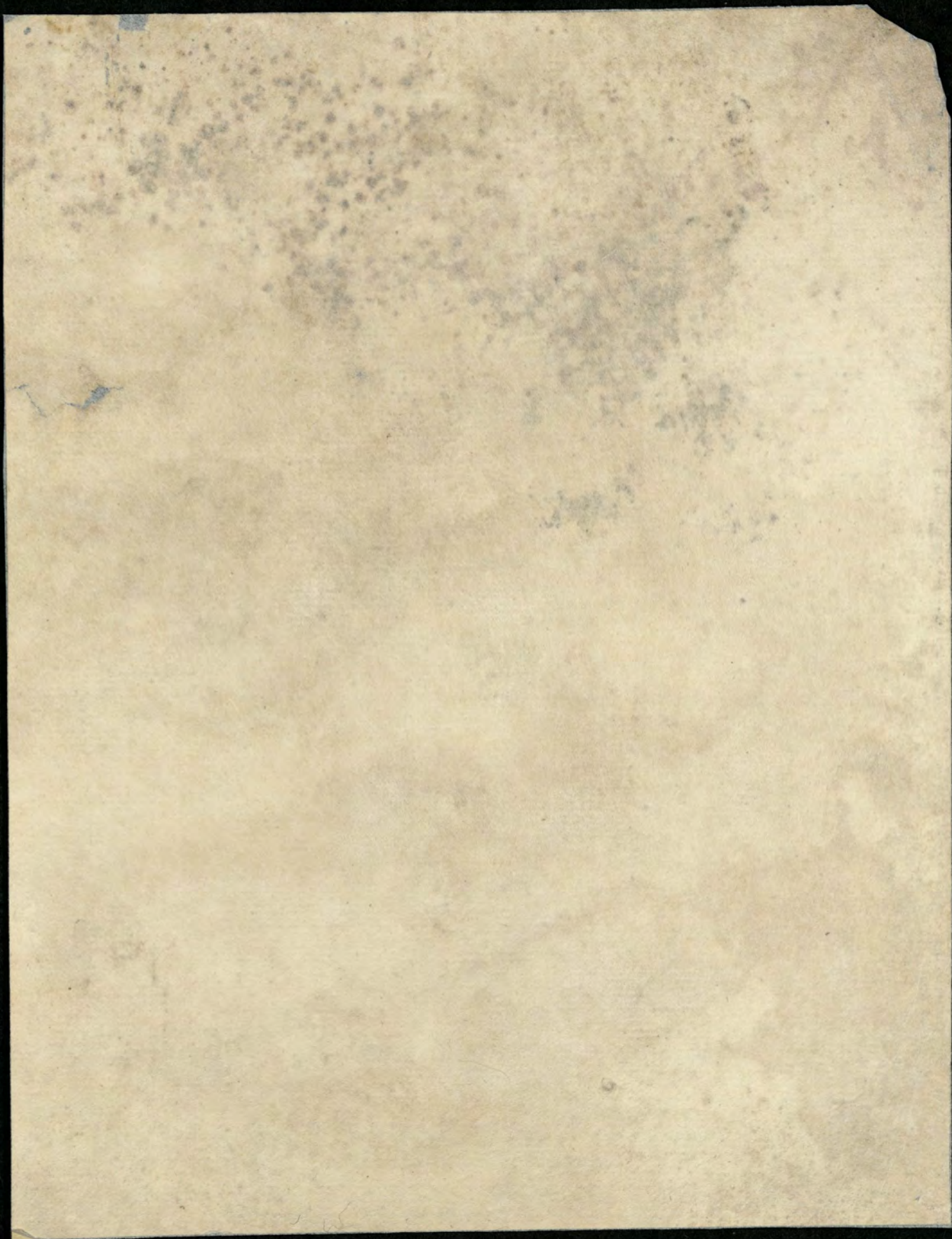
1935





GEO. ADPL MSS
32 (1936)

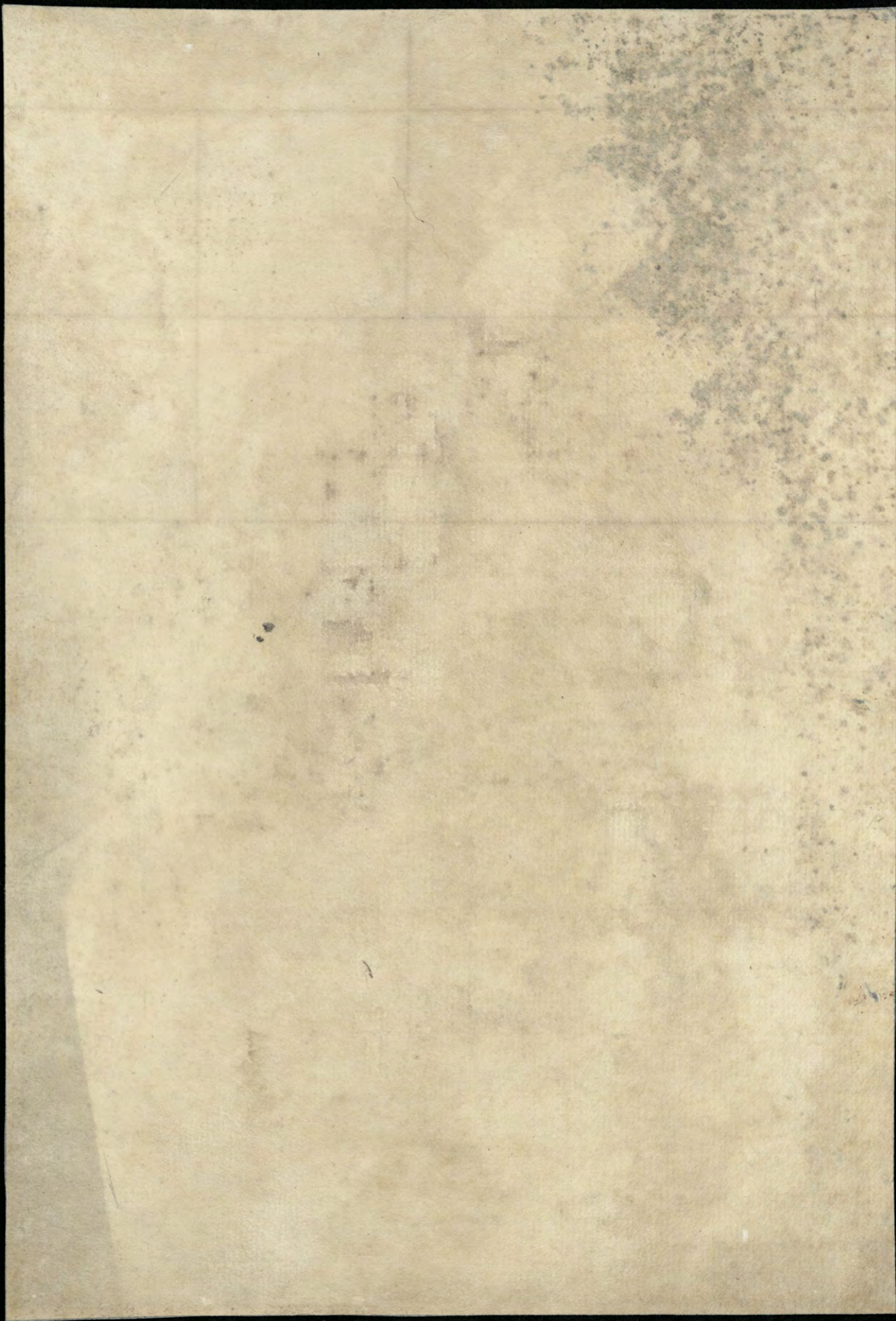




GEO. ADDL MSS 32

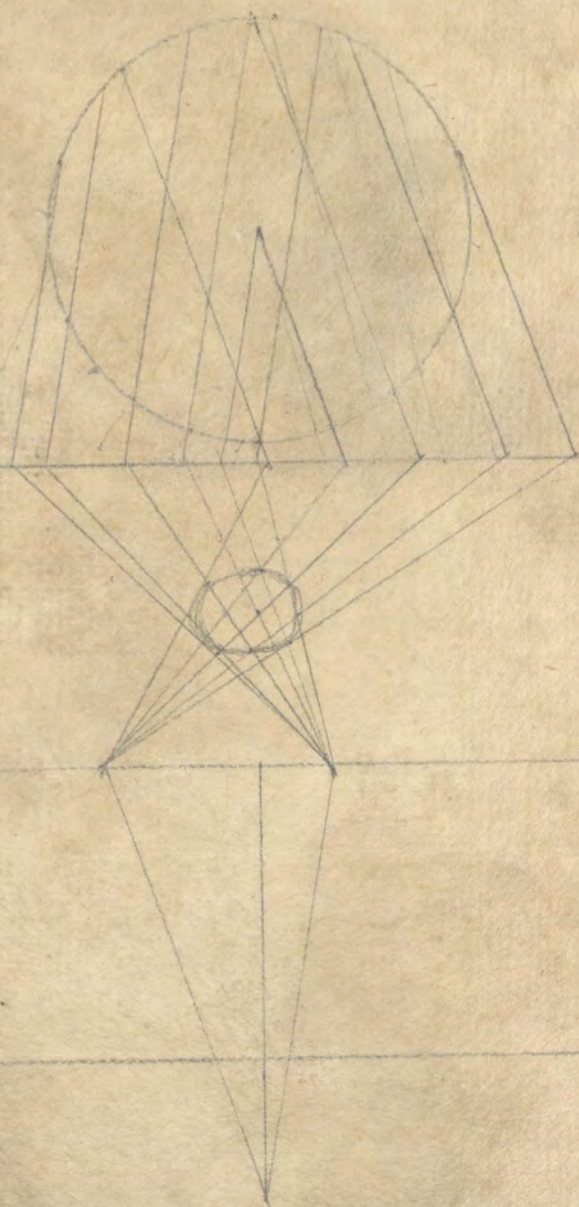
(1937)

