



US00D966407S

(12) **United States Design Patent** (10) **Patent No.:** **US D966,407 S**  
**Enoki et al.** (45) **Date of Patent:** **\*\* Oct. 11, 2022**

(54) **UTERUS SIMULATOR APPARATUS FOR MEDICAL TRAINING**

(71) Applicant: **Women's Health Japan Co., Ltd.**, Tokyo (JP)

(72) Inventors: **Fumiko Enoki**, Tokyo (JP); **Hisako Inoue**, Tokyo (JP); **Hikomichi Shukutani**, Tokyo (JP); **Yoshiyuki Kawashima**, Tokyo (JP)

(73) Assignee: **Women's Health Japan Co., Ltd.**, Tokyo (JP)

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

(21) Appl. No.: **35/511,941**

(22) Filed: **Nov. 23, 2020**

(80) **Hague Agreement Data**

Int. Filing Date: **Nov. 23, 2020**

Int. Reg. No.: **DM/212703**

Int. Reg. Date: **Nov. 23, 2020**

Int. Reg. Pub. Date: **May 28, 2021**

(51) **LOC (13) Cl.** ..... **19-07**

(52) **U.S. Cl.**

USPC ..... **D19/62**

(58) **Field of Classification Search**

USPC ..... D19/59-64, 97; D21/623, 625, 649

CPC .... A61K 38/00; A61K 45/06; A61K 2300/00;

A61K 2039/505; A61K 48/00; A61K

9/0019; A61K 31/5377; A61K 39/0011;

A61K 39/3955; A61K 31/519; A61K

39/00; A61K 39/39558; A61K 35/17;

A61K 2039/5158; A61K 31/00; A61K

31/506; A61K 31/496; A61K 31/337;

A61K 38/1709; A61K 35/12; A61K

31/565; A61K 31/4439; A61K 31/7088;

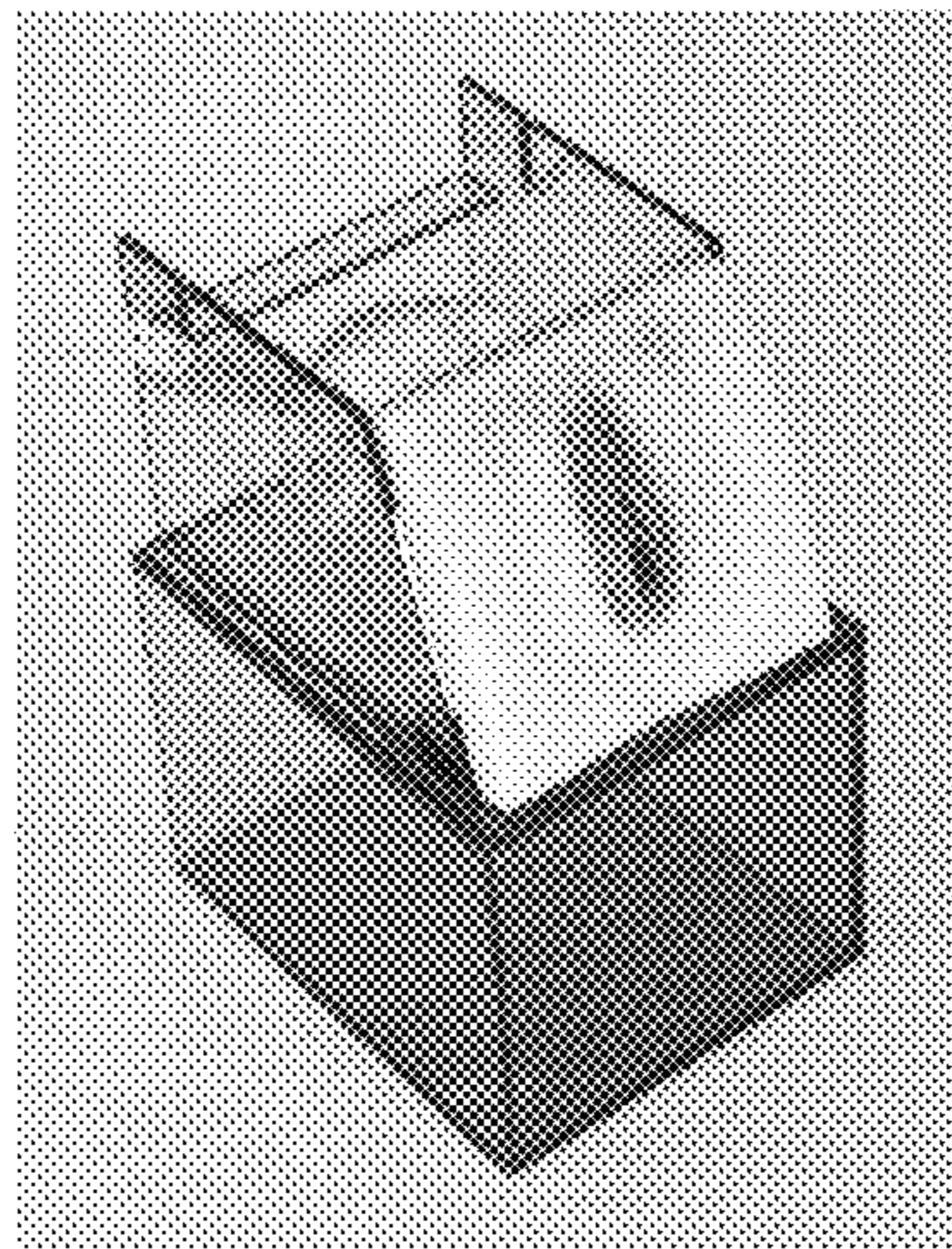
A61K 31/57; A61K 9/0053; A61K

47/6851; A61K 31/713; A61K 9/0034;

A61K 31/454; A61K 39/39; A61K

31/437; A61K 47/6849; A61K 31/4745;

A61K 9/0014; A61K 38/08; A61K 2039/572; A61K 31/704; A61K 2039/545; A61K 31/40; A61K 47/6803; A61K 39/395; A61K 31/55; A61K 2039/507; A61K 31/675; A61K 39/12; A61K 31/517; A61K 2039/5156; A61K 35/28; A61K 33/243; A61K 47/10; A61K 31/44; A61K 31/7068; A61K 2039/53; A61K 31/7048; A61K 31/513; A61K 2039/54; A61K 31/4545; A61K 31/573; A61K 31/445; A61K 2039/585; A61K 31/352; A61K 2039/5154; A61K 9/08; A61K 9/0024; A61K 31/56; A61K 47/60; A61K 31/4184; A61K 9/06; A61K 31/4709; A61K 31/167; A61K 31/404; A61K 31/7105; A61K 31/444; A61K 33/24; A61K 31/192; A61K 31/505; A61K 31/137; A61K 2035/124; A61K 47/26; A61K 2039/57; A61K 39/001102; A61K 31/198; A61K 9/127; A61K 31/47; A61K 47/64; A61K 31/138; A61K 48/005; A61K 38/17; A61K 31/426; A61K 9/0036; A61K 38/193; A61K 31/551; A61K 31/70; A61K 31/7076; A61K 38/10; A61K 31/555; A61K 31/195; A61K 31/381; A61K 31/497; A61K 31/165; A61K 31/415; A61K 31/4025; A61K 47/12; A61K 47/14; A61K 31/495; A61K 9/19; A61K 31/353; A61K 31/436; A61K 31/4985; A61K 9/4858; A61K 38/1774; A61K 49/0008; A61K 35/50; A61K 2039/55516; A61K 31/405; A61K 47/34; A61K 31/135; A61K 36/185; A61K 47/6855; A61K 38/20; A61K 31/19; A61K 31/567; A61K 51/1045; A61K 2039/55561; A61K 33/00; A61K 9/2054; A61K 31/4725; A61K 31/4375; A61K 9/4866; A61K 31/122; A61K 31/4196; A61K 31/05; A61K 47/02; A61K 31/58; A61K 9/0043; A61K 31/427; A61K 38/06; A61K 38/21; A61K 47/36; A61K 9/14; A61K 31/52; A61K 31/541; A61K 31/475; A61K 38/177; A61K 38/212; A61K 9/0048; A61K



