



US00D772947S

(12) **United States Design Patent** (10) **Patent No.:** **US D772,947 S**
Emanuele (45) **Date of Patent:** **** Nov. 29, 2016**

(54) **VACUUM PUMP**

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(**) Term: **15 Years**

(21) Appl. No.: **35/500,144**

(22) Filed: **Sep. 15, 2015**

(80) **Hague Agreement Data**

Int. Filing Date: **Sep. 15, 2015**

Int. Reg. No.: **DM/087465**

Int. Reg. Date: **Sep. 15, 2015**

Int. Reg. Pub. Date: **Sep. 25, 2015**

(51) **LOC (10) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/7**

(58) **Field of Classification Search**

USPC D15/7-9; D23/231, 232, 225; 417/60,
417/235, 265, 321, 355, 358, 363, 359,
417/410.1, 415-416, 405, 900; 60/408,
60/412; 184/26-37; 415/140-147;
123/495, 509

See application file for complete search history.

(56) **References Cited**

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D723,064 S * 2/2015 Eisele D15/7

* cited by examiner

Primary Examiner — Richard E Chilcot

(57) **CLAIM**

The ornamental design for a vacuum pump, as shown and described.

DESCRIPTION

The file of this patent contains at least one drawing/photograph executed in color. Copies of this patent with color drawing(s)/photograph(s) will be provided by the Office upon request and payment of the necessary fee.

1. Vacuum pump

1.1 is a view of a side of the vacuum pump;

1.2 is a view of a the front side of the vacuum pump;

1.3 is a view of the other side of the vacuum pump;

1.4 is a view of a rear side of the vacuum pump;

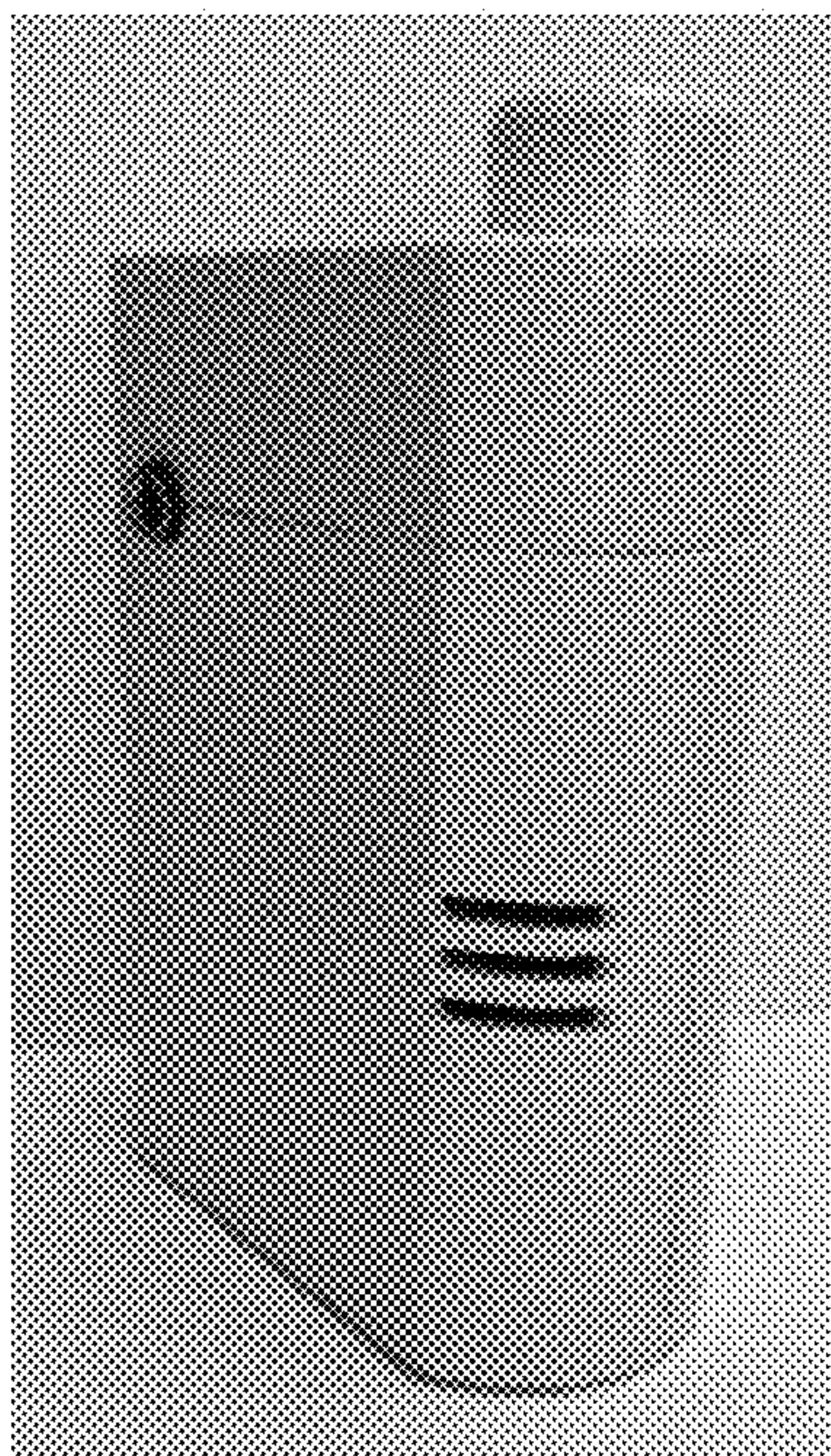
1.5 is a view of a top side of the vacuum pump;