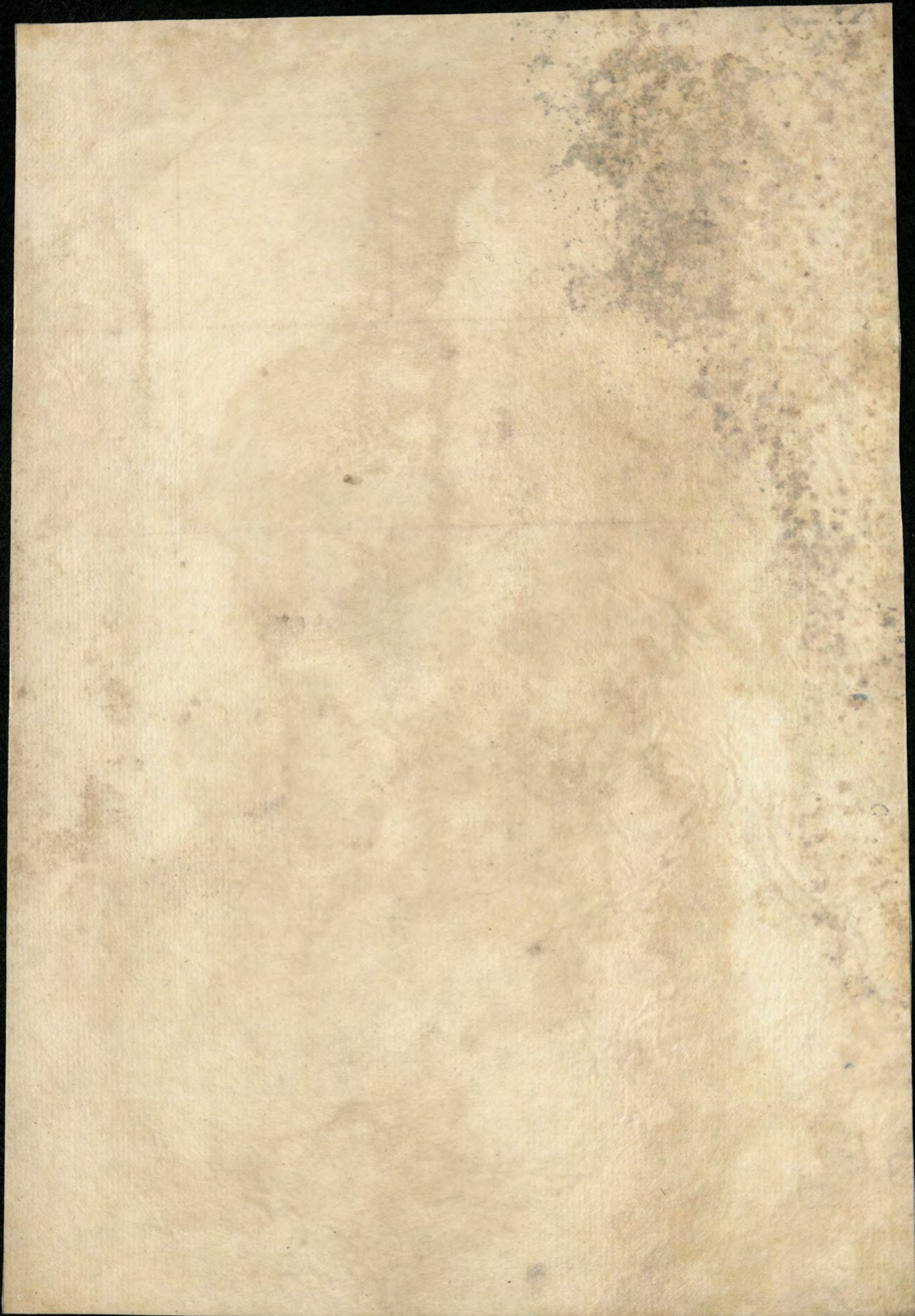




GEO ADDL. MSS 32

1938

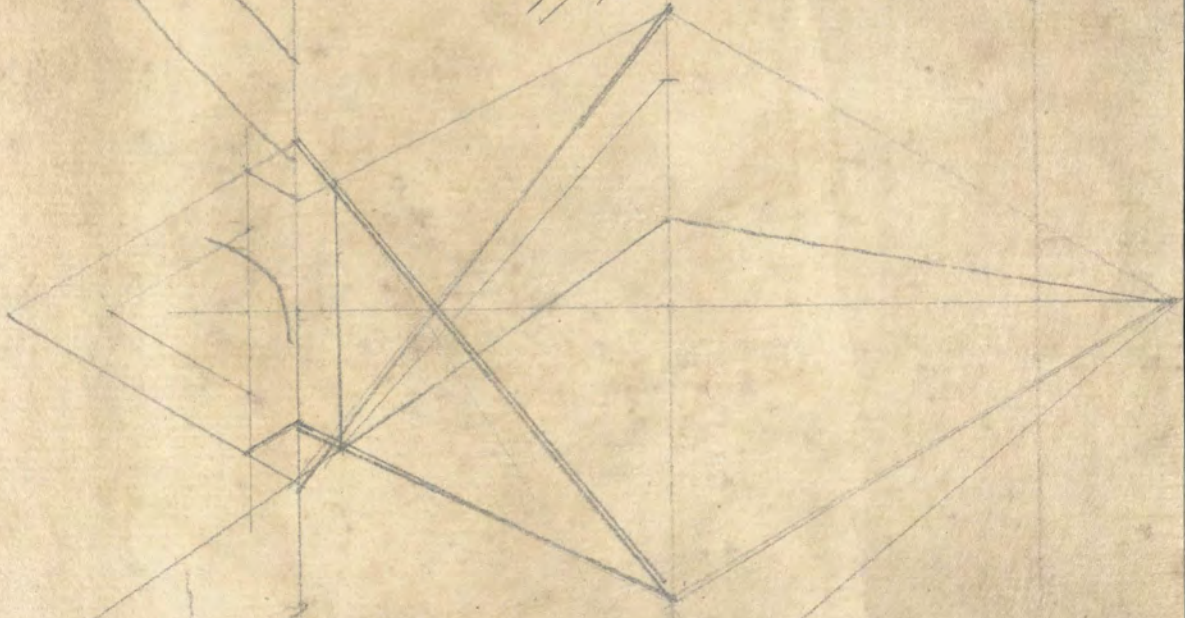


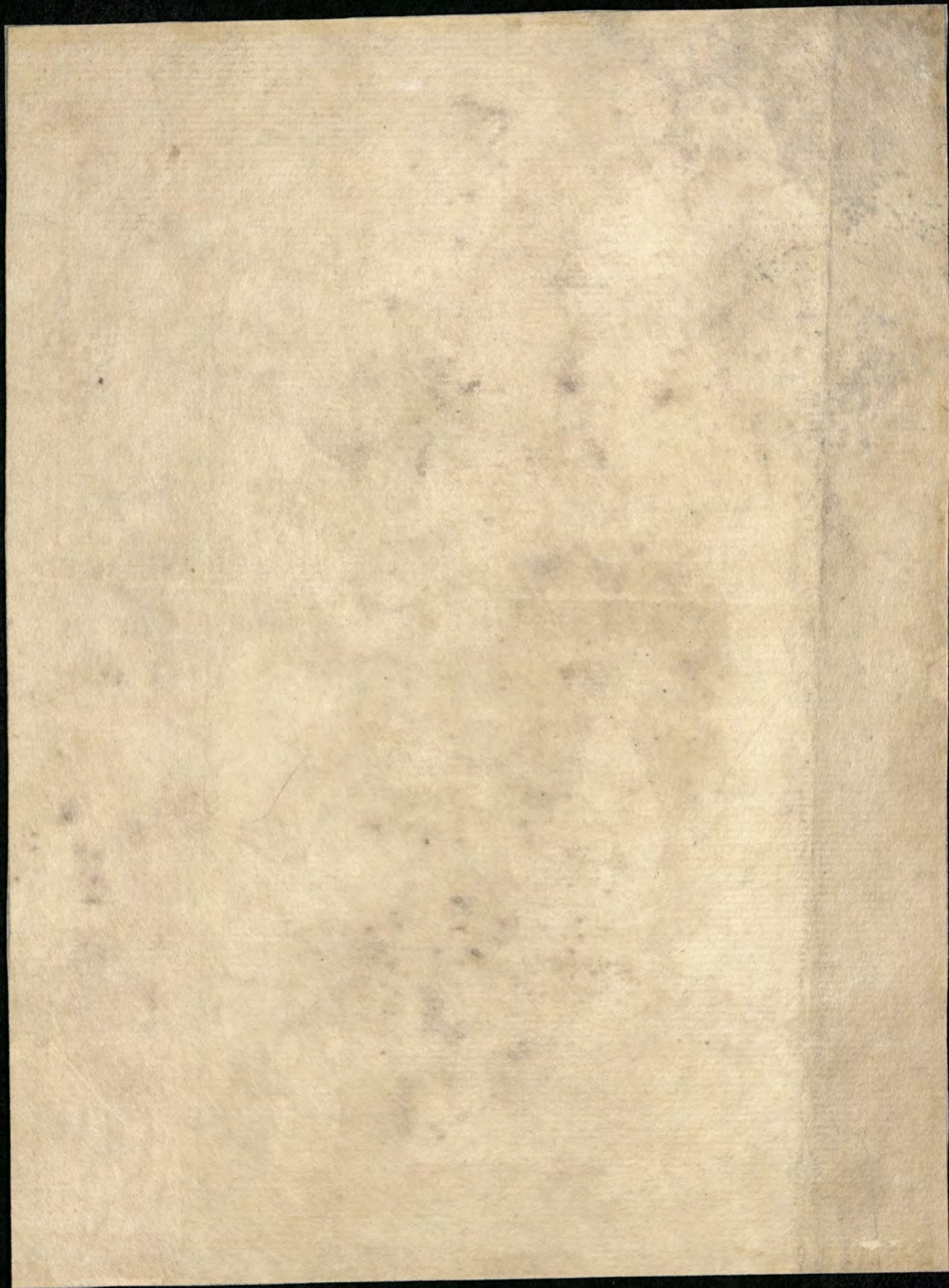


GEO. ADDL MSS

32

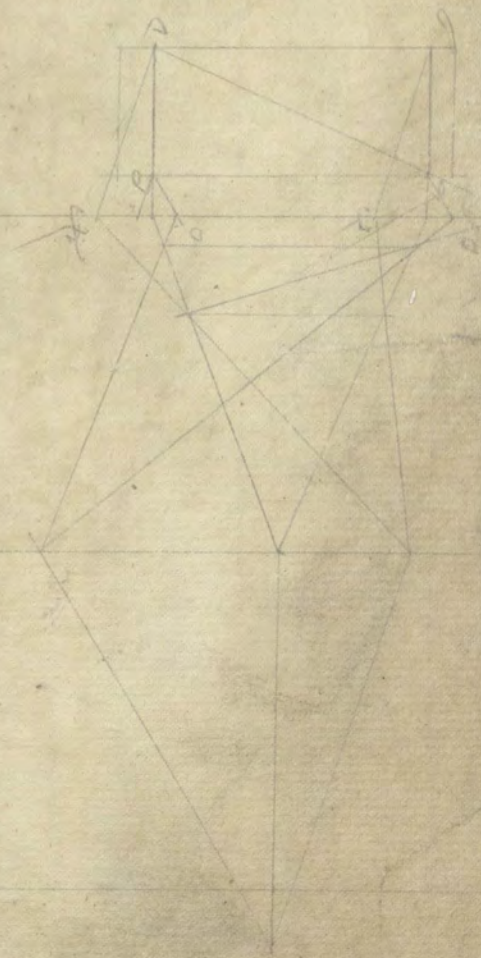
1939





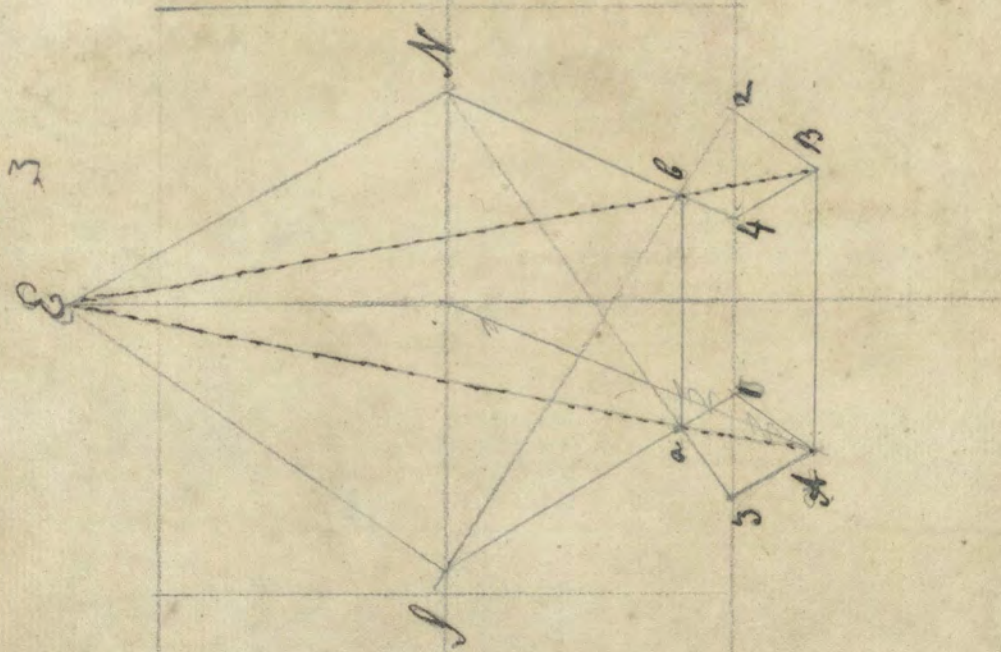
GEO ADD MSS 32

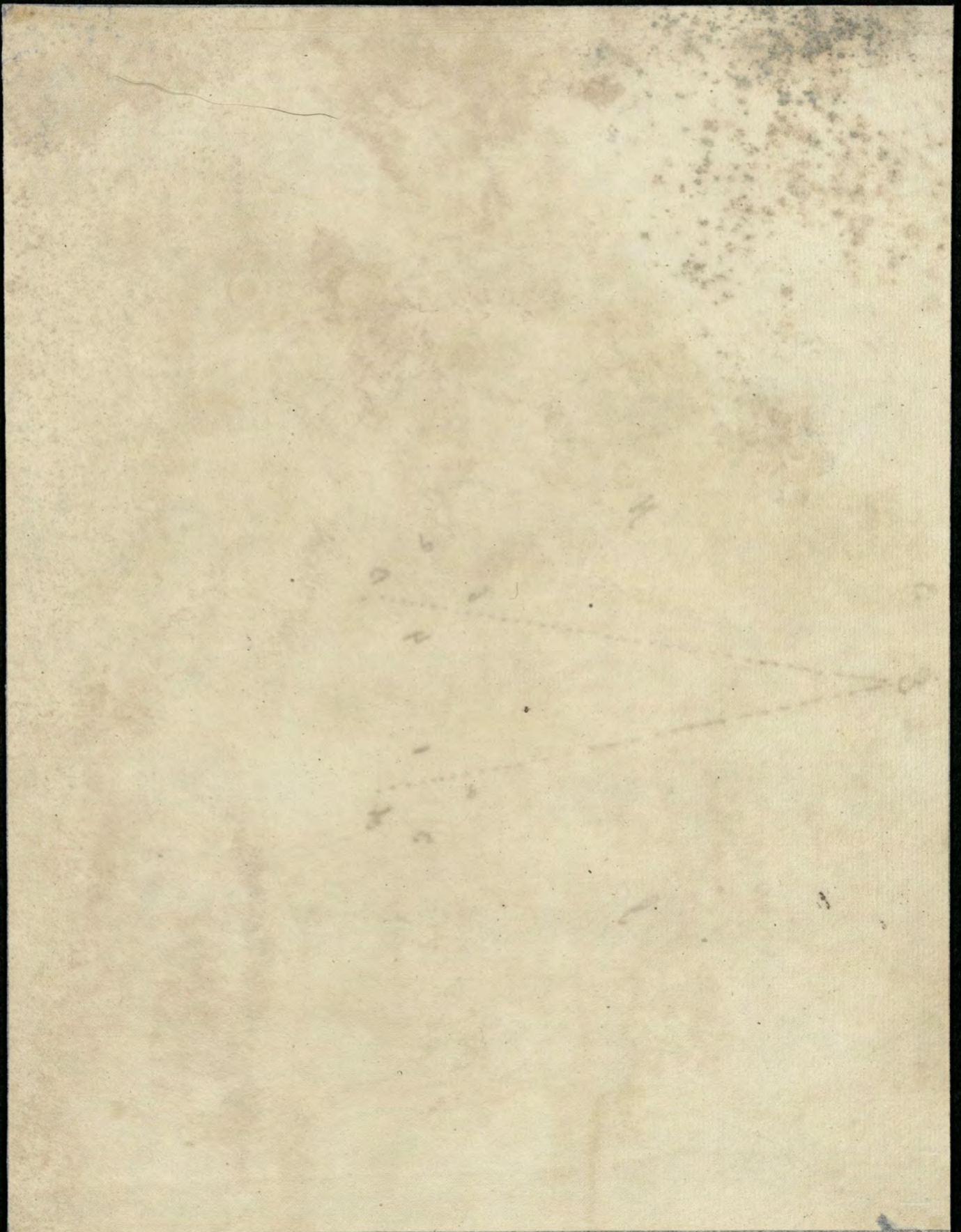