# US D966,407 S

Page 2

31/282; A61K 38/45; A61K 31/501;  
A61K 47/38; A61K 47/42; A61K 9/1075;  
A61K 31/185; A61K 47/6859; A61K  
51/088; A61K 47/32; A61K 51/1027;  
A61K 35/74; A61K 38/16; A61K 31/416;  
A61K 38/18; A61K 49/0002; A61K  
9/2018; A61K 2039/55533; A61K  
2039/55511; A61K 31/522; A61K  
47/6869; A61K 9/1647; A61K 31/18;  
A61K 39/0005; A61K 31/4035; A61K  
38/164; A61K 31/407; A61K 2039/5256;  
A61K 2039/552; A61K 39/39541; A61K  
47/6889; A61K 31/196; A61K 31/5025;  
A61K 31/575; A61K 31/155; A61K  
31/4164; A61K 31/4178; A61K 31/4535;  
A61K 38/24; A61K 2039/70; A61K  
31/7072; A61K 9/006; A61K 31/53;  
A61K 47/22; A61K 31/365; A61K  
35/545; A61K 33/06; A61K 31/715;  
A61K 47/44; A61K 47/62; A61K  
31/4045; A61K 38/19; A61K 38/2013;  
A61K 31/277; A61K 31/69; A61K 38/47;  
A61K 2039/55566; A61K 38/465; A61K  
31/5513; A61K 9/5153; A61K 9/1635;  
A61K 38/05; A61K 35/30; A61K  
47/6811; A61K 31/166; A61K 38/191;  
A61K 47/6863; A61K 47/6853; A61K  
31/566; A61K 35/34; A61K 38/39; A61K  
47/6857; A61K 2039/55; A61K 51/1093;  
A61K 41/0038; A61K 9/0039; A61K  
9/1641; A61K 2035/122; A61K 31/502;  
A61K 38/12; A61K 9/7007; A61K 36/48;  
A61K 47/6901; A61K 47/65; A61K  
47/55; A61K 38/38; A61K 31/425; A61K  
31/498; A61K 47/61; A61K 47/6809;  
A61K 31/357; A61K 31/661; A61K 9/02;  
A61K 38/13; A61K 45/05; A61K 9/0031;  
A61K 9/0095; A61K 31/439; A61K  
31/485; A61K 31/197; A61K 38/1866;  
A61K 41/00; A61K 49/0058; A61K  
2039/55538; A61K 31/568; A61K 47/549;  
A61K 2123/00; A61K 31/343; A61K  
48/0075; A61K 47/6817; A61K 9/1272;  
A61K 31/16; A61K 31/35; A61K  
31/4155; A61K 9/10; A61K 31/397;  
A61K 38/22; A61K 39/001114; A61K  
48/0066; A61K 49/0032; A61K 31/12;  
A61K 31/4245; A61K 31/553; A61K  
47/6843; A61K 9/2059; A61K 9/1271;  
A61K 35/747; A61K 39/0008; A61K  
31/5685; A61K 38/1816; A61K 47/646;  
A61K 38/07; A61K 39/001152; A61K  
31/136; A61K 31/42; A61K 47/54; A61K  
9/0056; A61K 31/341; A61K 31/403;  
A61K 38/1841; A61K 9/1652; A61K  
9/2027; A61K 2039/575; A61K 35/39;  
A61K 38/095; A61K 39/145; A61K  
45/00; A61K 48/0058; A61K 31/41;  
A61K 31/538; A61K 31/5383; A61K  
31/635; A61K 9/2013; A61K 31/366;  
A61K 35/768; A61K 38/1825; A61K  
9/0004; A61K 9/20; A61K 9/5146; A61K  
9/5031; A61K 31/59; A61K 9/48; A61K  
31/17; A61K 39/00117; A61K 49/0004;  
A61K 2121/00; A61K 31/335; A61K  
31/4965; A61K 38/04; A61K 39/001118;  
A61K 31/525; A61K 49/0021; A61K  
9/007; A61K 47/645; A61K 31/66; A61K  
38/1793; A61K 38/217; A61K 31/20;  
A61K 31/395; A61K 31/422; A61K  
31/4412; A61K 35/54; A61K 2039/55505;  
A61K 31/202; A61K 31/4192; A61K  
33/30; A61K 38/28; A61K 47/6929;  
A61K 9/0085; A61K 31/355; A61K  
31/5375; A61K 31/5415; A61K 38/4846;  
A61K 9/0021; A61K 2039/515; A61K  
31/7004; A61K 47/545; A61K  
2039/55522; A61K 31/22; A61K 31/351;  
A61K 31/428; A61K 31/435; A61K  
35/14; A61K 2039/55555; A61K 31/375;  
A61K 38/53; A61K 47/20; A61K  
2039/5152; A61K 35/15; A61K 31/216;  
A61K 31/473; A61K 31/728; A61K  
9/107; A61K 31/472; A61K 35/16; A61K  
38/179; A61K 47/18; A61K 31/085;  
A61K 35/76; A61K 38/2066; A61K  
38/4833; A61K 47/542; A61K 47/6897;  
A61K 47/6911; A61K 47/6861; A61K  
31/706; A61K 31/10; A61K 39/001154;  
A61K 47/6923; A61K 49/0056; A61K  
51/08; A61K 47/543; A61K 9/2095;  
A61K 31/21; A61K 47/643; A61K 49/16;  
A61K 9/2866; A61K 31/4406; A61K  
31/5575; A61K 36/28; A61K 38/208;  
A61K 31/045; A61K 31/557; A61K  
35/51; A61K 39/39591; A61K 2039/521;  
A61K 31/13; A61K 38/57; A61K  
47/6867; A61K 51/0497; A61K 51/1057;  
A61K 31/401; A61K 39/001; A61K  
31/515; A61K 31/655; A61K 39/39533;  
A61K 2039/542; A61K 31/4188; A61K  
31/453; A61K 38/4886; A61K 49/0041;  
A61K 9/12; A61K 9/1611; A61K  
31/7034; A61K 38/1858; A61K 47/24;  
A61K 2039/5254; A61K 31/685; A61K  
31/7064; A61K 2039/523; A61K 31/047;  
A61K 9/1617; A61K 39/085; A61K  
31/443; A61K 49/00; A61K 2039/55527;  
A61K 31/203; A61K 31/215; A61K  
31/38; A61K 31/4174; A61K 33/26;  
A61K 39/001106; A61K 39/21; A61K  
41/0004; A61K 47/68; A61K 47/6829;  
A61K 9/0092; A61K 31/569; A61K  
49/0043; A61K 51/1244; A61K 9/145;  
A61K 9/2009; A61K 31/455; A61K  
31/585; A61K 33/04; A61K 35/744;  
A61K 35/745; A61K 39/385; A61K  
49/0052; A61K 9/0009; A61K 31/336;  
A61K 31/711; A61K 39/001129; A61K  
41/0061; A61K 31/07; A61K 35/742;  
A61K 41/0052; A61K 2039/55572; A61K  
31/194; A61K 35/13; A61K 39/001193;  
A61K 47/6879; A61K 49/085; A61K  
2039/80; A61K 31/433; A61K 38/2026;  
A61K 38/215; A61K 41/0057; A61K  
51/1051; A61K 2039/6056; A61K  
31/4427; A61K 51/0491; A61K 51/1072;  
A61K 9/1623; A61K 9/167; A61K  
31/535; A61K 31/7028; A61K 33/40;  
A61K 47/6835; A61K 48/0041; A61K

# US D966,407 S

Page 3

2039/5252; A61K 2039/543; A61K 2039/58; A61K 31/4433; A61K 31/451; A61K 35/44; A61K 38/44; A61K 47/6871; A61K 31/27; A61K 31/4453; A61K 36/53; A61K 38/2086; A61K 47/59; A61K 9/122; A61K 31/28; A61K 31/423; A61K 39/04; A61K 47/6813; A61K 51/04; A61K 31/593; A61K 41/0071; A61K 48/0033; A61K 9/0073; A61K 9/2031; A61K 31/5355; A61K 31/54; A61K 38/1808; A61K 47/6415; A61K 9/1664; A61K 36/65; A61K 9/513; A61K 31/4015; A61K 31/702; A61K 31/737; A61K 38/363; A61K 39/001186; A61K 8/64; A61K 9/4808; A61K 31/48; A61K 33/14; A61K 39/001182; A61K 47/6807; A61K 2039/51; A61K 31/4525; A61K 31/536; A61K 35/32; A61K 36/82; A61K 38/195; A61K 9/1688; A61K 2039/522; A61K 31/34; A61K 31/65; A61K 35/22; A61K 38/1891; A61K 47/40; A61K 51/1018; A61K 31/7115; A61K 35/35; A61K 47/6951; A61K 9/0051; A61K 9/1658; A61K 9/5123; A61K 2039/541; A61K 33/34; A61K 9/16; A61K 31/50; A61K 31/7056; A61K 35/407; A61K 35/741; A61K 47/183; A61K 49/0093; A61K 2039/804; A61K 31/015; A61K 31/4523; A61K 38/162; A61K 41/0028; A61K 47/544; A61K 47/6841; A61K 49/14; A61K 51/1096; A61K 35/52; A61K 47/6845; A61K 49/223; A61K 2039/627; A61K 31/527; A61K 35/33; A61K 51/1048; A61K 31/429; A61K 31/727; A61K 31/785; A61K 38/168; A61K 9/146; A61K 9/1676; A61K 2039/605; A61K 2039/812; A61K 31/616; A61K 38/1875; A61K 51/0482; A61K 9/70; A61K 31/4162; A61K 31/4418; A61K 31/7052; A61K 38/185; A61K 31/4409; A61K 31/708; A61K 35/48; A61K 36/708; A61K 39/0258; A61K 39/0275; A61K 47/06; A61K 49/0017; A61K 51/1063; A61K 31/255; A61K 39/155; A61K 47/58; A61K 47/6801; A61K 47/6815; A61K 9/5161; A61K 9/5169; A61K 2039/525; A61K 31/4436; A61K 31/662; A61K 39/001112; A61K 47/46; A61K 47/554; A61K 49/10; A61K 51/0459; A61K 31/402; A61K 31/695; A61K 35/26; A61K 35/761; A61K 38/204; A61K 47/6455; A61K 2035/126; A61K 31/164; A61K 31/421; A61K 35/36; A61K 36/00; A61K 39/001184; A61K 9/2004; A61K 2039/55544; A61K 38/005; A61K 39/001153; A61K 39/001162; A61K 31/46; A61K 36/481; A61K 36/73; A61K 38/02; A61K 9/143; A61K 31/09; A61K 31/43; A61K 38/2221; A61K 39/245; A61K 49/04; A61K 9/4825; A61K 31/145; A61K 31/201; A61K 31/4402; A61K 39/092; A61K 31/075; A61K 31/537; A61K 36/22; A61K 47/6898; A61K 47/6935; A61K 49/06; A61K

9/5026; A61K 31/60; A61K 31/663; A61K 31/7016; A61K 31/7125; A61K 31/739; A61K 47/50; A61K 47/6883; A61K 47/6937; A61K 48/0008; A61K 51/00; A61K 31/225; A61K 31/7084; A61K 39/001188; A61K 31/14; A61K 31/438; A61K 31/722; A61K 33/242; A61K 35/38; A61K 39/001195; A61K 39/02; A61K 51/0455; A61K 51/082; A61K 51/109; A61K 9/5036; A61K 2039/892; A61K 31/205; A61K 31/765; A61K 39/0006; A61K 49/0084; A61K 8/37; A61K 9/28; A61K 2800/10; A61K 31/15; A61K 31/275; A61K 31/4365; A61K 38/26; A61K 38/27; A61K 39/015; A61K 39/118; A61K 47/6865; A61K 47/6903; A61K 8/9789; A61K 9/0078; A61K 9/2077; A61K 9/7023; A61K 2039/6081; A61K 31/4415; A61K 31/4704; A61K 31/4741; A61K 31/64; A61K 31/7008; A61K 31/714; A61K 35/00; A61K 38/1703; A61K 39/001148; A61K 39/35; A61K 47/593; A61K 2035/115; A61K 2039/55583; A61K 31/245; A61K 31/4172; A61K 38/1767; A61K 38/4893; A61K 31/01; A61K 31/37; A61K 31/4706; A61K 36/064; A61K 36/9066; A61K 38/15; A61K 39/01103; A61K 47/6907; A61K 9/5089; A61K 9/5115; A61K 9/5192; A61K 2039/5258; A61K 2039/55577; A61K 31/095; A61K 31/24; A61K 31/36; A61K 31/712; A61K 31/74; A61K 36/81; A61K 38/31; A61K 39/001159; A61K 49/227; A61K 9/2072; A61K 31/222; A61K 31/4422; A61K 31/465; A61K 31/554; A61K 35/763; A61K 36/71; A61K 38/49; A61K 39/001166; A61K 47/551; A61K 47/555; A61K 51/0478; A61K 9/209; A61K 2039/6037; A61K 2039/6075; A61K 31/11; A61K 31/23; A61K 31/683; A61K 38/2264; A61K 38/50; A61K 51/10; A61K 9/1694; A61K 9/5138; A61K 2039/876; A61K 31/221; A61K 31/5386; A61K 36/355; A61K 36/484; A61K 36/64; A61K 36/815; A61K 38/36; A61K 38/46; A61K 39/08; A61K 47/557; A61K 49/1818; A61K 8/4973; A61K 2039/544; A61K 2039/55588; A61K 31/175; A61K 31/235; A61K 31/33; A61K 31/385; A61K 31/4168; A61K 31/4355; A61K 31/7036; A61K 31/734; A61K 36/804; A61K 39/001151; A61K 39/001168; A61K 39/001171; A61K 39/001191; A61K 39/001194; A61K 47/28; A61K 47/6425; A61K 2039/6031; A61K 31/295; A61K 35/18; A61K 38/14; A61K 38/29; A61K 38/33; A61K 39/0002; A61K 39/001104; A61K 39/001156; A61K 39/00119; A61K 47/6899; A61K 51/1255; A61K 31/417; A61K 31/51; A61K 31/664; A61K 36/899; A61K 38/1761; A61K 39/39566; A61K 47/547; A61K 47/665; A61K 47/6825; A61K 49/0054; A61K 51/0406;