1.6 is a view of a bottom side of the vacuum pump;

1.7 is a first perspective view of the vacuum pump.

1 Claim, 7 Drawing Sheets

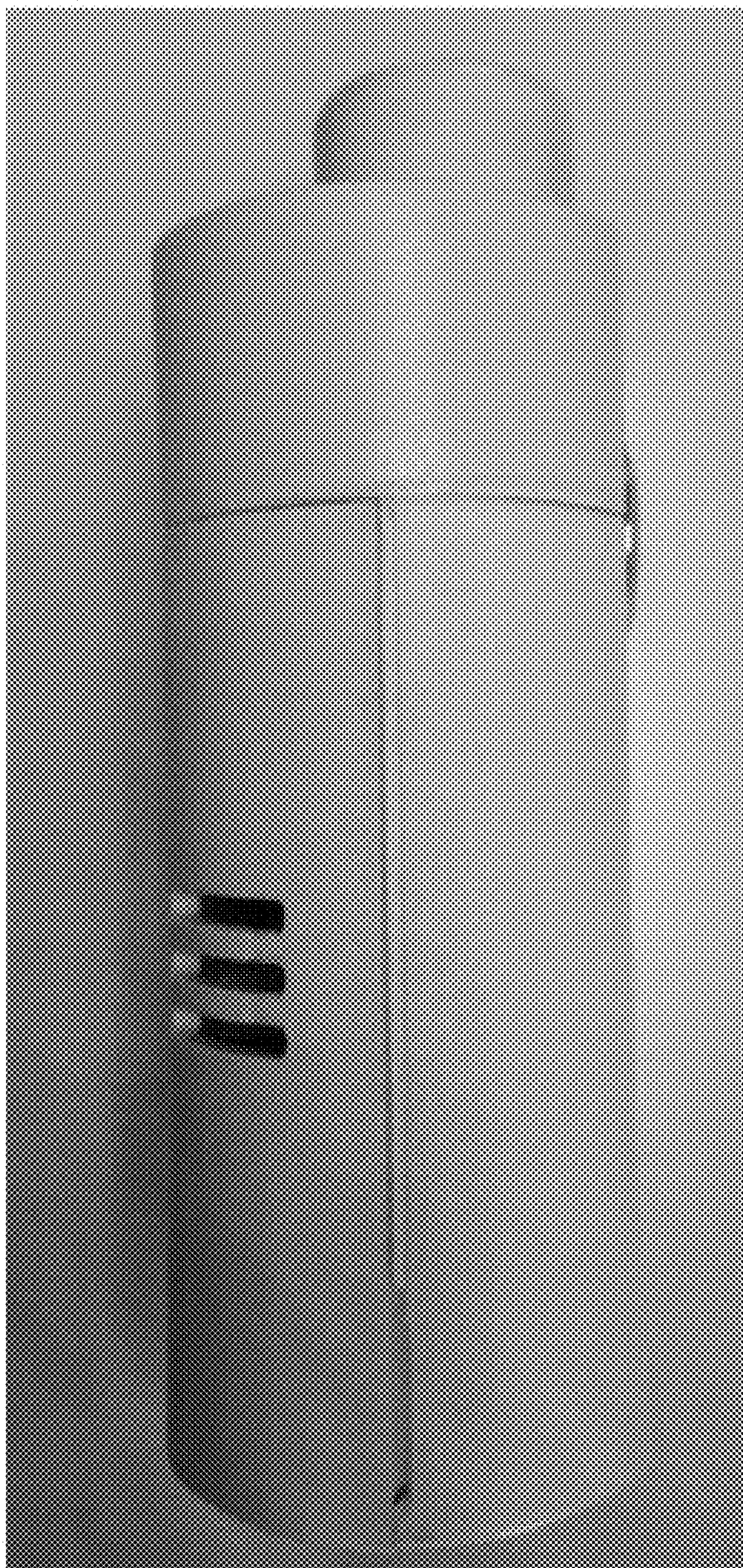
(7 of 7 Drawing Sheet(s) Filed in Color)