1940



GEO ADD MSS 32

1941

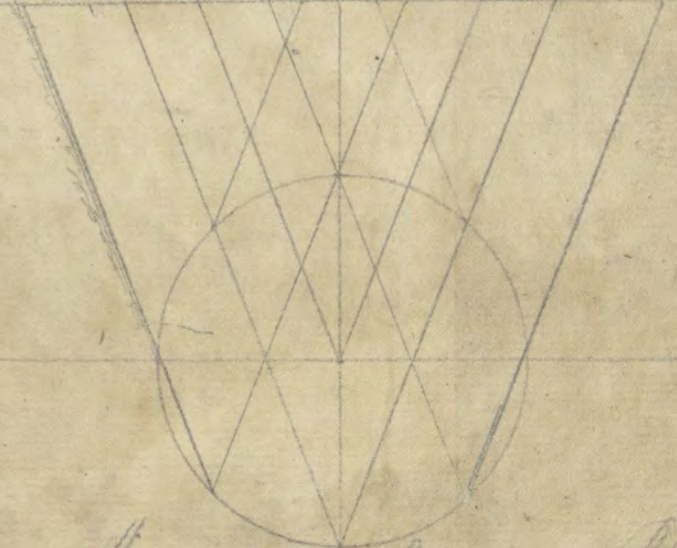




Ground.

Line

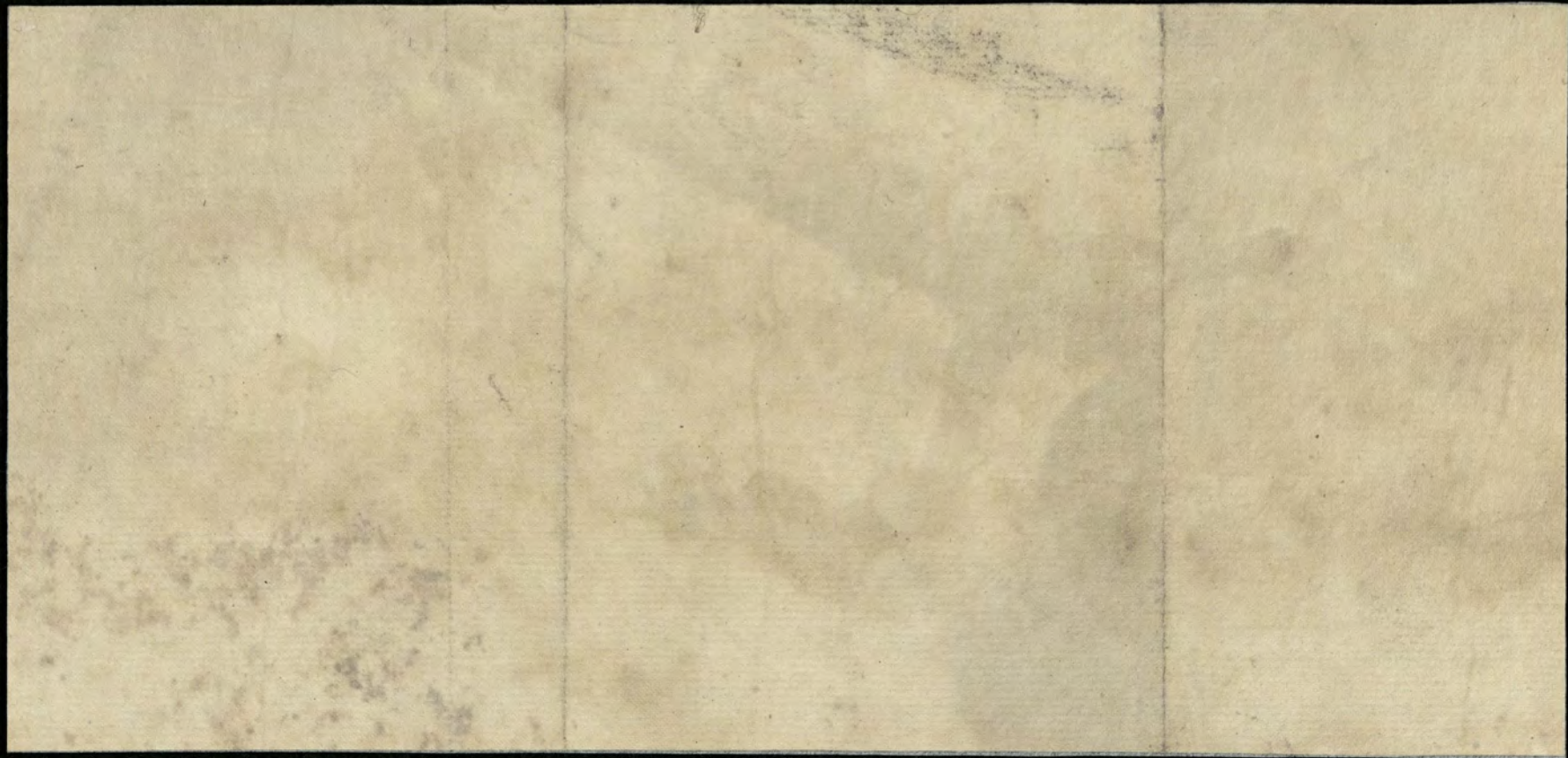
1 2 3 4 5 6 7 8 9 10



The lines 3 & 7. of are only drawn to find the center of

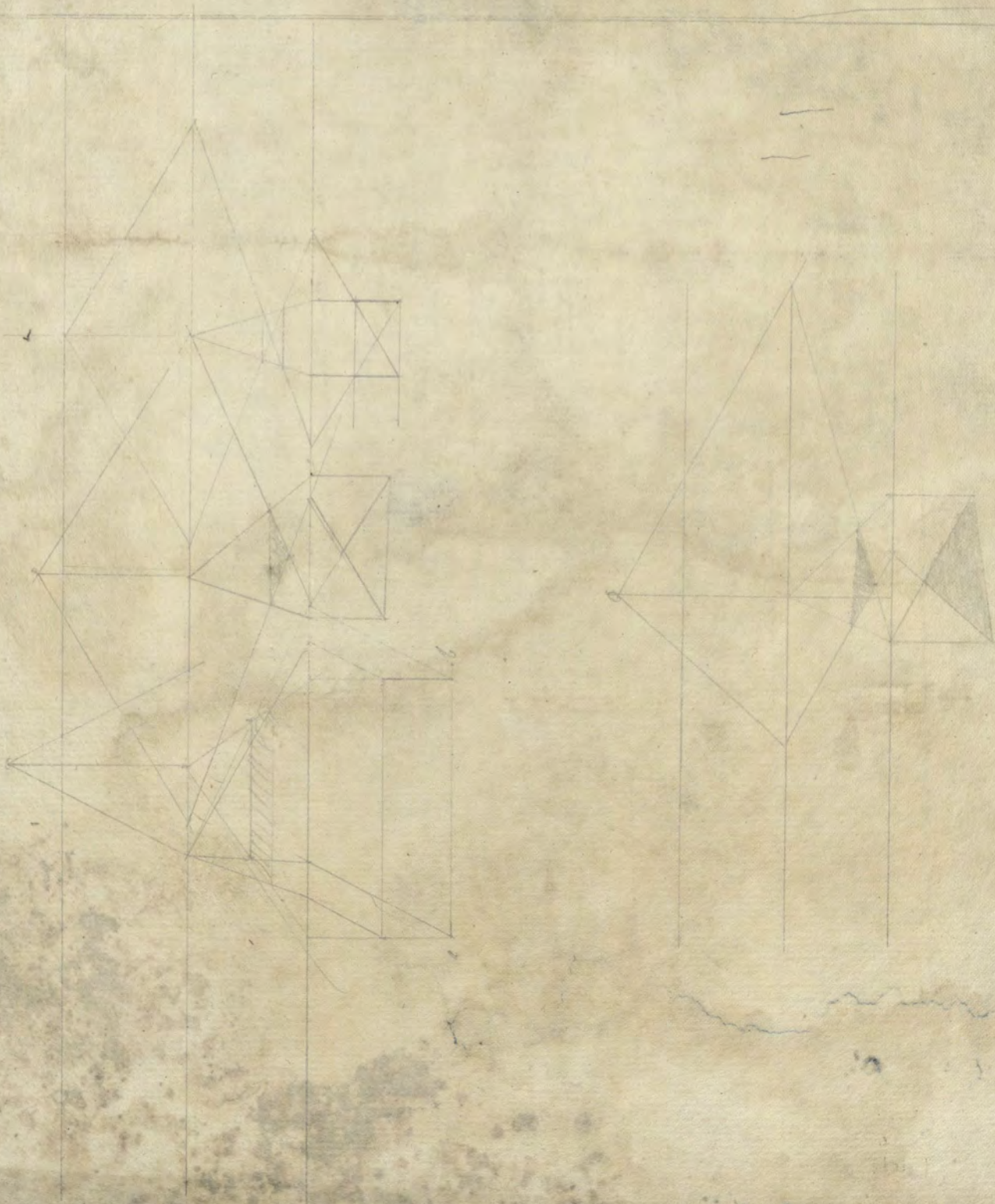
Parallels for putting a circle in perspective