# US D966,407 S

Page 4

A61K 8/046; A61K 9/1277; A61K 9/205;  
A61K 31/03; A61K 31/133; A61K  
31/4166; A61K 36/752; A61K 36/87;  
A61K 39/001164; A61K 39/42; A61K  
47/6949; A61K 49/0034; A61K 49/0433;  
A61K 9/00; A61K 36/54; A61K 51/1203;  
A61K 8/42; A61K 9/0046; A61K  
31/4995; A61K 31/5365; A61K 36/9068;  
A61K 38/43; A61K 47/642; A61K 47/66;  
A61K 47/6957; A61K 48/0083; A61K  
51/0453; A61K 8/63; A61K 9/5073;  
A61K 2039/64; A61K 31/26; A61K  
31/726; A61K 33/42; A61K 35/42; A61K  
39/001157; A61K 39/235; A61K 9/5047;  
A61K 35/644; A61K 36/85; A61K  
38/043; A61K 38/063; A61K 38/1883;  
A61K 38/55; A61K 39/00111; A61K  
51/1069; A61K 8/19; A61K 9/2846;  
A61K 9/485; A61K 9/7015; A61K  
31/223; A61K 31/4468; A61K 35/19;  
A61K 36/06; A61K 38/48; A61K  
39/001124; A61K 39/001192; A61K  
47/6913; A61K 51/106; A61K 2039/82;  
A61K 2039/86; A61K 31/04; A61K  
31/325; A61K 31/409; A61K 31/4353;  
A61K 33/244; A61K 39/001109; A61K  
47/6891; A61K 49/0036; A61K 9/4841;  
A61K 2039/577; A61K 31/382; A61K  
31/5517; A61K 31/717; A61K 31/724;  
A61K 36/77; A61K 38/30; A61K  
47/6925; A61K 47/6927; A61K 49/221;  
A61K 51/12; A61K 8/22; A61K 9/5068;  
A61K 31/45; A61K 31/6615; A61K  
33/32; A61K 36/23; A61K 36/45; A61K  
38/085; A61K 38/1796; A61K 38/2292;  
A61K 39/001174; A61K 49/0097; A61K  
9/4891; A61K 2039/55594; A61K 36/889;  
A61K 38/1833; A61K 38/446; A61K  
38/482; A61K 49/22; A61K 51/1054;  
A61K 9/0075; A61K 9/5084; A61K  
31/055; A61K 31/191; A61K 31/265;  
A61K 31/665; A61K 33/36; A61K  
36/296; A61K 38/196; A61K 38/42;  
A61K 38/4873; A61K 39/001113; A61K  
39/001117; A61K 39/295; A61K 47/6819;  
A61K 48/0025; A61K 49/103; A61K  
8/9794; A61K 9/50; A61K 2035/128;  
A61K 2039/625; A61K 31/78; A61K  
36/076; A61K 36/537; A61K 36/61;  
A61K 36/736; A61K 38/2053; A61K  
39/001149; A61K 39/00115; A61K  
39/0241; A61K 39/0266; A61K 39/05;  
A61K 39/44; A61K 47/556; A61K  
47/6823; A61K 47/6921; A61K 47/6939;  
A61K 48/0091; A61K 49/0438; A61K  
49/106; A61K 49/226; A61K 51/083;  
A61K 51/1075; A61K 8/31; A61K 8/44;  
A61K 9/1682; A61K 9/4816; A61K  
9/5015; A61K 31/5585; A61K 31/688;  
A61K 36/232; A61K 38/51; A61K  
39/102; A61K 47/16; A61K 47/548;  
A61K 51/1251; A61K 8/66; A61K  
9/0007; A61K 9/0026; A61K 9/0063;  
A61K 2035/11; A61K 31/4747; A61K  
36/47; A61K 36/488; A61K 36/55; A61K  
38/25; A61K 38/395; A61K 38/52; A61K  
38/556; A61K 39/292; A61K 51/0402;  
A61K 8/0208; A61K 2039/6006; A61K  
2039/884; A61K 31/4743; A61K 31/7032;  
A61K 38/2006; A61K 38/385; A61K  
39/001134; A61K 39/0208; A61K  
39/39583; A61K 47/51; A61K 47/6915;  
A61K 49/0452; A61K 51/02; A61K  
9/0029; A61K 9/2086; A61K 2039/6093;  
A61K 2236/333; A61K 31/121; A61K  
31/232; A61K 31/4152; A61K 31/529;  
A61K 31/7135; A61K 31/732; A61K  
31/77; A61K 33/16; A61K 33/20; A61K  
35/20; A61K 36/258; A61K 36/31; A61K  
36/539; A61K 47/595; A61K 47/6831;  
A61K 49/0047; A61K 49/20; A61K  
49/222; A61K 51/0495; A61K 51/065;  
A61K 8/347; A61K 8/498; A61K 8/731;  
A61K 8/86; A61K 9/501; A61K  
2039/828; A61K 2236/00; A61K 2236/33;  
A61K 2800/91; A61K 31/02; A61K  
31/131; A61K 31/231; A61K 31/4515;  
A61K 31/721; A61K 36/284; A61K  
36/35; A61K 36/638; A61K 36/67; A61K  
36/8945; A61K 39/40; A61K 47/186;  
A61K 47/644; A61K 49/0019; A61K  
49/225; A61K 8/60; A61K 9/204; A61K  
9/5078; A61K 9/5094; A61K 9/7084;  
A61K 2039/622; A61K 31/132; A61K  
31/396; A61K 31/542; A61K 33/08;  
A61K 33/10; A61K 36/63; A61K 36/88;  
A61K 36/886; A61K 38/2046; A61K  
38/40; A61K 39/105; A61K 47/6877;  
A61K 51/1213; A61K 8/8111; A61K  
9/0002; A61K 9/1629; A61K 9/5052;  
A61K 2039/52; A61K 2800/92; A61K  
31/7024; A61K 33/38; A61K 36/03;  
A61K 36/16; A61K 36/236; A61K 38/03;  
A61K 38/2093; A61K 38/4826; A61K  
39/00118; A61K 41/008; A61K 47/541;  
A61K 47/6893; A61K 49/0485; A61K  
49/08; A61K 49/126; A61K 49/1812;  
A61K 8/02; A61K 8/345; A61K 8/97;  
A61K 8/99; A61K 2039/844; A61K  
2236/39; A61K 31/549; A61K 31/63;  
A61K 33/18; A61K 36/8962; A61K  
38/202; A61K 38/54; A61K 39/0291;  
A61K 47/08; A61K 47/6821; A61K  
49/006; A61K 49/0423; A61K 49/1866;  
A61K 51/087; A61K 51/1021; A61K  
51/103; A61K 8/34; A61K 9/2063; A61K  
9/7061; A61K 2039/645; A61K 2039/852;  
A61K 2236/51; A61K 2800/262; A61K  
31/06; A61K 31/424; A61K 31/7012;  
A61K 31/716; A61K 35/04; A61K 36/21;  
A61K 36/38; A61K 36/746; A61K  
38/018; A61K 38/4813; A61K 39/001163;  
A61K 39/07; A61K 39/095; A61K  
41/0033; A61K 41/0047; A61K 41/0095;  
A61K 47/6887; A61K 47/6933; A61K  
49/0065; A61K 51/0474; A61K 51/06;  
A61K 51/1282; A61K 8/14; A61K 8/922;  
A61K 9/5107; A61K 2039/6012; A61K  
2236/15; A61K 2236/53; A61K 31/4465;  
A61K 31/79; A61K 36/40; A61K 36/534;

A61K 36/8965; A61K 38/2242; A61K 39/025; A61K 39/29; A61K 47/6839; A61K 47/6931; A61K 49/18; A61K 51/1039; A61K 51/1268; A61K 8/26; A61K 8/361; A61K 8/375; A61K 8/49; A61K 8/981; A61K 9/025; A61K 9/2813; A61K 31/738; A61K 36/07; A61K 36/15; A61K 36/36; A61K 36/896; A61K 36/8994; A61K 38/35; A61K 39/0003; A61K 39/001128; A61K 39/00114; A61K 39/001189; A61K 39/001197; A61K 39/0225; A61K 47/56; A61K 47/67; A61K 49/0028; A61K 49/0082; A61K 49/1824; A61K 49/1827; A61K 49/1863; A61K 51/0493; A61K 51/1078; A61K 8/8141; A61K 9/0065; A61K 2039/60; A61K 2039/62; A61K 31/503; A61K 31/592; A61K 31/67; A61K 33/22; A61K 36/24; A61K 36/30; A61K 36/43; A61K 36/62; A61K 36/725; A61K 38/046; A61K 39/001176; A61K 39/23; A61K 41/10; A61K 48/0016; A61K 49/0466; A61K 49/128; A61K 51/1036; A61K 8/362; A61K 8/982; A61K 8/983; A61K 9/0017; A61K 9/1273; A61K 9/703; A61K 2039/868; A61K 2800/412; A61K 2800/782; A61K 31/08; A61K 31/32; A61K 31/431; A61K 31/787; A61K 36/738; A61K 36/75; A61K 36/898; A61K 38/2073; A61K 39/001172; A61K 39/001173; A61K 39/002; A61K 39/215; A61K 41/0042; A61K 47/6827; A61K 47/6847; A61K 47/6941; A61K 49/005; A61K 49/0091; A61K 8/24; A61K 8/606; A61K 8/73; A61K 8/8152; A61K 9/284; A61K 9/2886; A61K 2800/75; A61K 31/285; A61K 31/452; A61K 31/4748; A61K 31/606; A61K 35/55; A61K 36/324; A61K 36/344; A61K 36/489; A61K 36/79; A61K 36/8964; A61K 38/484; A61K 39/001119; A61K 39/098; A61K 47/6435; A61K 47/6445; A61K 47/6873; A61K 47/6875; A61K 47/6885; A61K 51/025; A61K 51/1234; A61K 8/042; A61K 9/2853; A61K 9/5057; A61K 9/7053; A61K 2039/5555; A61K 2039/6018; A61K 2039/836; A61K 2236/331; A61K 2800/30; A61K 31/80; A61K 35/57; A61K 35/646; A61K 35/766; A61K 36/287; A61K 36/68; A61K 36/74; A61K 38/014; A61K 38/1777; A61K 39/0007; A61K 39/001122; A61K 39/001135; A61K 39/1045; A61K 47/30; A61K 47/641; A61K 49/0067; A61K 51/0408; A61K 51/0446; A61K 8/35; A61K 8/492; A61K 8/65; A61K 8/67; A61K 8/735; A61K 8/8158; A61K 9/008; A61K 9/4875; A61K 2039/555; A61K 2039/6087; A61K 2800/48; A61K 2800/522; A61K 2800/592; A61K 2800/5922; A61K 31/105; A61K 31/315; A61K 31/39; A61K 31/4458; A61K 31/499; A61K 31/546; A61K 31/718; A61K 35/02; A61K 35/413; A61K 35/618; A61K