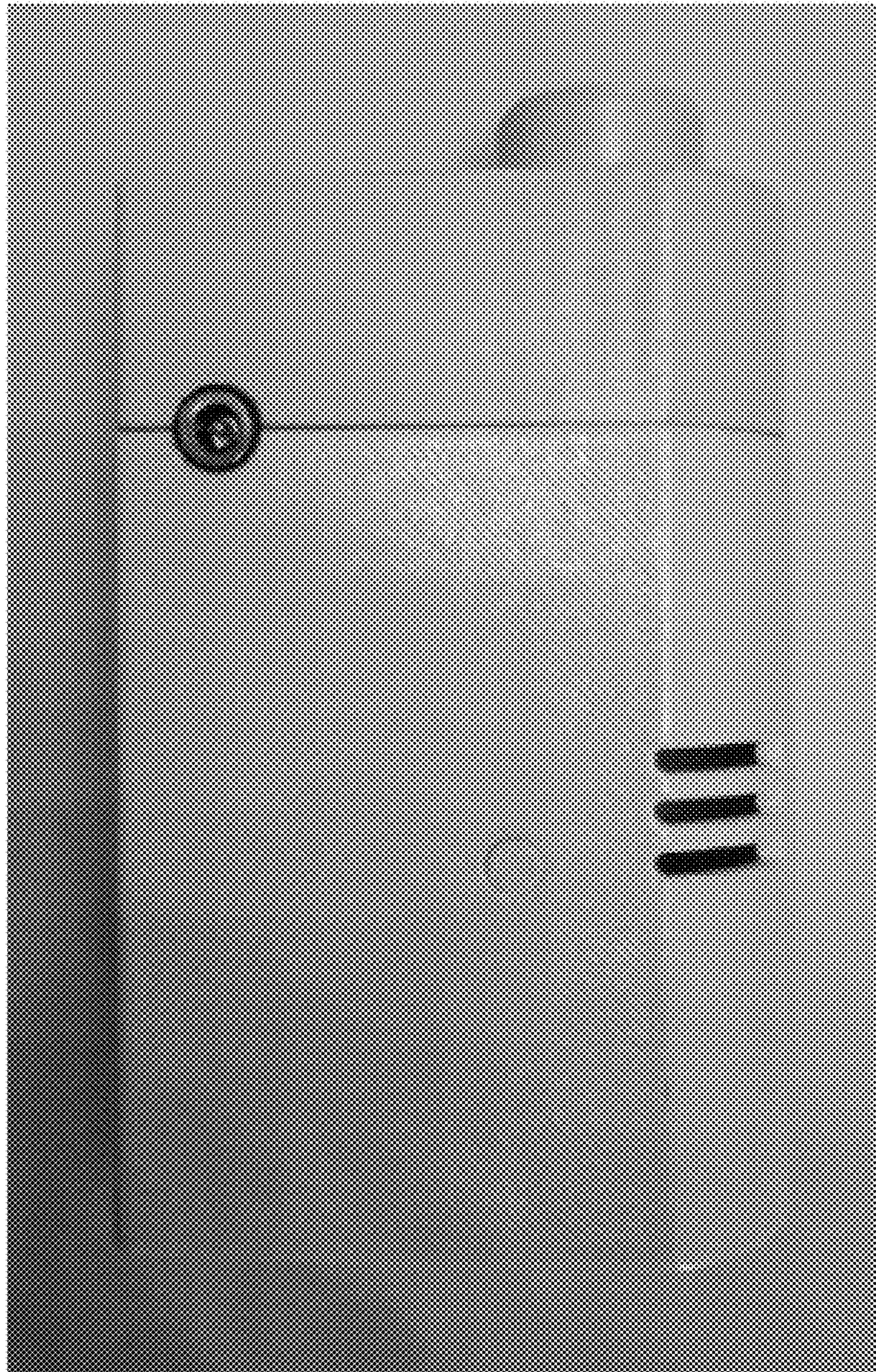
1.1