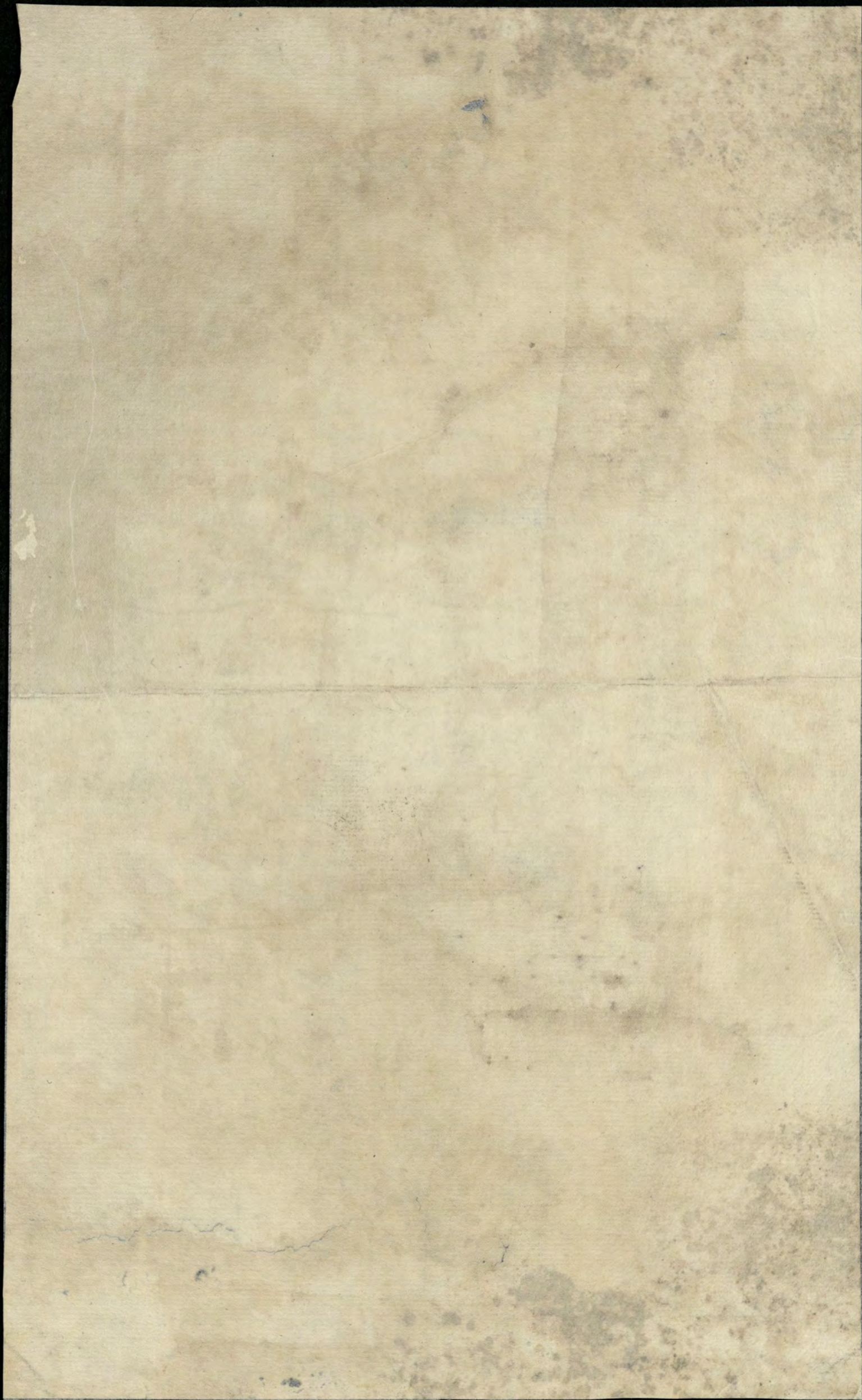
GEO ADD MSS 32
(1942)