36/074; A61K 36/27; A61K 36/282; A61K 36/286; A61K 36/42; A61K 36/536; A61K 36/884; A61K 38/1729; A61K 38/1735; A61K 38/1787; A61K 38/37; A61K 39/001139; A61K 39/001144; A61K 39/0216; A61K 49/003; A61K 49/0078; A61K 49/0428; A61K 49/143; A61K 49/1806; A61K 51/1033; A61K 51/1241; A61K 8/0241; A61K 8/41; A61K 8/4953; A61K 8/673; A61K 9/141; A61K 9/1605; A61K 9/2826; A61K 9/286; A61K 9/5184; A61K 2800/24; A61K 2800/242; A61K 2800/244; A61K 2800/413; A61K 2800/78; A61K 31/065; A61K 31/548; A61K 33/02; A61K 36/14; A61K 36/254; A61K 36/29; A61K 36/428; A61K 36/482; A61K 36/70; A61K 36/718; A61K 36/84; A61K 38/1783; A61K 38/2257; A61K 38/2278; A61K 38/23; A61K 38/443; A61K 38/4866; A61K 39/001126; A61K 41/0023; A61K 41/0076; A61K 47/52; A61K 49/0013; A61K 49/0026; A61K 49/0039; A61K 49/0089; A61K 49/0457; A61K 49/1809; A61K 51/081; A61K 8/445; A61K 8/4913; A61K 8/4926; A61K 8/4946; A61K 8/4993; A61K 8/736; A61K 8/87; A61K 8/891; A61K 9/1278; A61K 9/2068; A61K 9/282; A61K 2236/13; A61K 2800/74; A61K 31/327; A61K 31/733; A61K 35/60; A61K 35/765; A61K 36/11; A61K 36/17; A61K 36/39; A61K 36/41; A61K 36/487; A61K 36/605; A61K 36/732; A61K 36/888; A61K 36/906; A61K 38/1732; A61K 38/178; A61K 38/486; A61K 39/001138; A61K 39/001158; A61K 39/114; A61K 39/265; A61K 49/0045; A61K 49/0409; A61K 49/1881; A61K 51/1087; A61K 51/121; A61K 51/1237; A61K 8/062; A61K 8/368; A61K 8/416; A61K 8/463; A61K 9/5042; A61K 2236/17; A61K 31/545; A61K 35/37; A61K 36/062; A61K 36/235; A61K 36/25; A61K 36/288; A61K 36/346; A61K 36/69; A61K 36/78; A61K 38/34; A61K 38/553; A61K 39/001116; A61K 39/012; A61K 39/17; A61K 39/36; A61K 47/00; A61K 49/001; A61K 49/0069; A61K 49/0095; A61K 49/0404; A61K 49/108; A61K 49/12; A61K 49/122; A61K 49/146; A61K 49/1821; A61K 49/1887; A61K 49/1896; A61K 51/048; A61K 51/0485; A61K 6/00; A61K 8/20; A61K 8/25; A61K 8/678; A61K 8/733; A61K 9/009; A61K 9/113; A61K 9/2022

See application file for complete search history.

(56)

**References Cited**

U.S. PATENT DOCUMENTS

2,551,433 A \* 5/1951 Graves ..... G09B 23/281  
446/376  
D235,650 S \* 7/1975 Haddad ..... 434/273

D347,655 S \* 6/1994 Munro ..... 446/268  
 6,612,977 B2 \* 9/2003 Staskin ..... A61B 17/0482  
 600/30  
 D607,936 S \* 1/2010 Kaleta ..... D19/62

\* cited by examiner

*Primary Examiner* — Khawaja Anwar  
 (74) *Attorney, Agent, or Firm* — WHDA, LLP

(57) **CLAIM**

The ornamental design for a uterus simulator apparatus for medical training, as shown and described.

**DESCRIPTION**

1. Uterus simulator apparatus for medical training

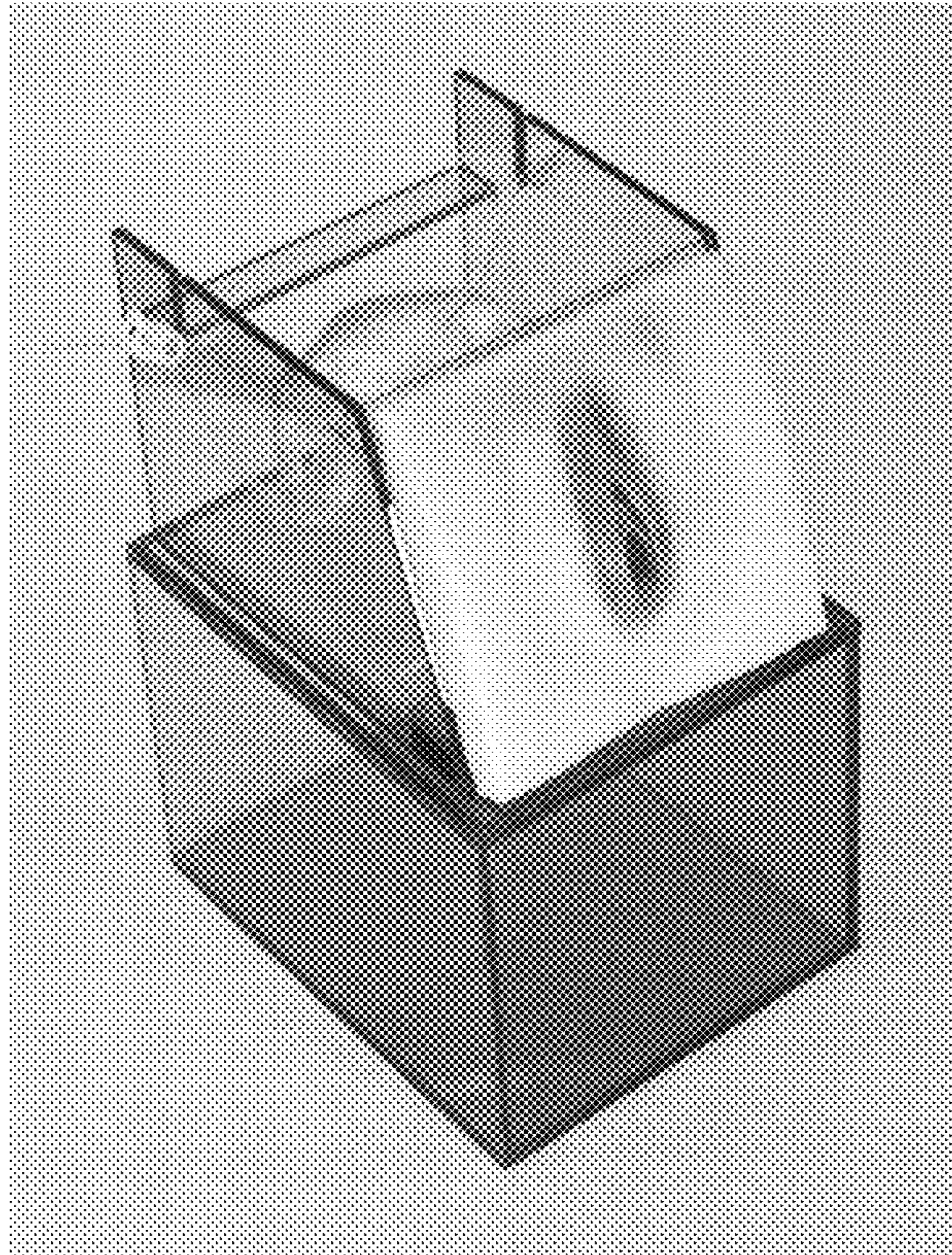
- 1.1 : Perspective view (front, left, top)
- 1.2 : Perspective view (back, left, top)
- 1.3 : Front
- 1.4 : Back
- 1.5 : Top
- 1.6 : Bottom
- 1.7 : Left
- 1.8 : Right
- 1.9 : Front view of the body part
- 1.10 : Back view of the body part
- 1.11 : Bottom view of the body part
- 1.12 : Left view of the body part
- 1.13 : Right view of the body part
- 1.14 : Perspective view of the box of body part
- 1.15 : Front view of the box of body part
- 1.16 : Left view of the box of body part
- 1.17 : Right view of the box of body part
- 1.18 : Perspective view of the pedestal part
- 1.19 : Perspective view of the pedestal part
- 1.20 : Front view of the pedestal part
- 1.21 : Back view of the pedestal part
- 1.22 : Left view of the pedestal part
- 1.23 : Right view of the pedestal part
- 1.24 : Body surface-vagina element (perspective)
- 1.25 : Body surface-vagina element (perspective)
- 1.26 : Body surface-vagina element (front)
- 1.27 : Body surface-vagina element (back)
- 1.28 : Vagina-uterus element (front)
- 1.29 : Vagina-uterus element (back)
- 1.30 : Vagina-uterus element (left)
- 1.31 : Vagina-uterus element (right)
- 1.32 : Vagina-uterus element (bottom)
- 1.33 : Connection element (front)
- 1.34 : Connection element (back)
- 1.35 : Connection element (top)
- 1.36 : Connection element (bottom)
- 1.37 : Connection element (left)
- 1.38 : Connection element (right)

- 1.39 : Body part without uterus (perspective)
- 1.40 : Body part without uterus (left)
- 1.41 : Reference perspective view
- 1.42 : Reference front view
- 1.43 : Reference back view