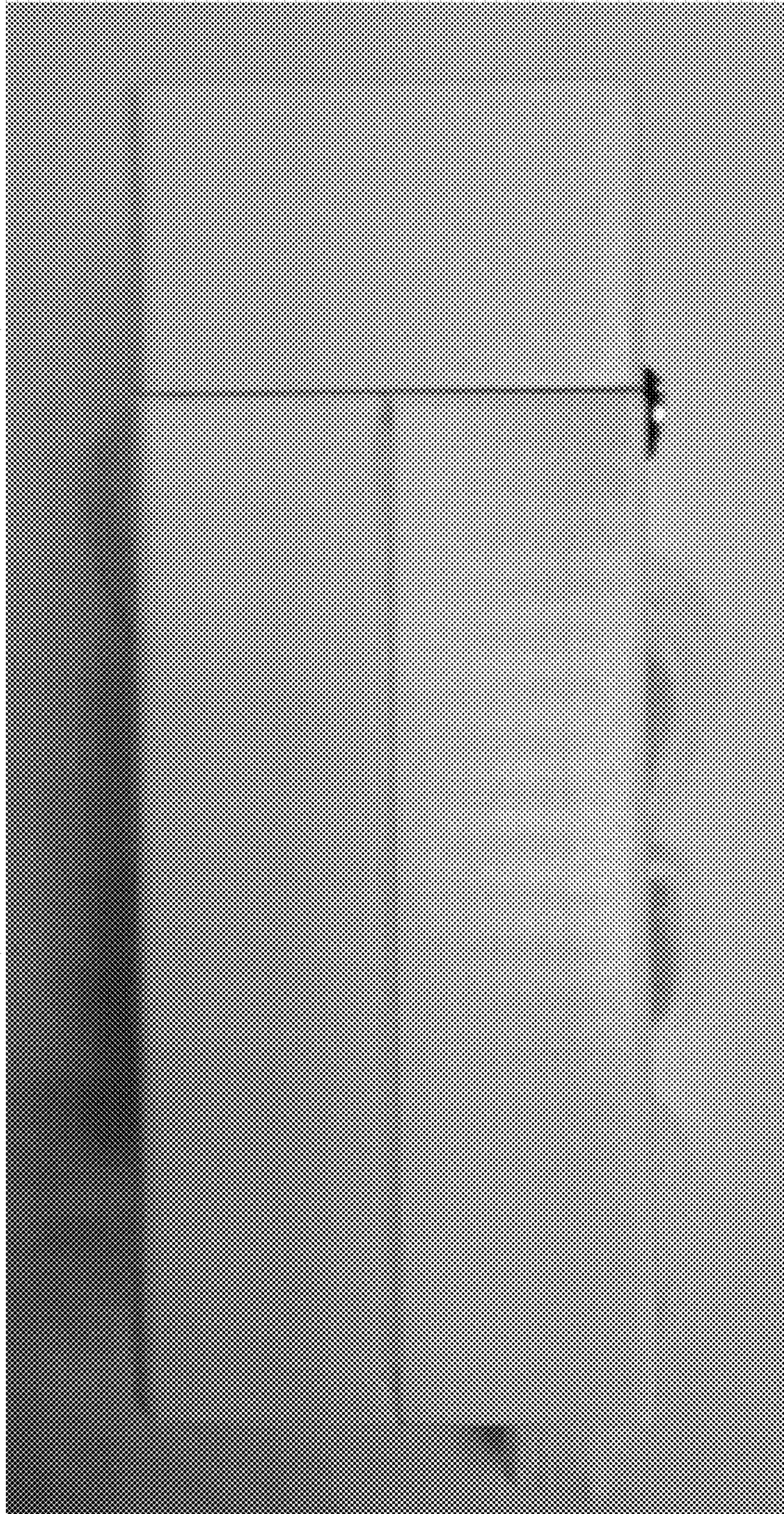
1.2