GEO ADAL MSS 32

1743

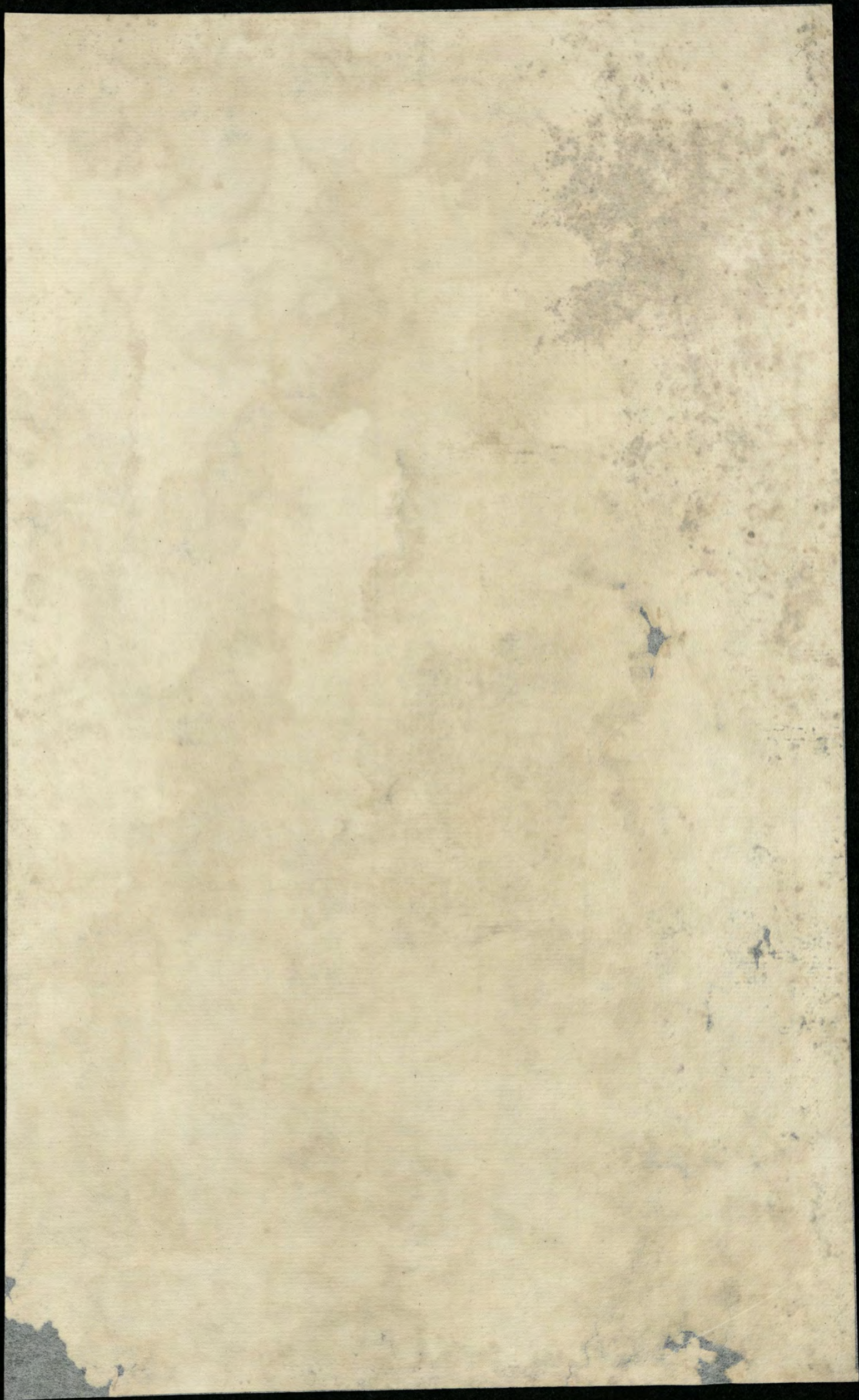




GEO ADDL MSS 32

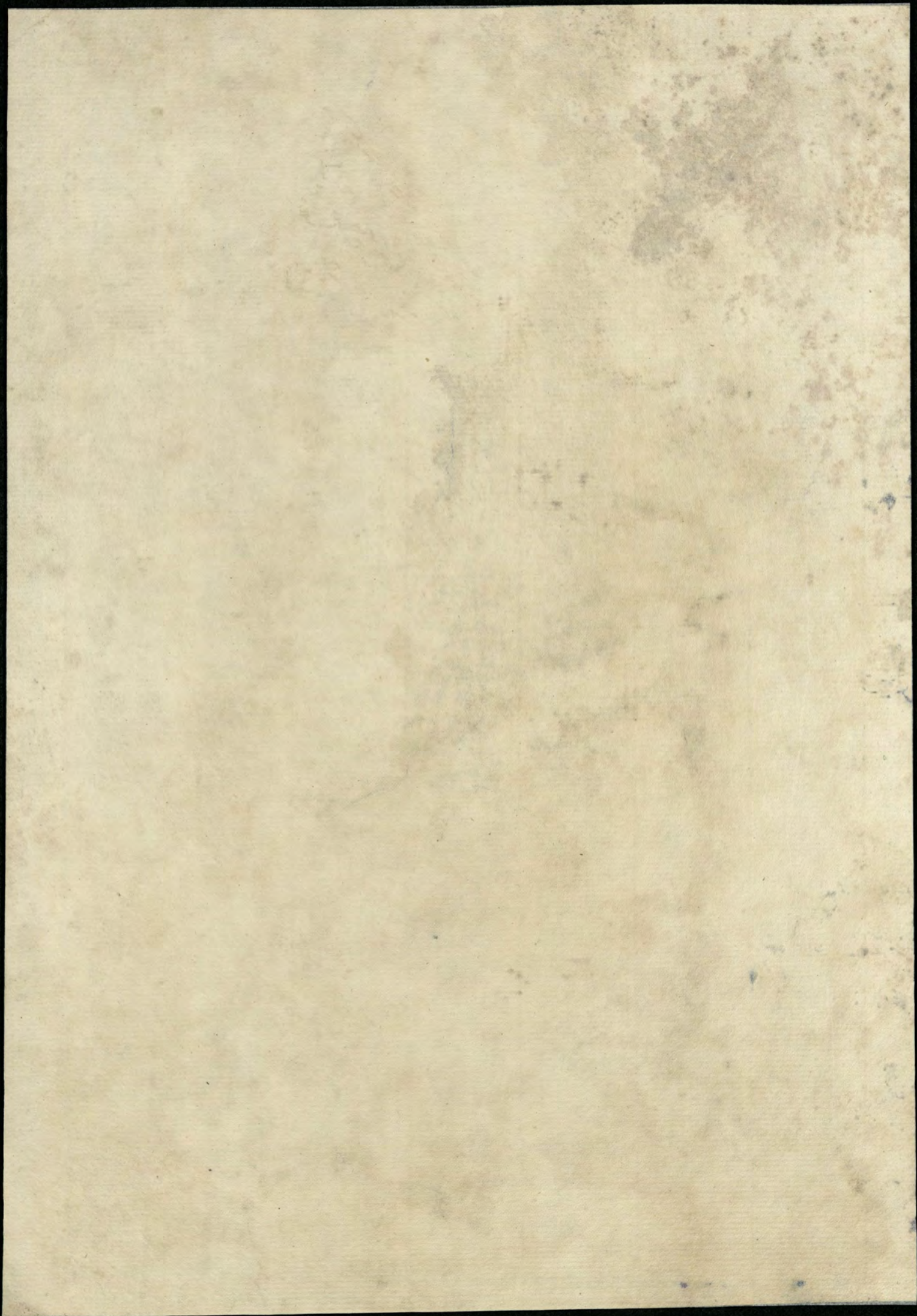
1944





GEO ADAL MSS 32
1945

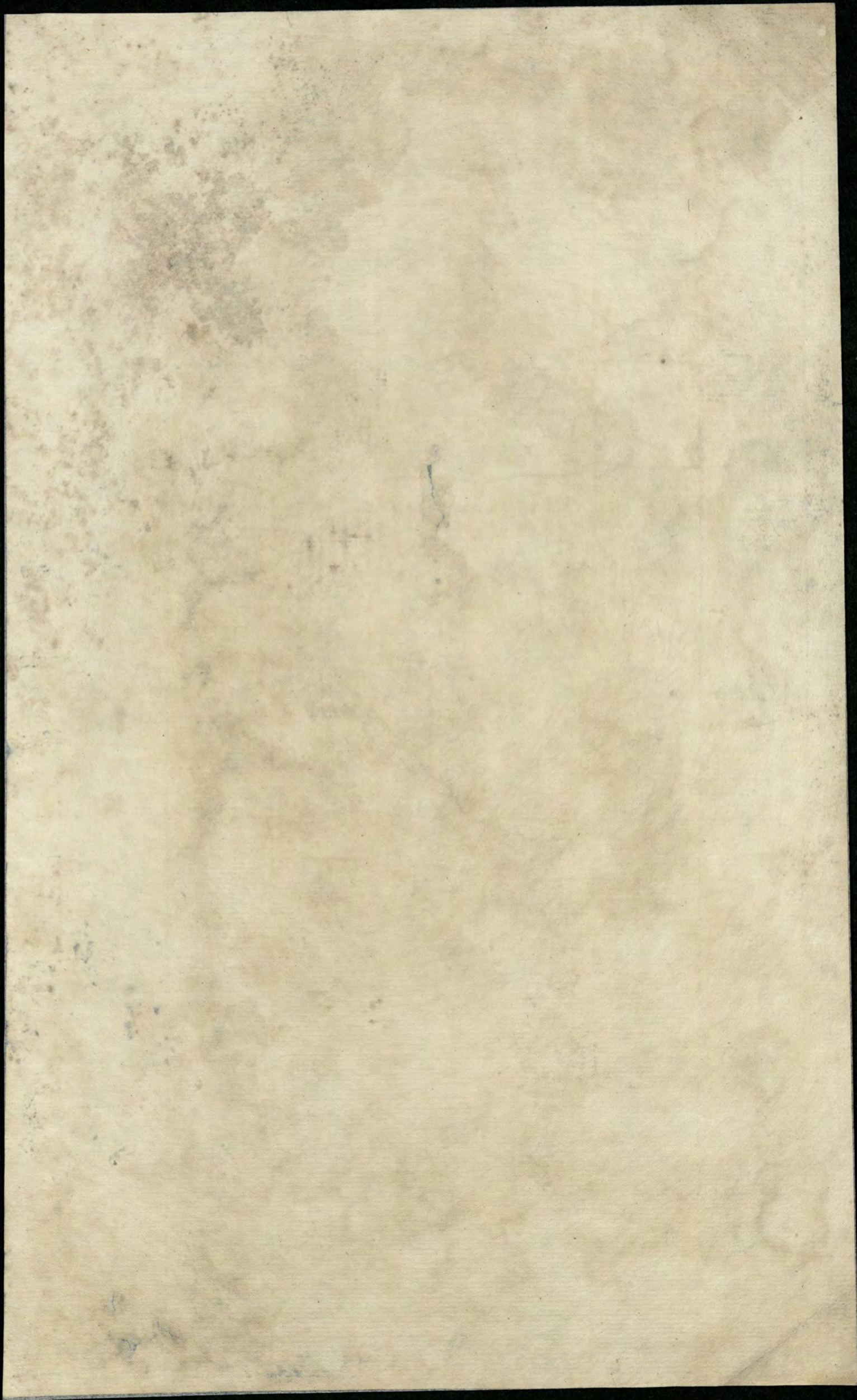




GEO ADD MSS 32

1946





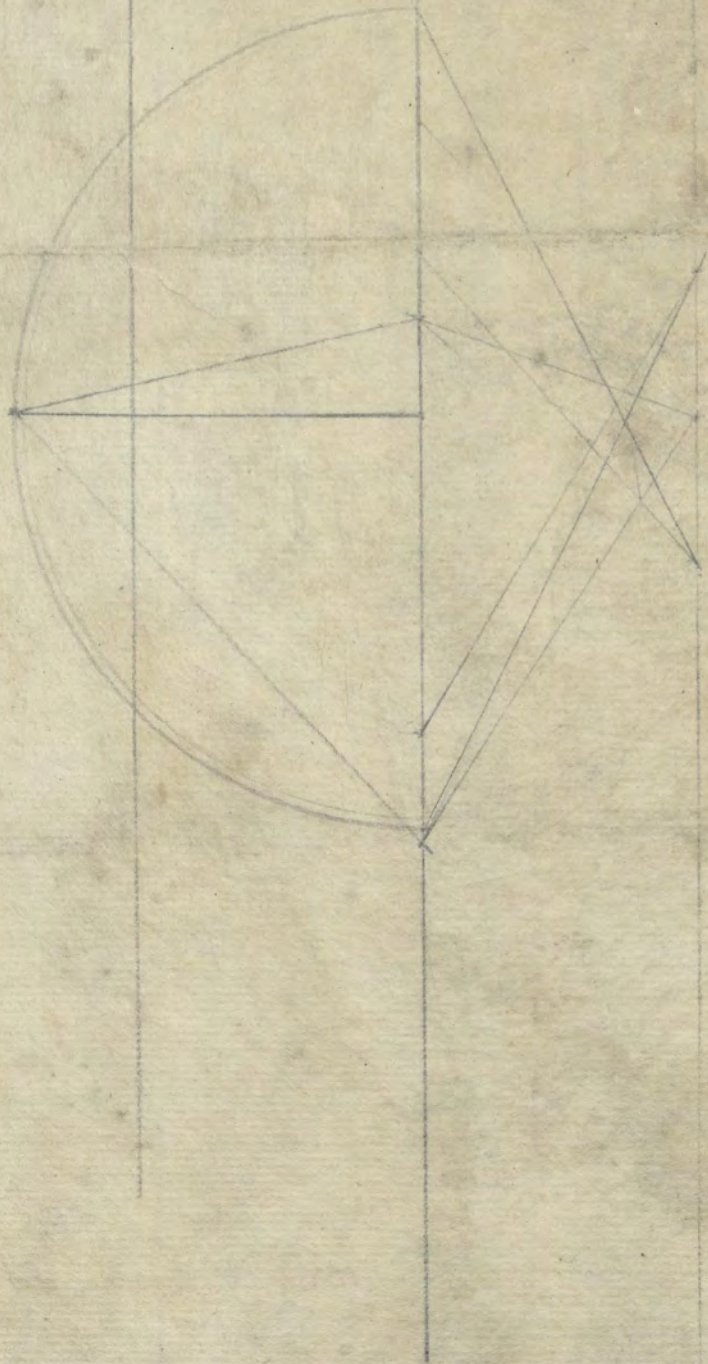
GEO

ADD

MSS

32

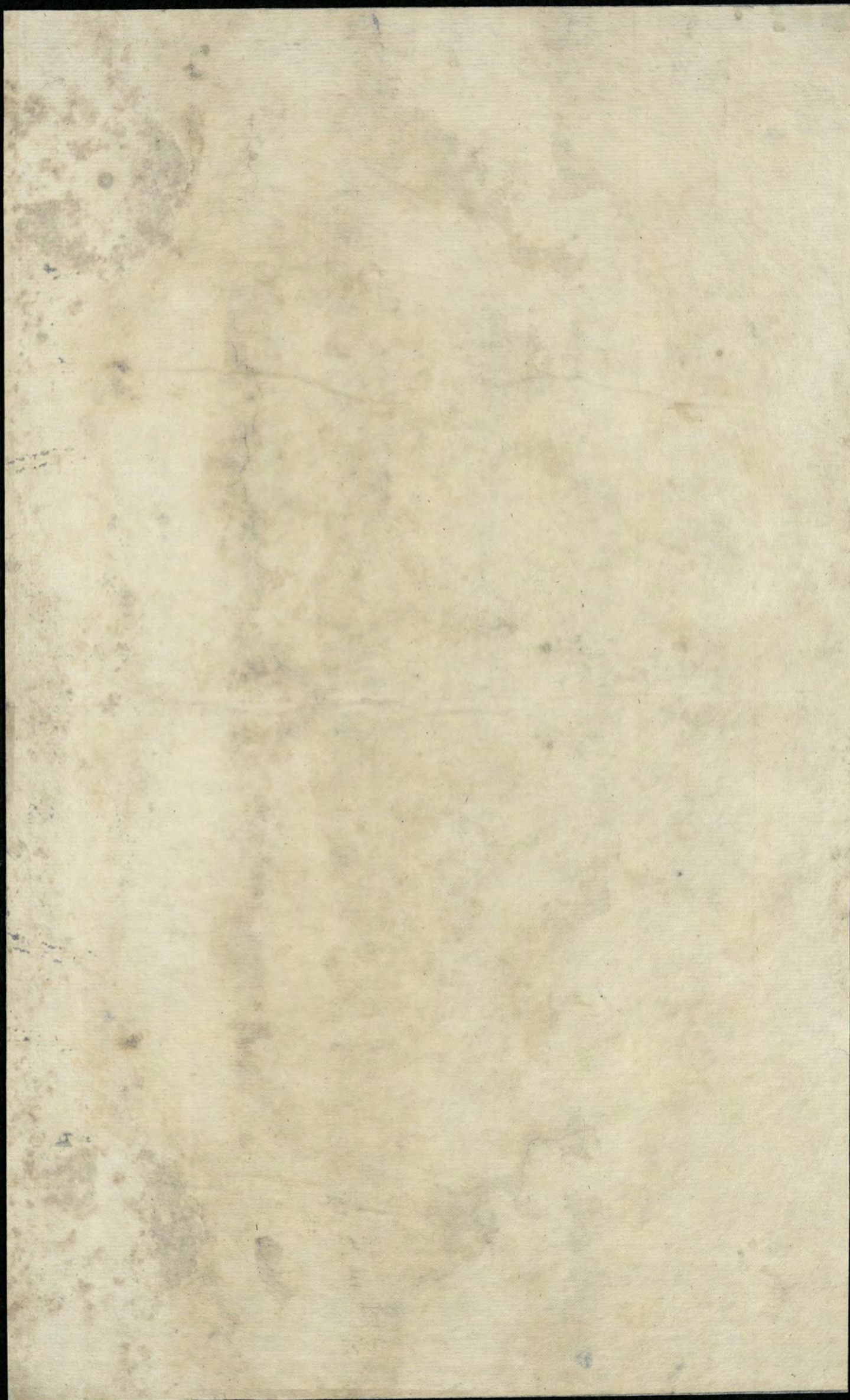
(947)