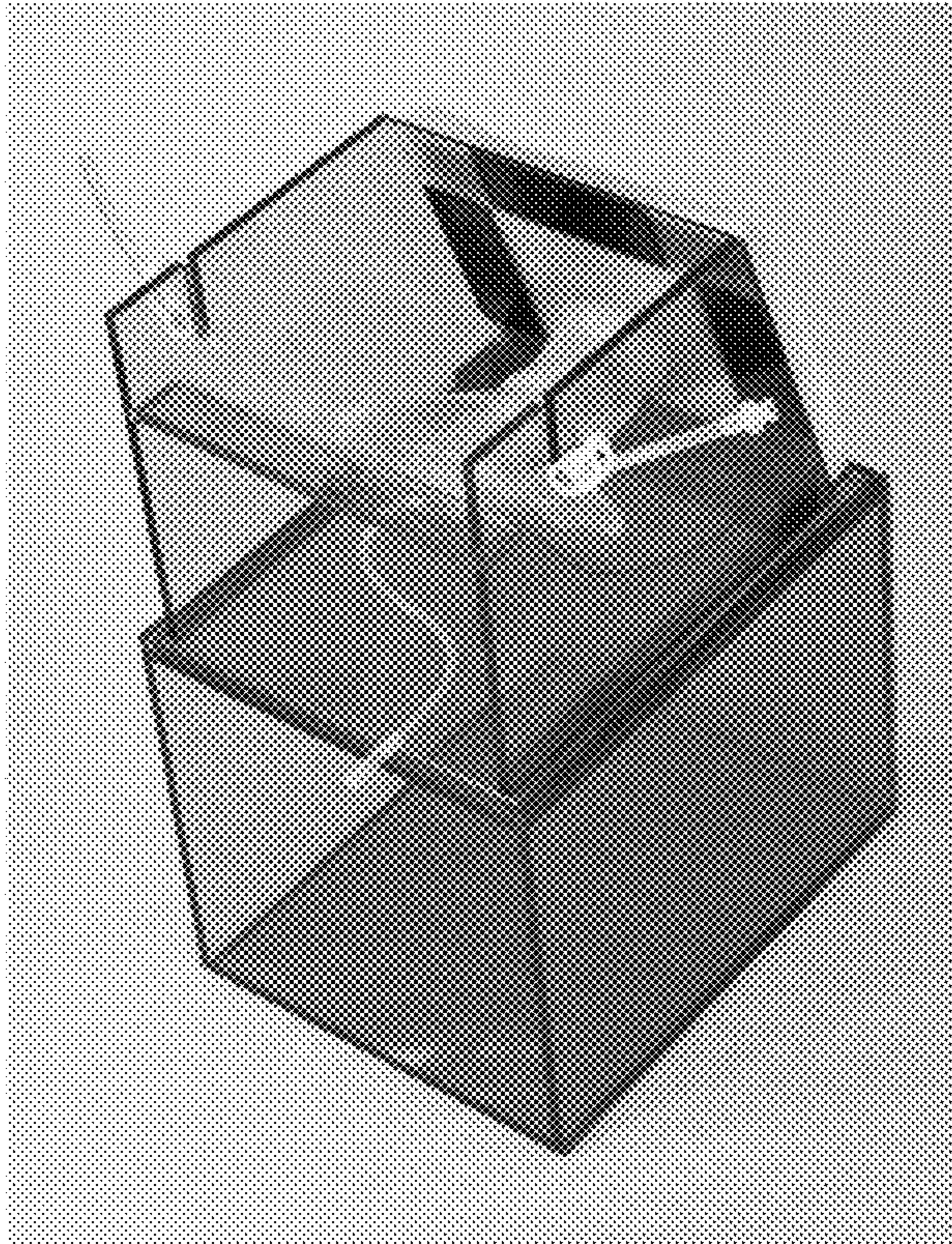
The article of this design is a uterus simulator apparatus for medical training; the box of the body part and the pedestal part are composed of a transparent plastic material making the interior easily visible; the box of the body part is smaller than the box of the pedestal part; the box of the body part is placed on the pedestal part; the box of the body part is stored inside the pedestal part after use; the walls of the front, right side, left side, and back of the pedestal-cum-storage portion of the body part are raised somewhat to hold the body part when it is placed on top and to prevent it from sliding down when performing medical procedures, such as injecting a syringe or the like; the box of the body part contains organ models consisting of three main elements: body surface-vagina element, connection elements, and vagina-uterus element; the body surface-vagina element is made of a resin commonly used in organ simulators, such as silicone resin, and various dyes are blended with the resin to give it the appearance of a real human body; the body surface-vagina element is detachable by an embedded magnet in the front of the box body of the body part, which is made with a ferromagnetic plate material; a hole is drilled in the lower center of the front surface of the box of the body part; the body surface-vagina element and vagina-uterus elements are connected at the site of the hole; the organ models of the body surface-vagina element and vagina-uterus element are attached by connection elements when in use; the organ models of the vagina-uterus element and connection elements are made of a transparent material such as silicone resin, which makes it easy to see the internal state of the organs and the state of injection of fluids such as chemicals into the organs from the outside; each part of the organ models are made of silicone resin, and the body surface-vagina and vagina-uterus elements are attached by connection elements; the organ model of the vagina-uterus element has one hollow tube on the underside that connects to the lumen of the organ model, and one hollow tube on each side that connects to the lumen of the organ model; a clip is placed on each of these tubes; these left and right-handed hollow tubes are sandwiched between notches located on the left side and the top of the right side of the box of the body part; and furthermore, it is secured by a clip so the position of the vagina-uterus organ model is held in a suitable position; in addition, across the middle bottom of the front of the body part, a plate element inserted into a notch located on the back right and left sides of the body part, a thin sheet of transparent resin to mimic the peritoneum and to control the movement of the uterus is placed.