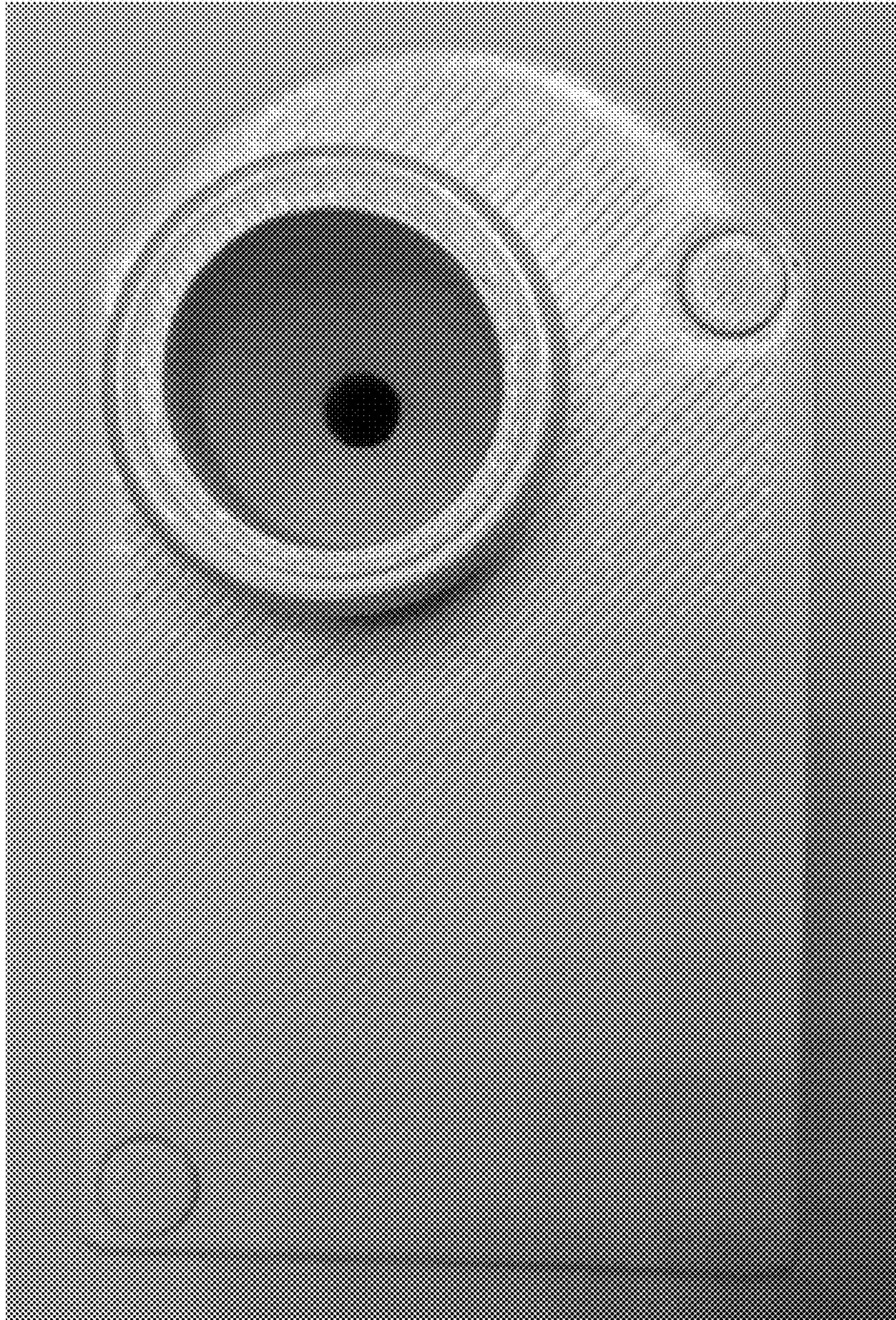
1.3