GEO ADD MSS 32

1948

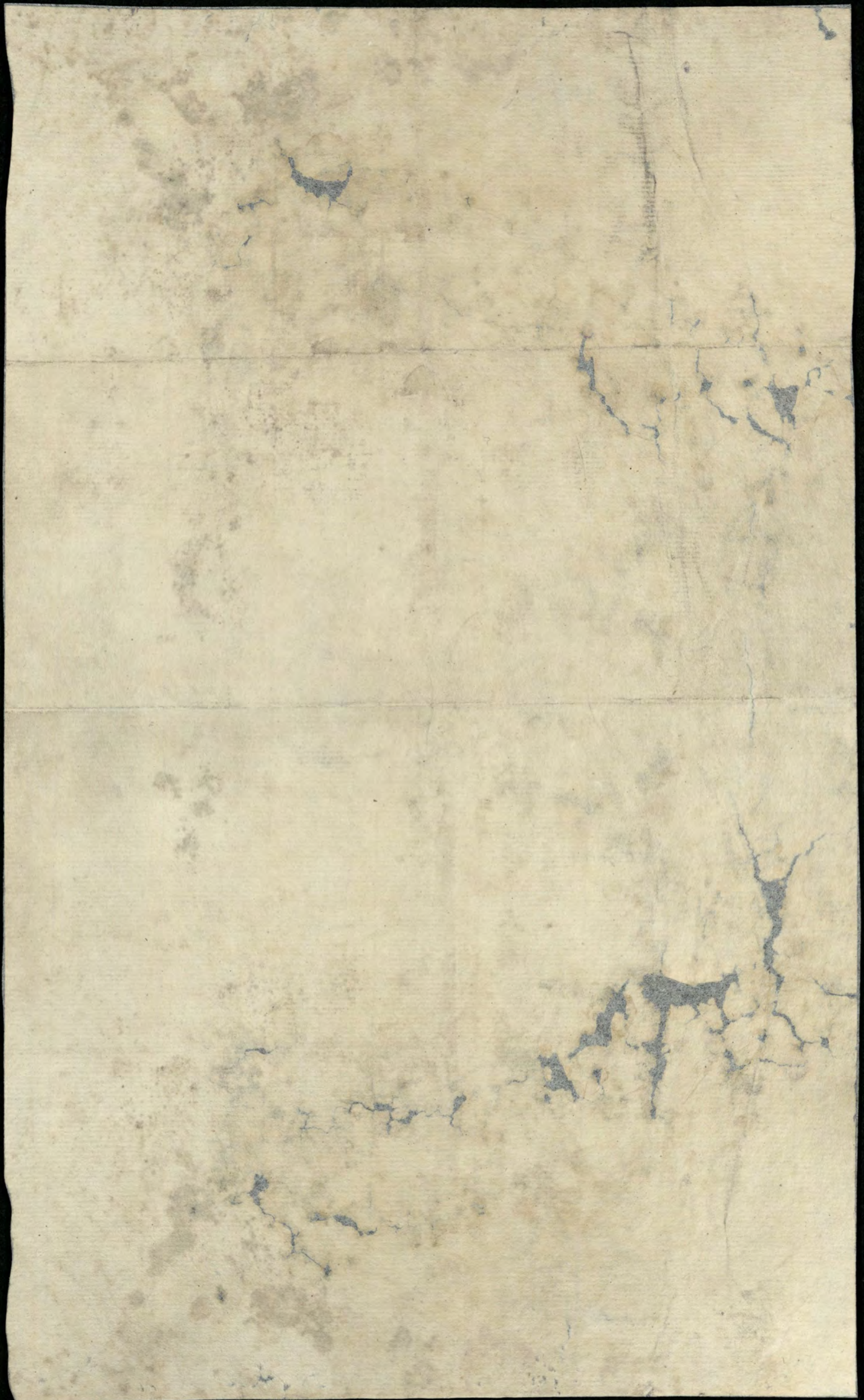




GEO ADDL MSS 32

1949





GEO ADAL MSS 32

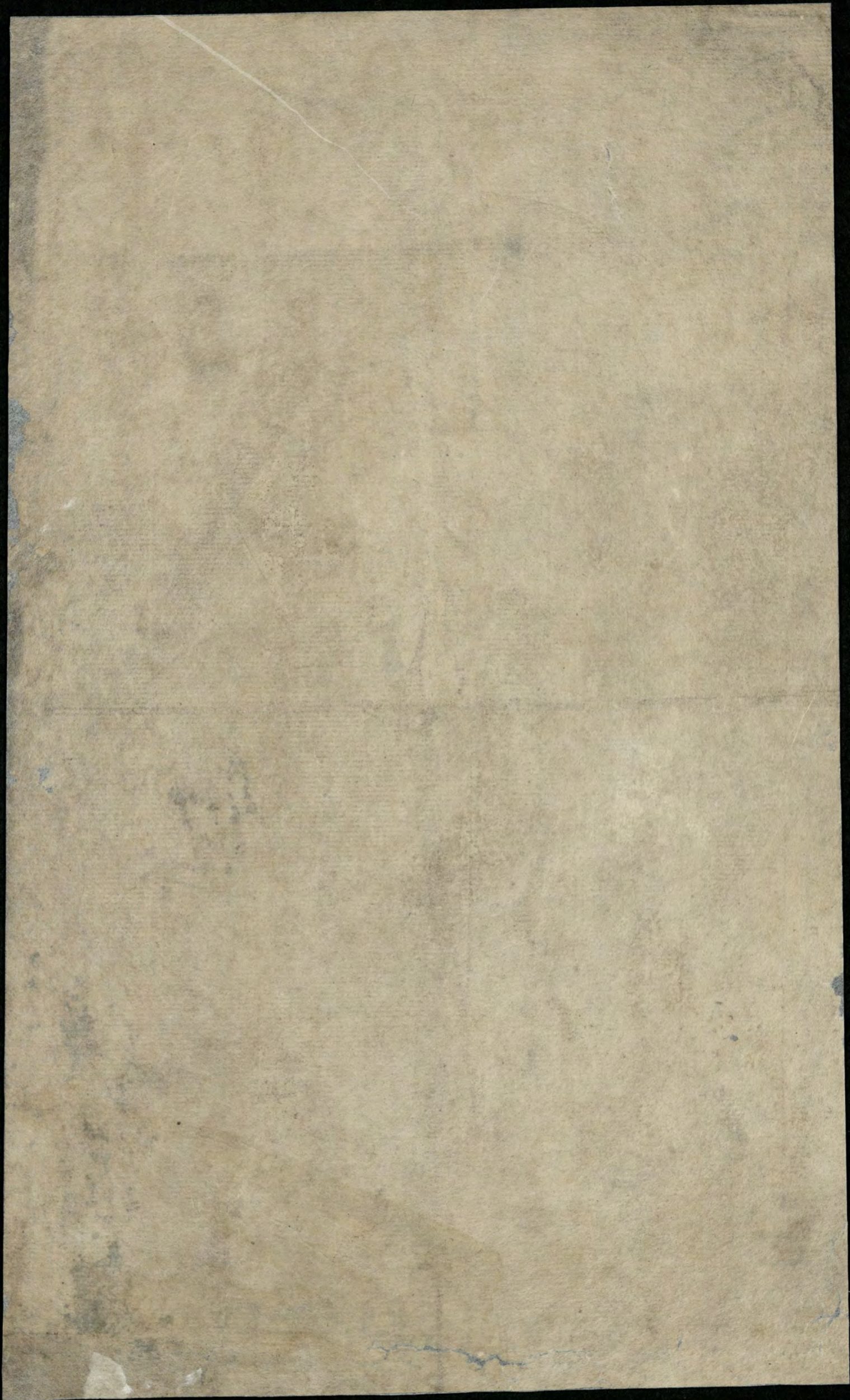
1950



GEO ADDL MSS 32

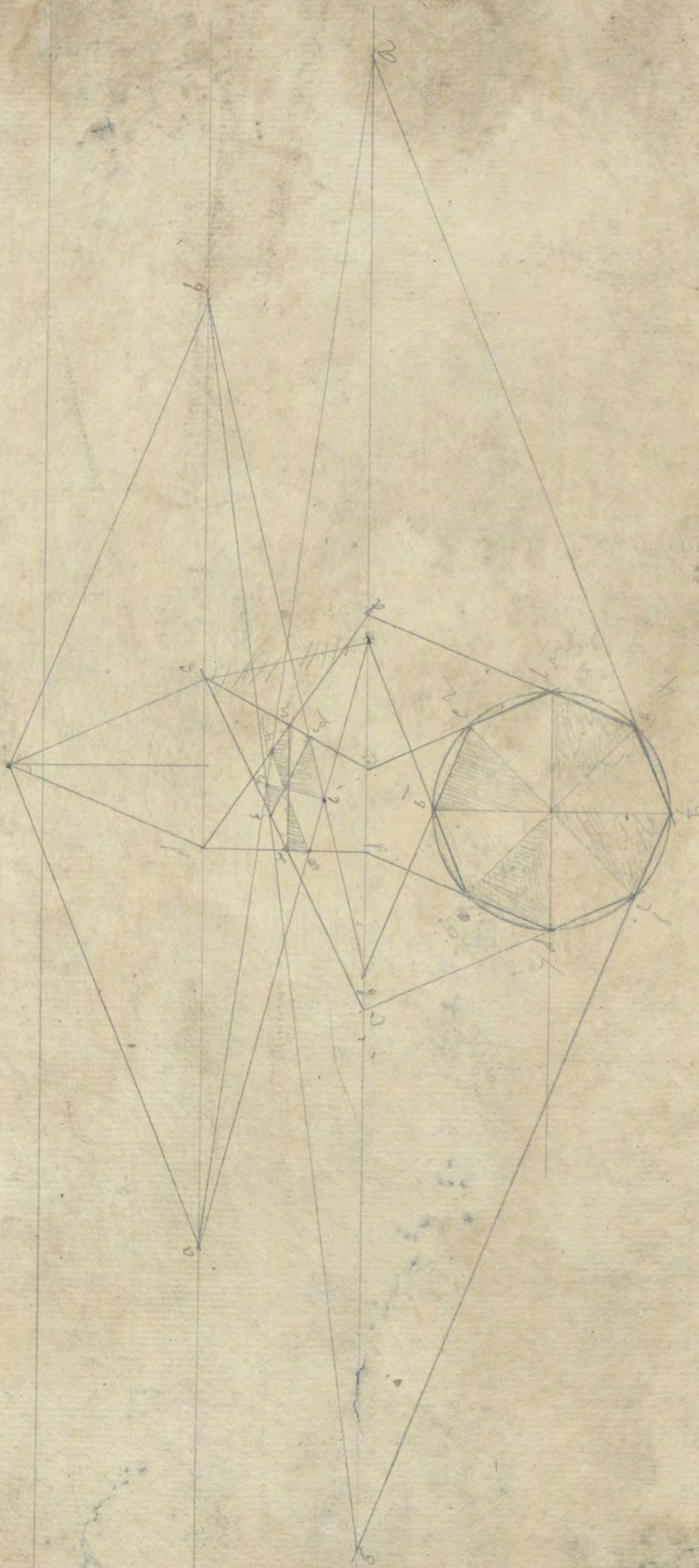
1951





GEO ADDL MSS 32

1952





The manner of finding Polygons, Chords, & the line of lines
on the Sector

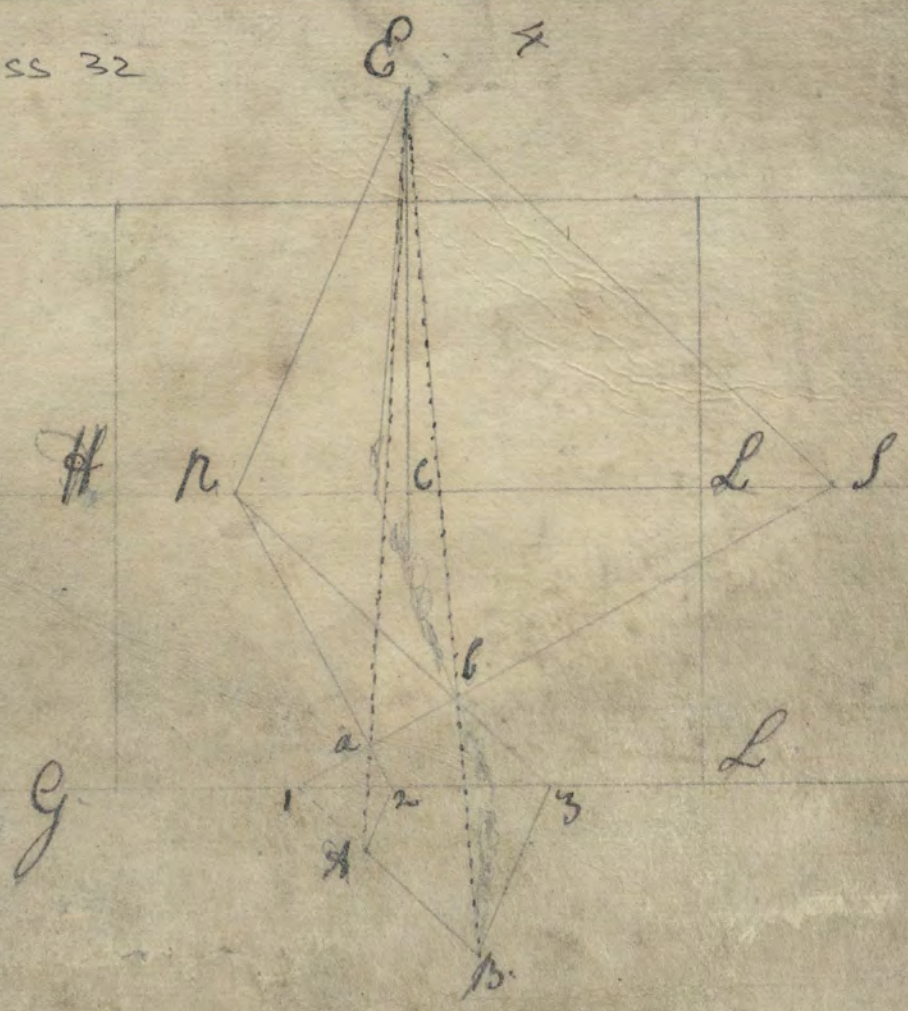
Set off the radius of the circle upon the 6 degree of
the line of Polygons, then by putting the compasses to any
degree, (as for instance) on 12. & You will have a Dodecagon.