**1 Claim, 43 Drawing Sheets**

1.1

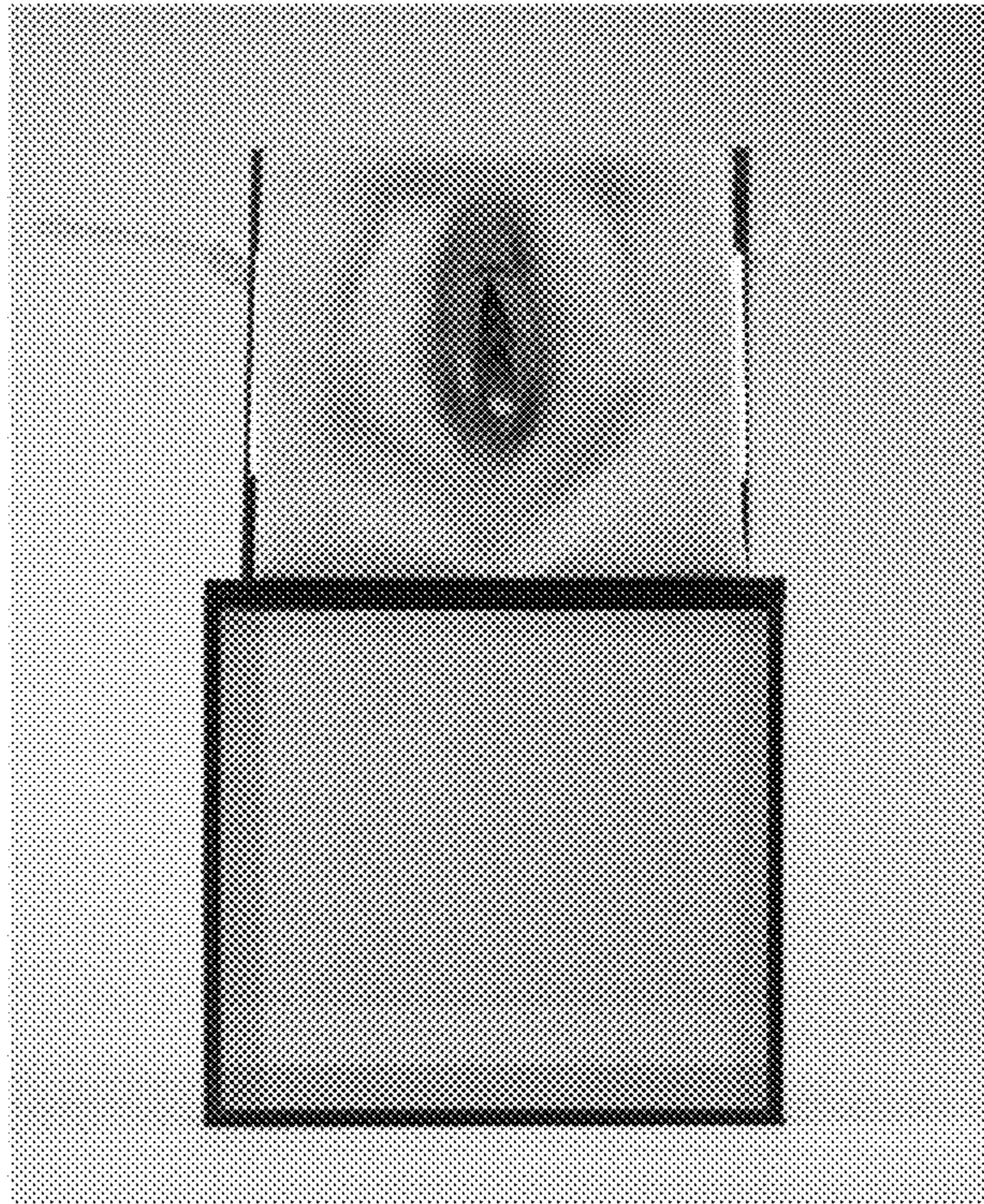


1.2

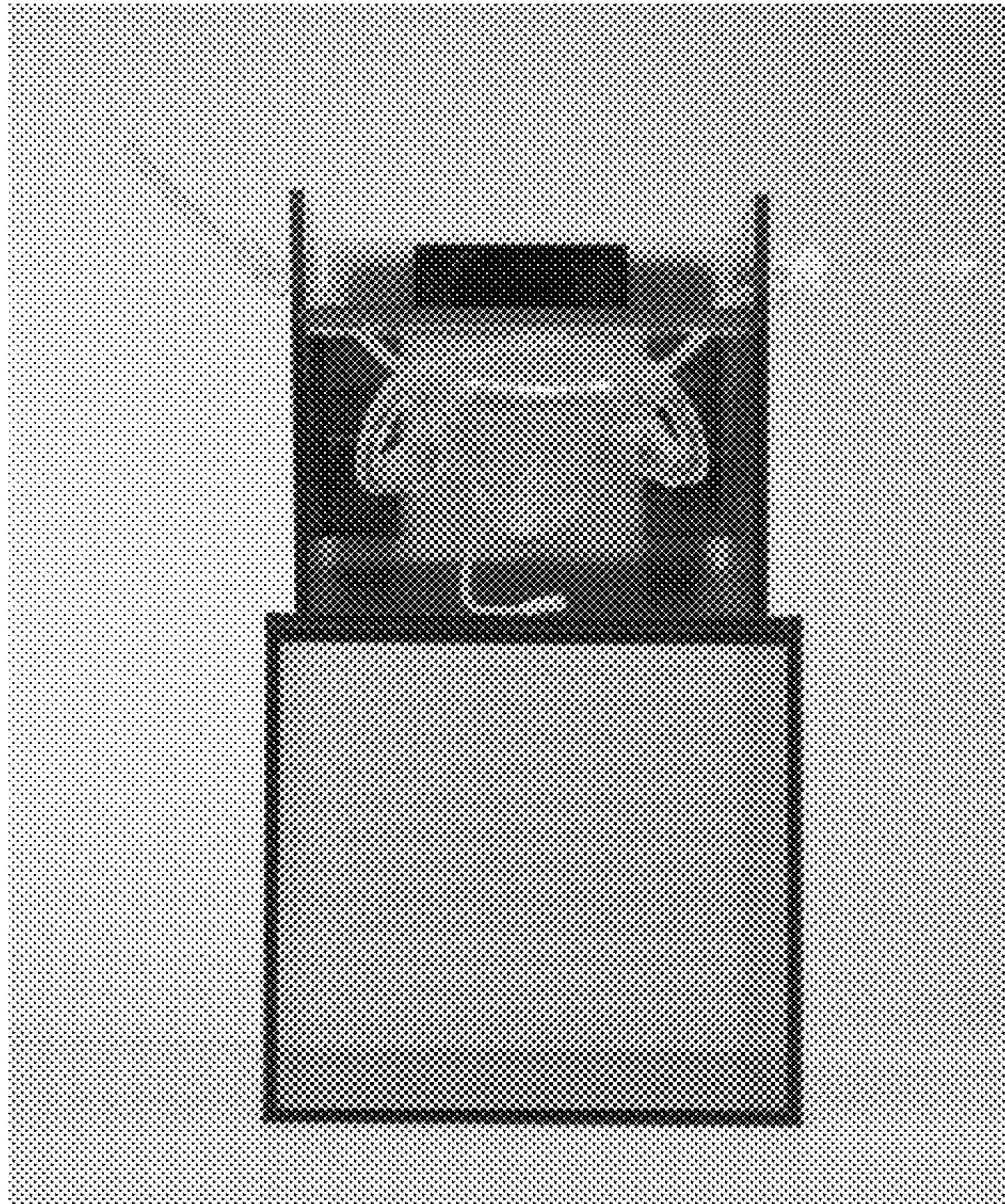




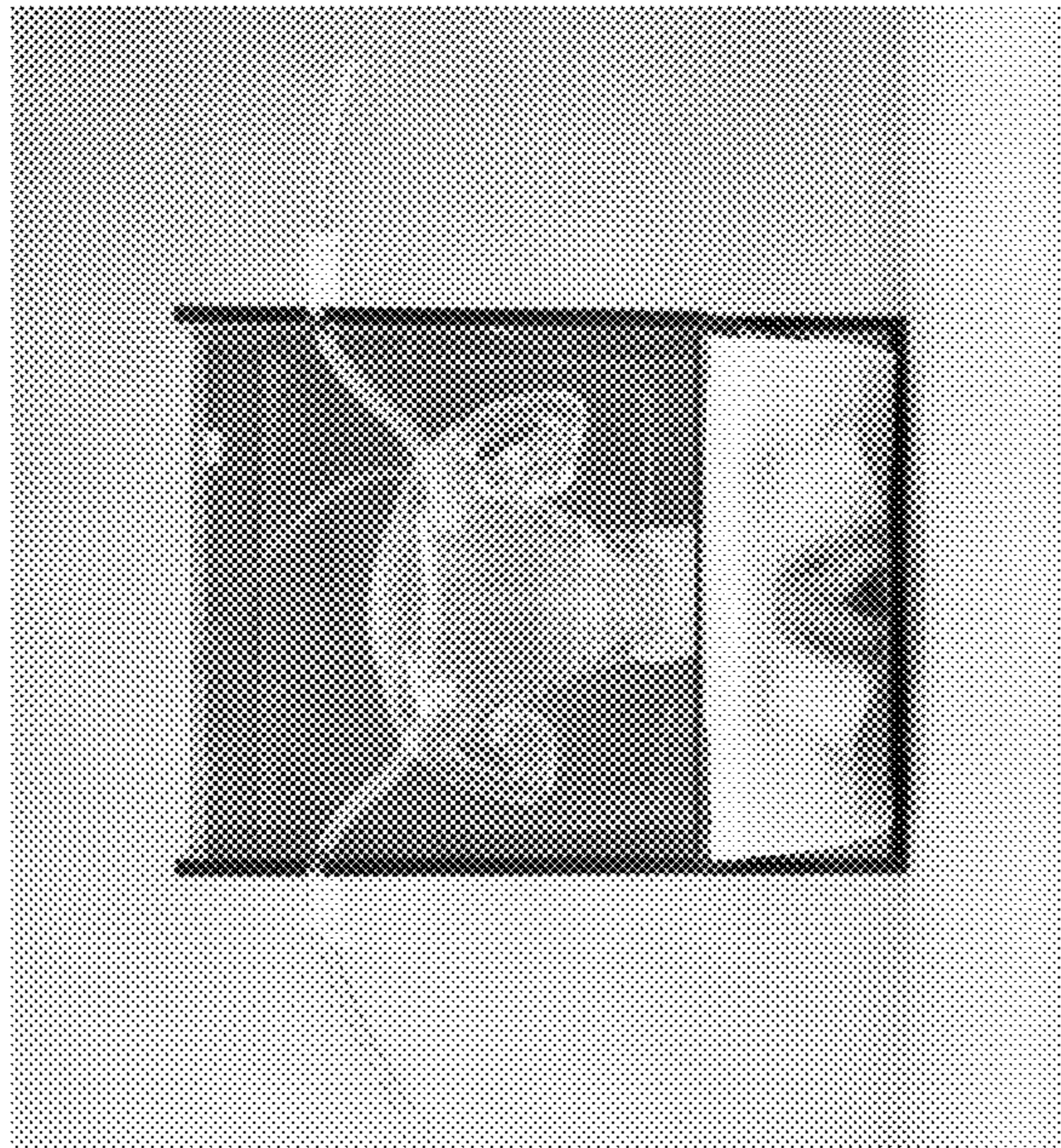