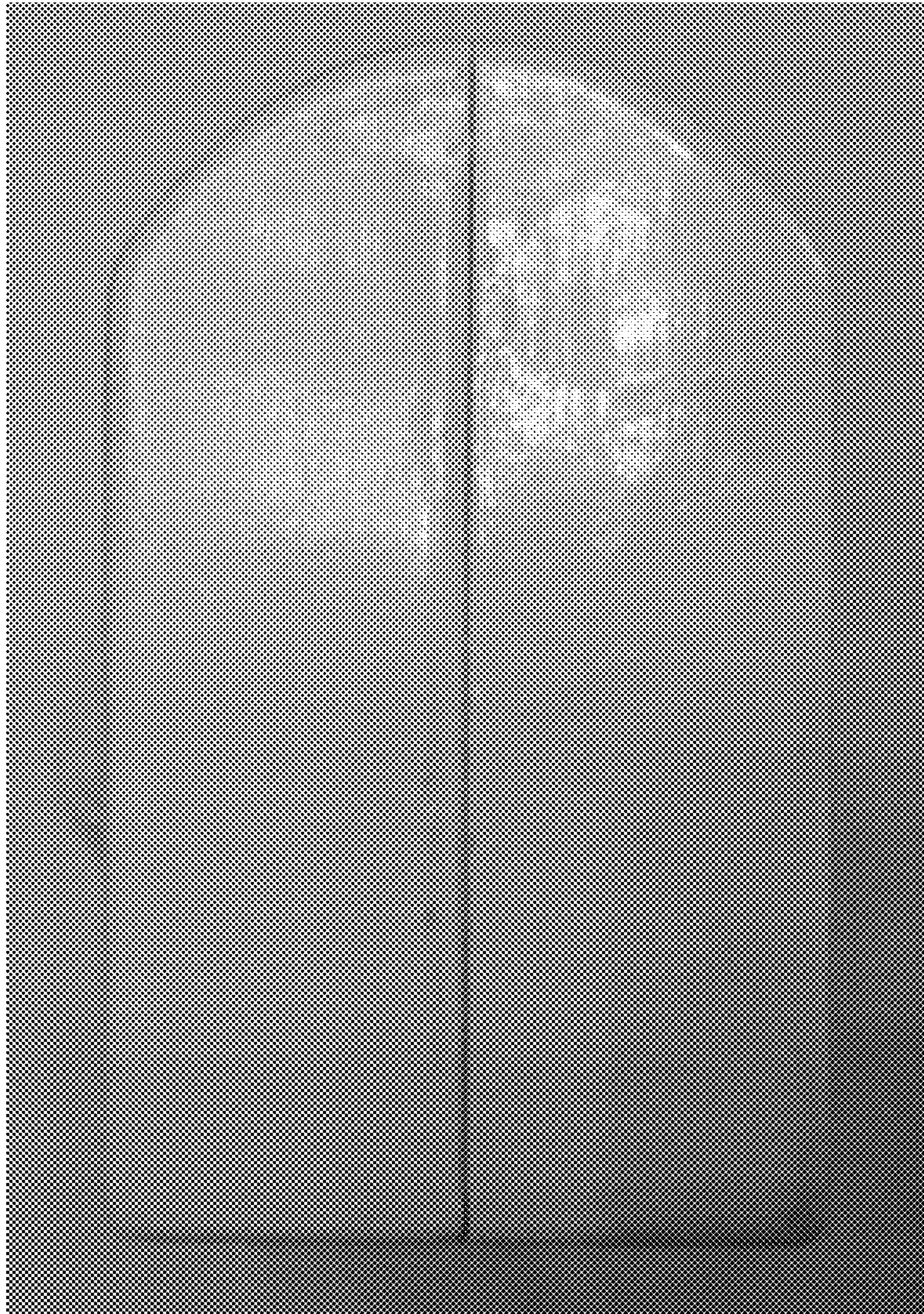
1.4



1.5



1.6



1.7