By putting the radius of the circle on the 60 degree of the
line of Chords, & then by placing the compasses on any number
(as for example) on 50. & by dividing 560 by that 50 will
be the quotient, which is a Dodecagon.

To divide a line into any given number of parts (as for ex:)
6. set ^{the length of your line} ~~open~~ compasses on 6. & by placing your compasses on
1. You will have the 6th part of the line.

[Faint, illegible handwriting on aged paper]

(1954)



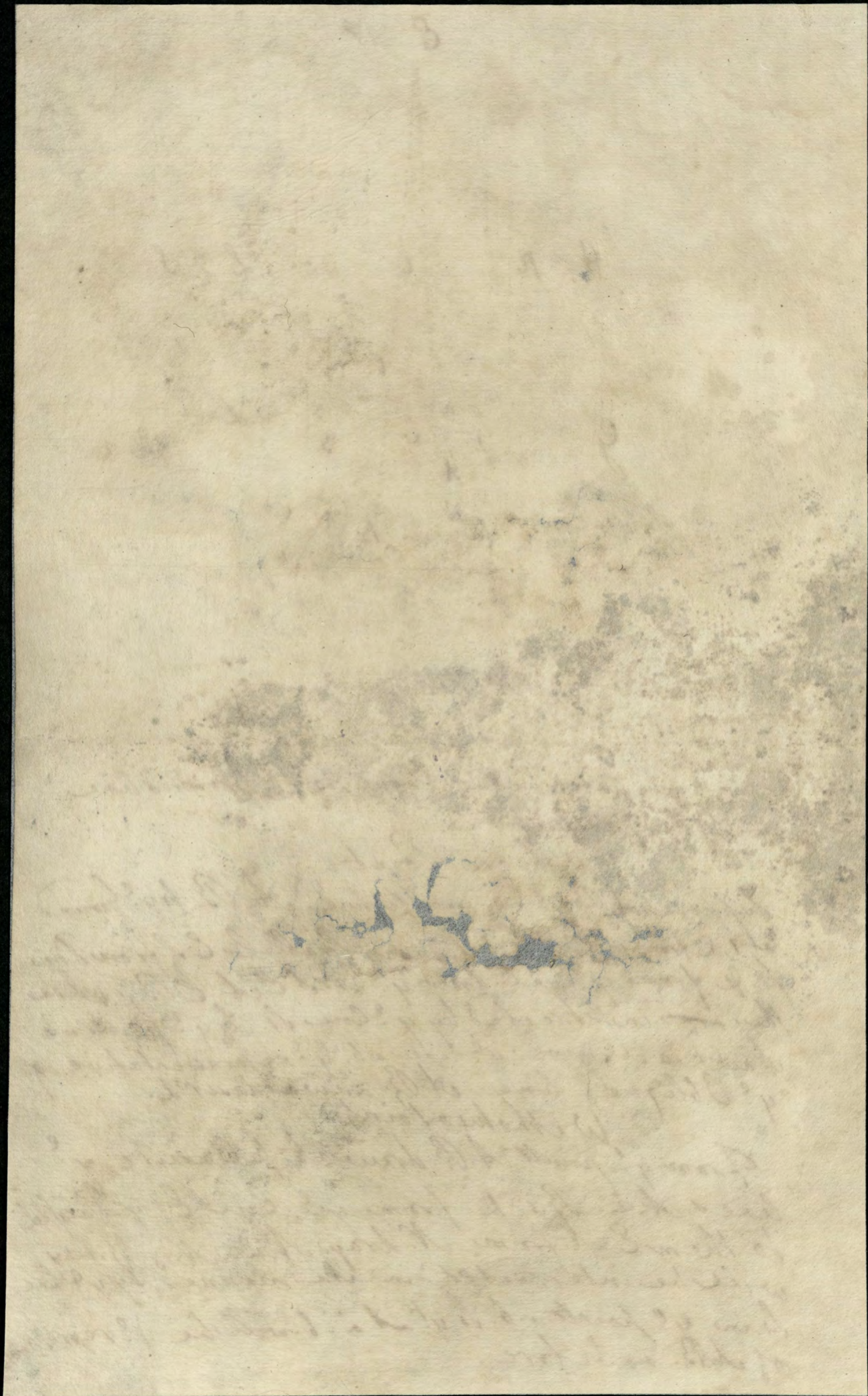
To put a line oblique to y^e ground line
in perspective.

With one Point.

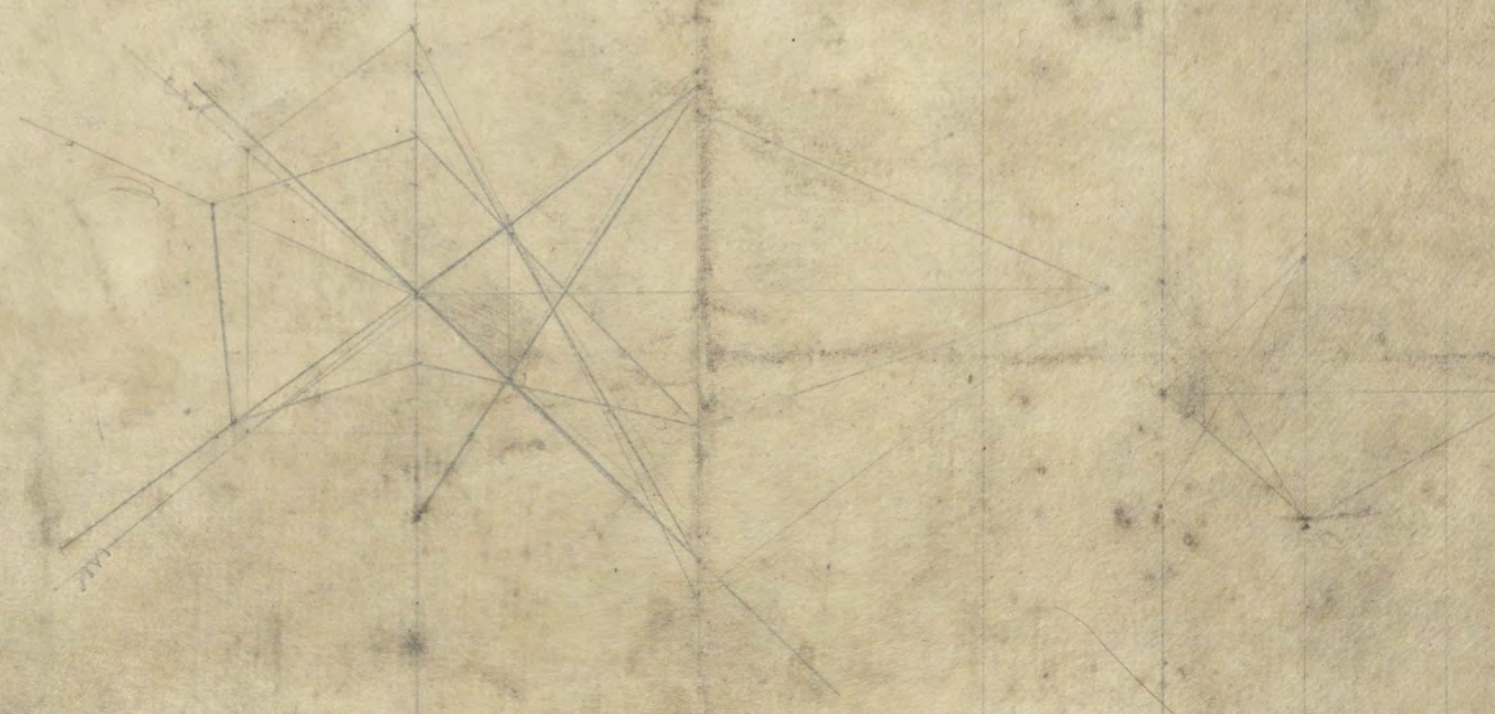
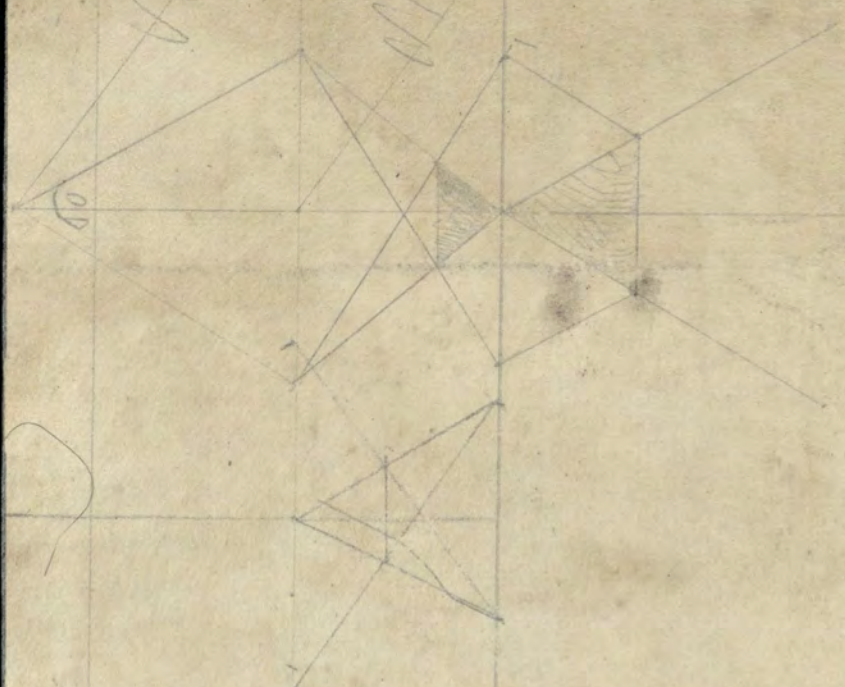
Suppose A.B. y^e line to rise A. B. by y^e ground
at 1 & from y^e Eye E. draw y^e Parallel E.D. from D. draw
D. 1. & from y^e Eye E. draw y^e lines E.A. E.B. & where
they ~~are~~ intersected by y^e line D. 1. in y^e points a. b.
which will give y^e line a. b. y^e representative of
y^e Oblique line A.B. as was desired.

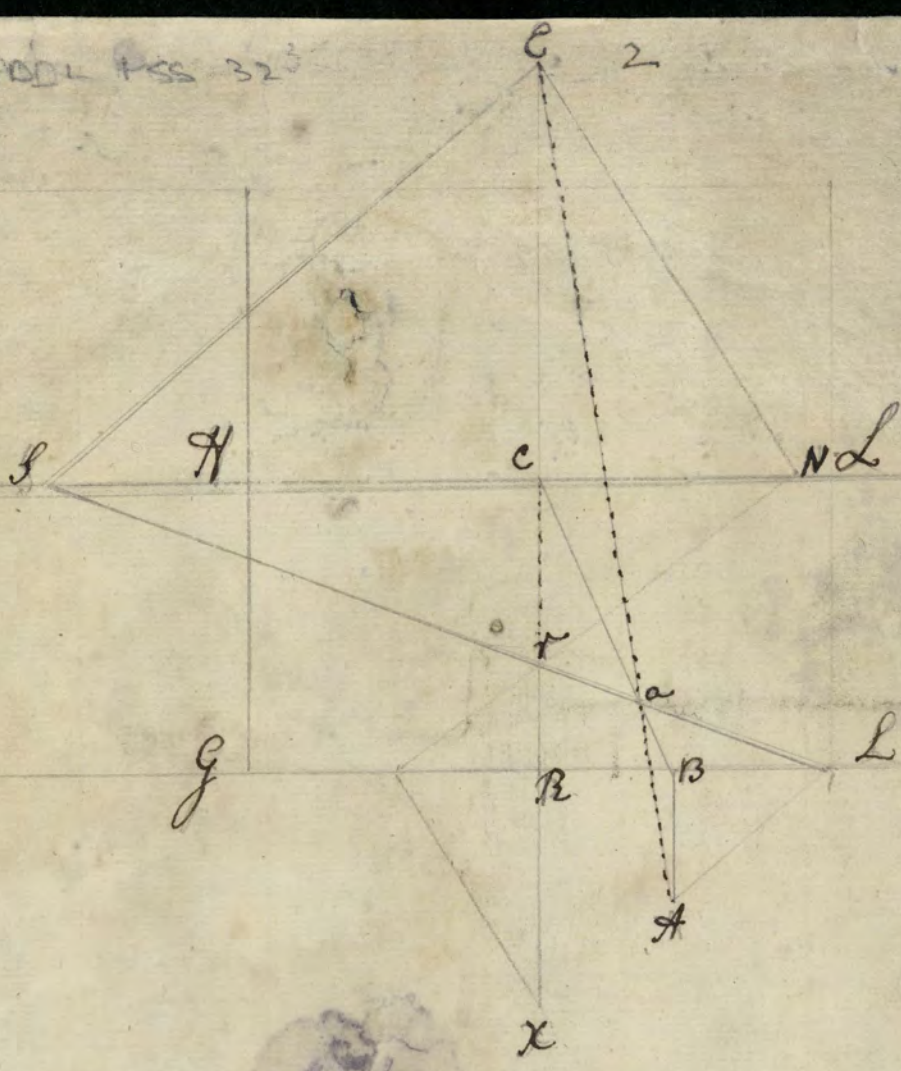
With two Points.