1.3



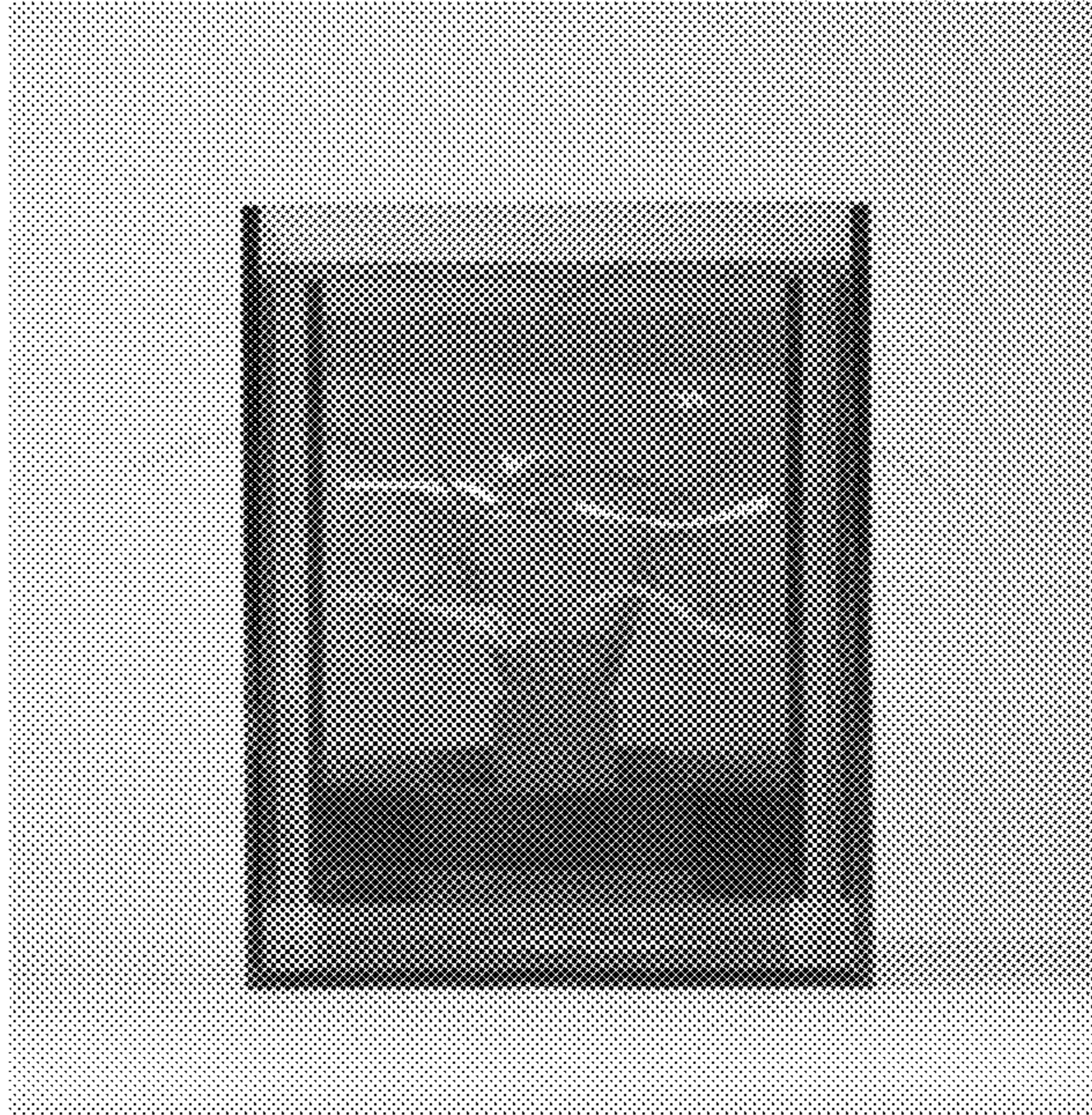
1.4



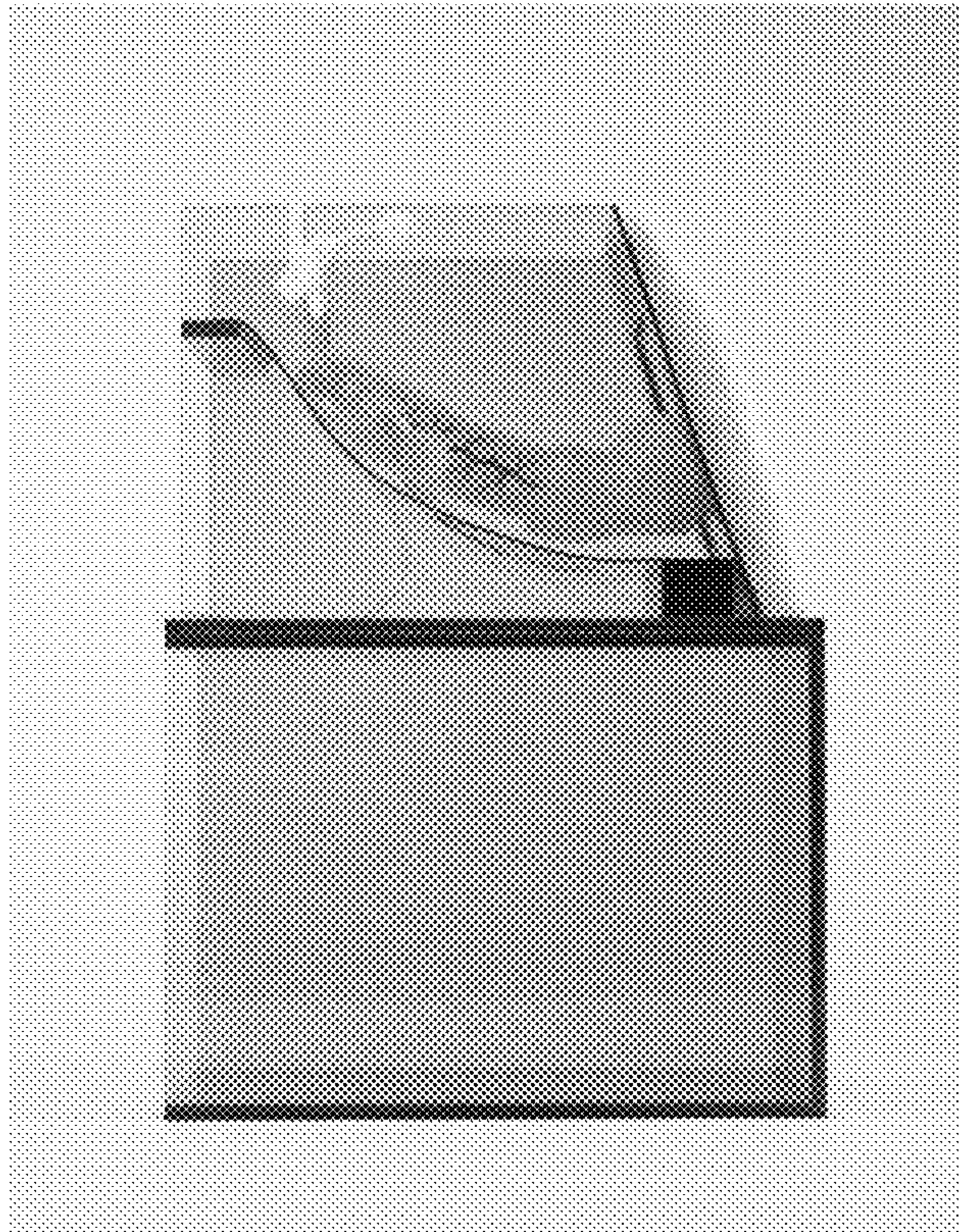
1.5



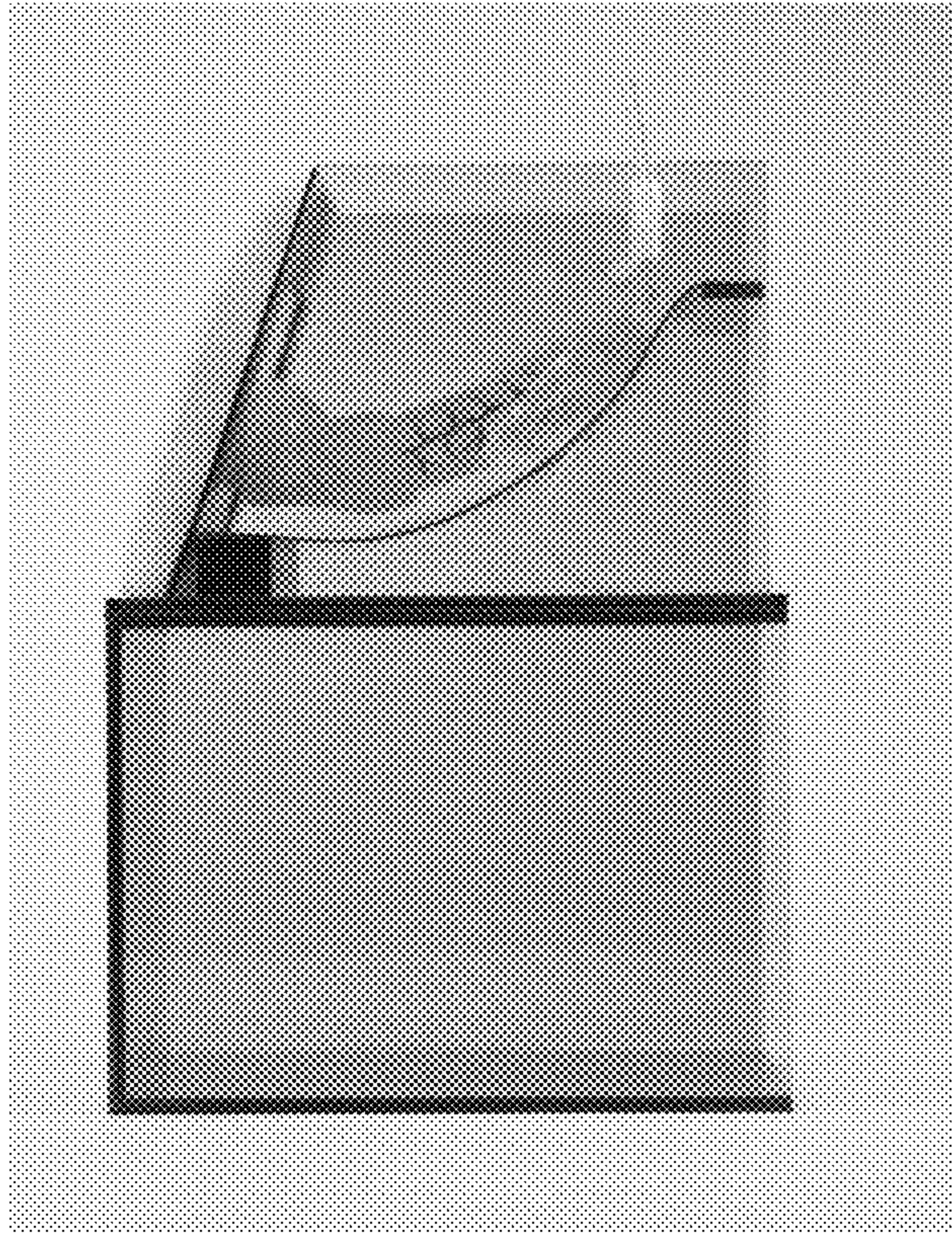
1.6