From y^e points A. B. draw at pleasure y^e
lines A. 2. B. 3. & from y^e Eye E. y^e Parallel
to them E. N. from N. draw N. 2. N. 3. & they
will be intersected in like manner by y^e line
D. 1. in y^e points a. b. so y^e A. a. b. will be y^e representative
of A. B. as before.



1955



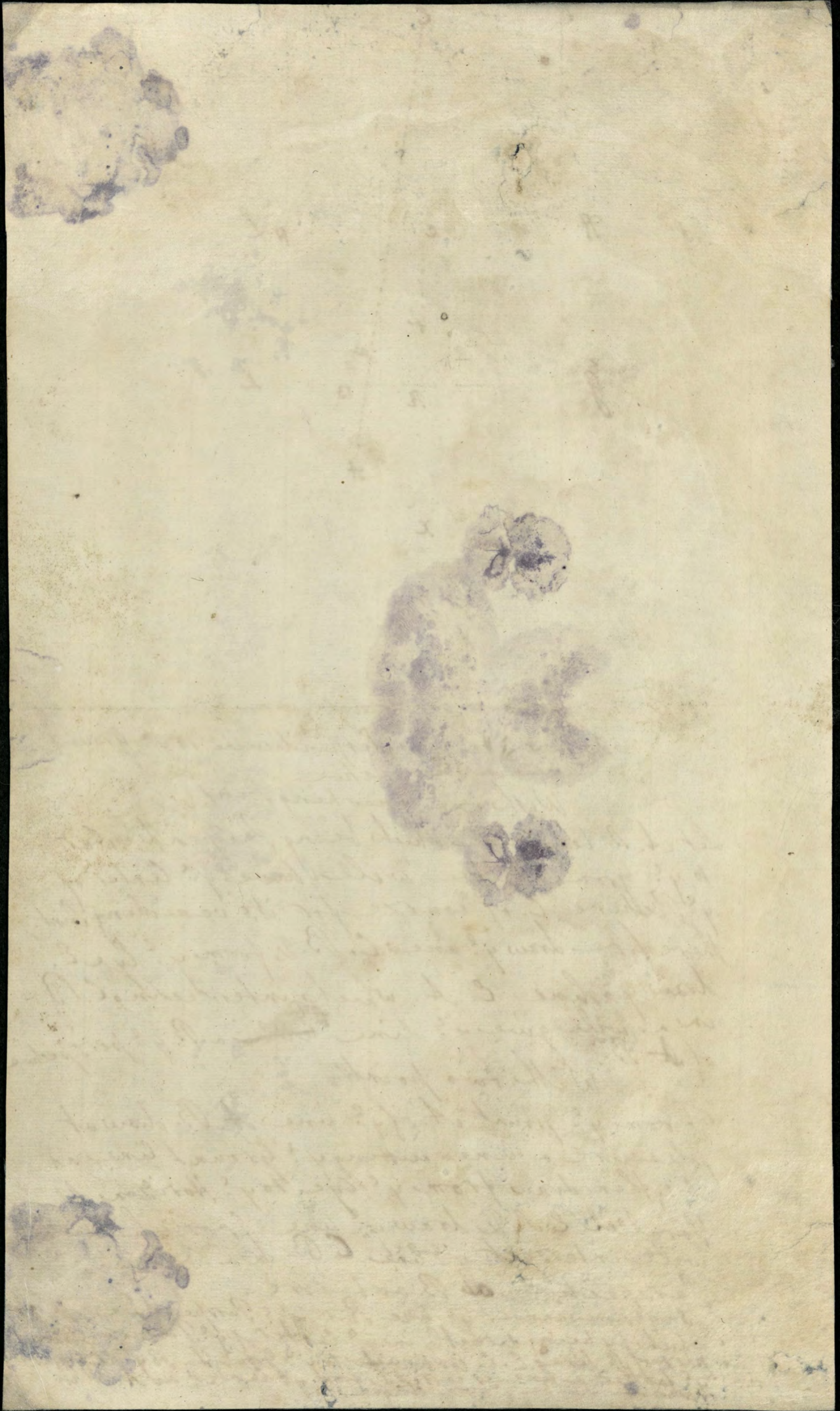


To put a line Perpendicular to y^e Ground
 line in Perspective
 With one Vanishing Point

Let *A. B.* be y^e line which being perpendicular
 to y^e ground line will have y^e center of
 y^e Picture *C.* of course for its vanishing Point.
 therefore draw y^e line *C. B.* & from y^e Eye *E.*
 draw y^e line *E. A.* which intersecting *C. B.*
 in *a.* will give y^e line ~~the~~ *a. B.* y^e perspective
 of *A. B.*
 With two points.

From y^e point *A.* of y^e line *A. B.* draw at
 pleasure a line cutting y^e ground line as
A. 1. then draw from y^e Eye to y^e Horizon its
 Parallel *E. 1.* & draw y^e line from *S.* to *1.* which
 will intersect y^e line *C. B.* in *a.* & give y^e
 Perspective *a. B.* as before.

In y^e same manner y^e line *B. r.* is y^e Perspective of *x. B.*
 which by being directly in y^e center of y^e Picture becomes
 part of y^e line *E. C.* continued to y^e ground. so y^e it appears
 y^e farther a line is carried from y^e center as *A. B.* its
 appearance will be y^e more oblique.



To put a line Parallel to y.^e Ground line
in perspective.

With one Vanishing Point.

Let A. B. be y.^e given line, from y.^e points
A. & B. draw at pleasure A. 1. B. 2. to y.^e Ground.
& from y.^e eye C. draw y.^e Parallel to them C. 1. till
it meet y.^e Horizon, then from 1. draw 1. 2. &
from y.^e eye C. draw C. 1. C. 2. & from y.^e points
of intersection a. b. draw y.^e lines a. b. which will be
y.^e Perspective appearance of A. B. & like it
Parallel to y.^e Ground.

With two Points.

After having drawn y.^e lines A. 1. B. 2. & their
Parallel C. 1. & c. as before; draw A. 3. B. 4.
at pleasure to y.^e Ground, & from y.^e Eye C. draw
y.^e Parallel C. 1. & from N. draw N. 3. N. 4. then 1.
will be cut by N. 3. in a. & 2. by N. 4. in b.
So y.^e line drawn from a. to b. is again y.^e representation
of A. B.

L.E.D.

[The page contains several lines of extremely faint, illegible handwriting, likely bleed-through from the reverse side of the document. The text is mirrored and difficult to decipher.]

No. 25. ~~proposition~~

Roof ~~is~~ one of whose vanishing points is V, its vanishing line V L, its Distance C E.

No. 26. For a Roof of an House whose vanishing lines V L, V L¹ are both above & below of Horizontal line. At a transposed place ^E of eye, is made of angle d of Roof which gives of vanishing point C, P, & C E, given the

No. 27. For a Buttress whose Ligas recede have of same Inclination, its of the set are parallel to of Eye's & therefore vanish into of same point C.

No. ~~28~~ The angle which of Buttress makes with of Horizontal Plane, must in other Examples be set from E, above of Horizontal line.

No. 28. - a Cube reposing on one Edge of it, equally inclined to of Ground & whose Ed. edge vanishes into C P. At of Eye E, make angles of 45° which gives of vanishing lines V L, V L¹ & C E, transposed gives I, V, for of Perspective Le,

No. 29. - an Object situated as of former, whose angles b, d, are 63 Degrees each, & whose sides a b e g, b e f e are Squares.

For of fine Regular Solids.

No. 30. A Cube perpendicularly on one corner. If a cube is so placed as to have ~~its~~ corner it rests on of upper corner in a line perpendicular to of Ground, then of angles of Inclination will be 54 Degrees above of Horizontal line, & 36 Deg. below it.

2, which angles being set from E_1 will give of
 Vanishing Points of A_1, P of a \square angular
 Plane (Example 2) L of A_1 , transferred to V, V will
 give of Vanishing Points of a, b, c, d (Example
 3). Then having drawn V, P, I, P they
 will be of Vanishing Lines of a, b, c, d two other
 L mn of e, f, g, h, i, k, l ; L because of perspective
 of a, b, c, d (Example 3) is determined by of point G_1 ,
 therefore of Vanishing Point H, I , of a, b, c, d L mn
 must be found; which in this case is in those Points where
 V, P, I, P cut of Horizontal Line. No 30 Example
 4 is of Cube completed, by means of of Points
 obtained in Example 1.

No 31. — A Cube when all its faces are equally
 inclined to of Ground. — Angles of 45 Deg.
 at E_1 , give of Vanishing Points A_1, P, K, E_1 , trans-
 ferred gives V, I ; A_2, E_2 is of Distance of of
 Vanishing Line I, P L, D is of Vanishing Point
 of of Diagonal e, b , as A_2 , is of c, e . — Example
 2. is of same Figure situated as of former, produces
 in more simple manner; thus draw of Horizontal
 Line L of perpendicular A_1, P , make A_2 at pleasure &
 C, P equal A_2, I ; so of same from A_2 of length A_2, C will
 give of Point V, I ; Draw V, P, I, P & from P describe of
 Arc A, D , which gives of Vanishing Point of of Diag.
 e, b . — Or it may be done by making a Parallel-
 -ogram V, I, M, N with of side L Diagonal of Square.

N^o 32. — The Tetrahedron, standing on one Face
 abc. The face abc vanishes into a Horizⁿ line;
 The Inclination of edge ac is 55 Deg; Lot of back
 face cbe, 75 Degrees, which being set from E₁
 will give of Vanishing Point V₁. From a
 draw ac which gives of middle of cb, from V₁ Va
 from E₁; E₁ de, which gives a perpendicular plane ad e
 that divides of Body into two equal parts; draw
 ee, ed which compleats of Perspective.

N^o 33 The Figure B is produced by draw Lines, ~~and~~
 parallel to A &c. In the 2^d Example. The
 whole Figure is produced to its Vanishing Point
 For having obtained V & T, as ~~before~~ above
 also of Point H, draw of Parallel V₁, V₂ From
 V of Lines VV₁, VV₂ through of Points H, I, &
 from ~~as~~ VV₁, VV₂, V₂V, of Vanishing Lines of of
 sides, & V, V₁, V₂ their Vanishing Points.

N^o 33. The Tetrahedron on one Corner, ~~Figure~~
~~Figure is of perspective~~
 as of ~~struck~~
 The same operation, only of Rules and
 inverted.

N^o 34. The same Figure ~~as above~~ ^{with}, every line of its
 under face ~~and~~ a c d oblique with of
 H, I. Find of Vanishing Point of of ~~and~~
 by N^o 16. of Horizⁿ Planes, & bisect of Angle
 H E I, w. will give M for a b; through M draw
 P₁ P₂ set off Distance E M to E₁, Make of angles
 of Inclination, which gives P₁, P₂ for of plane abc &c.

4

The Octahedron on one Face

N^o 35-

Inclinations of θ
The Planes are 70° & 55° $20'$; w^{th} being
set from E, g^{iv} of Vanishing Points B, M, the
upper Ladder Face abc, def (Examp. 2) vanish
into of Horizontal Line. VI, VM, I, M are of vanishing
Lines of of inclined Faces. & V, H, M, I, I, of Vanishing
Points. And for g^{iv} Point VI; having obtained M
from thence draw through H & I, which will
cut VI & thereby give those Points. or they
may be determined by of transferred Distances at
E, 2, & of angles 60° ; 60° (Examp. 1).

N^o 36. The Dodecahedron on one Face