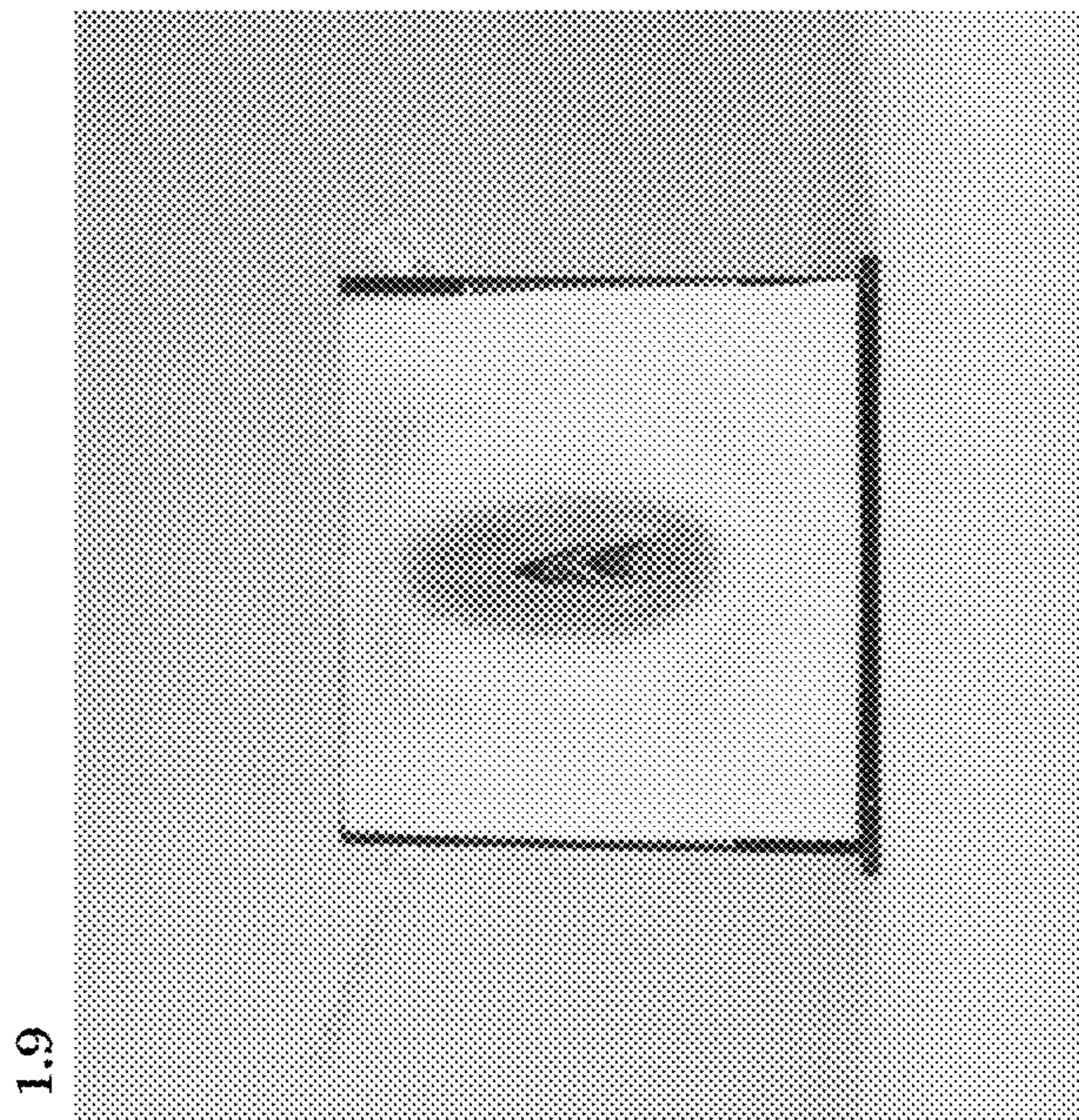


1.7

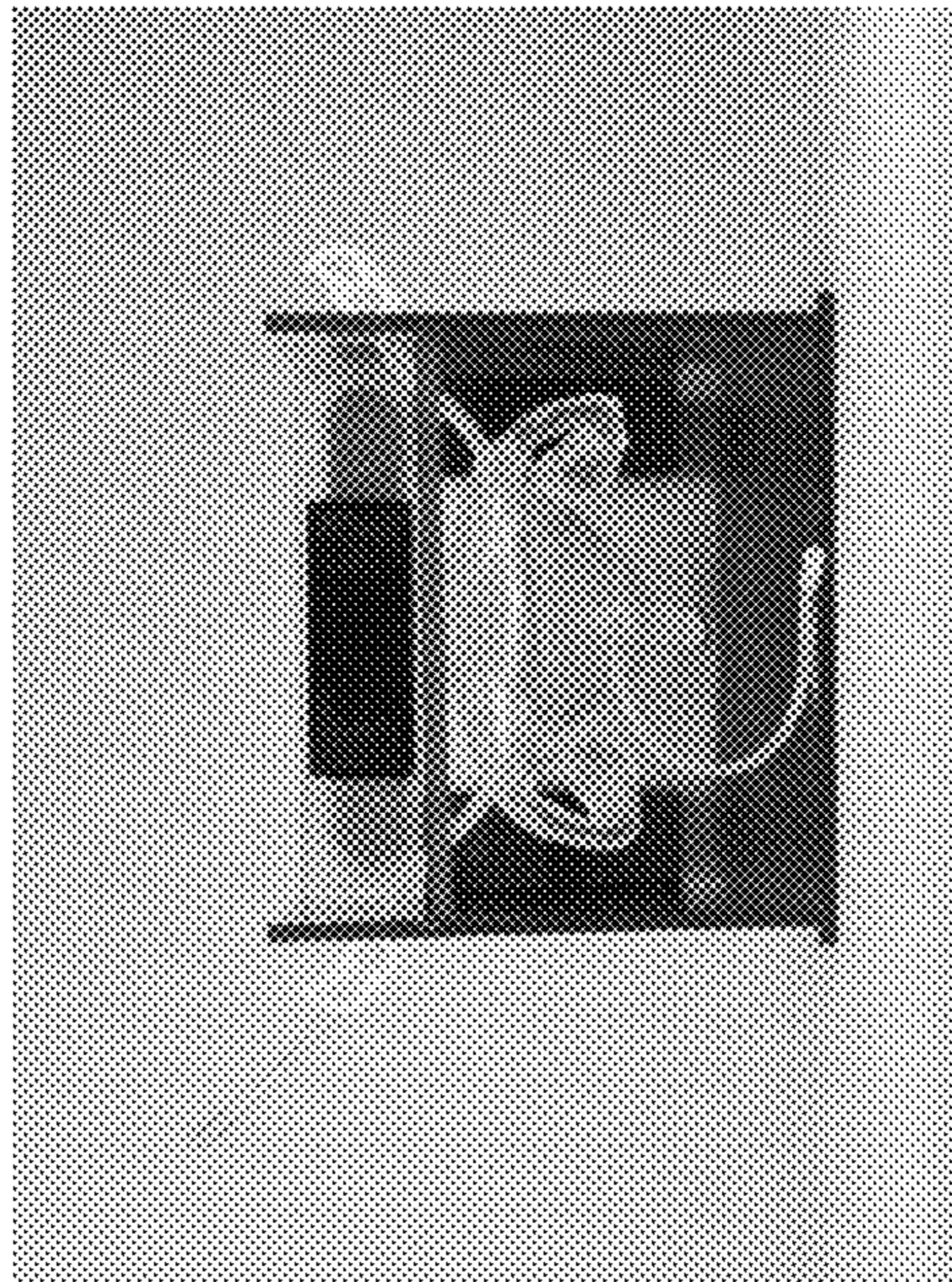


1.8

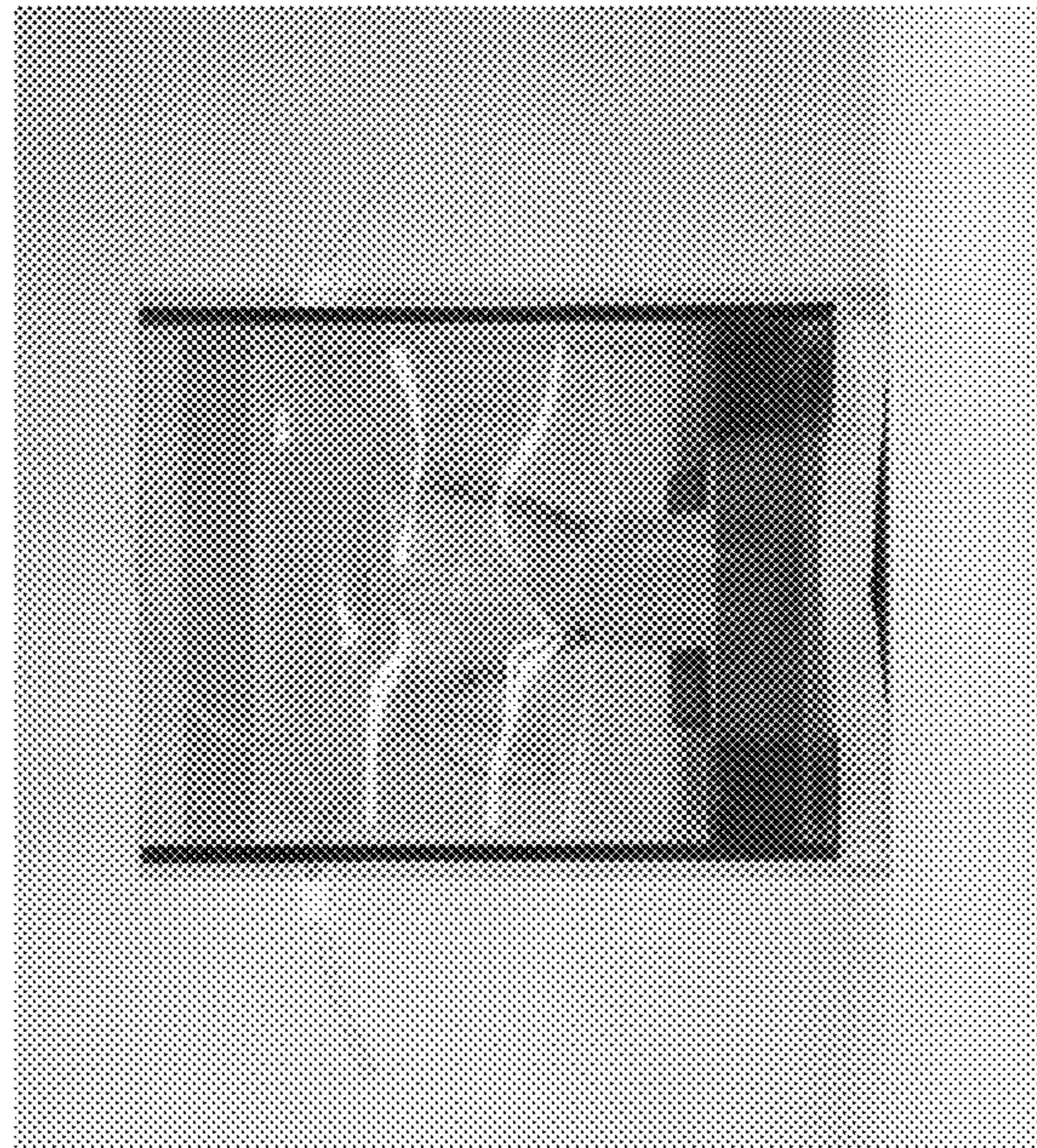




1.10

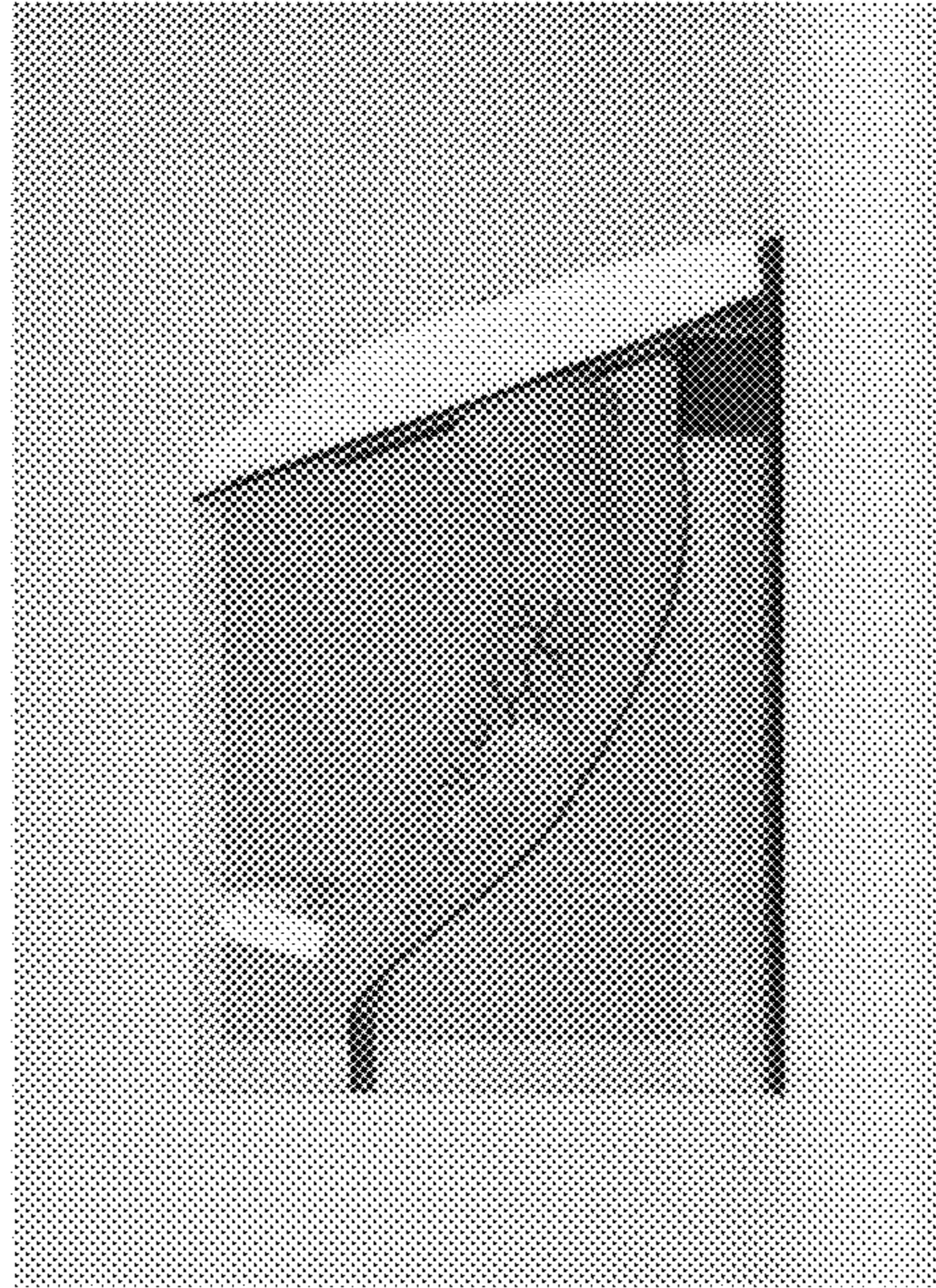


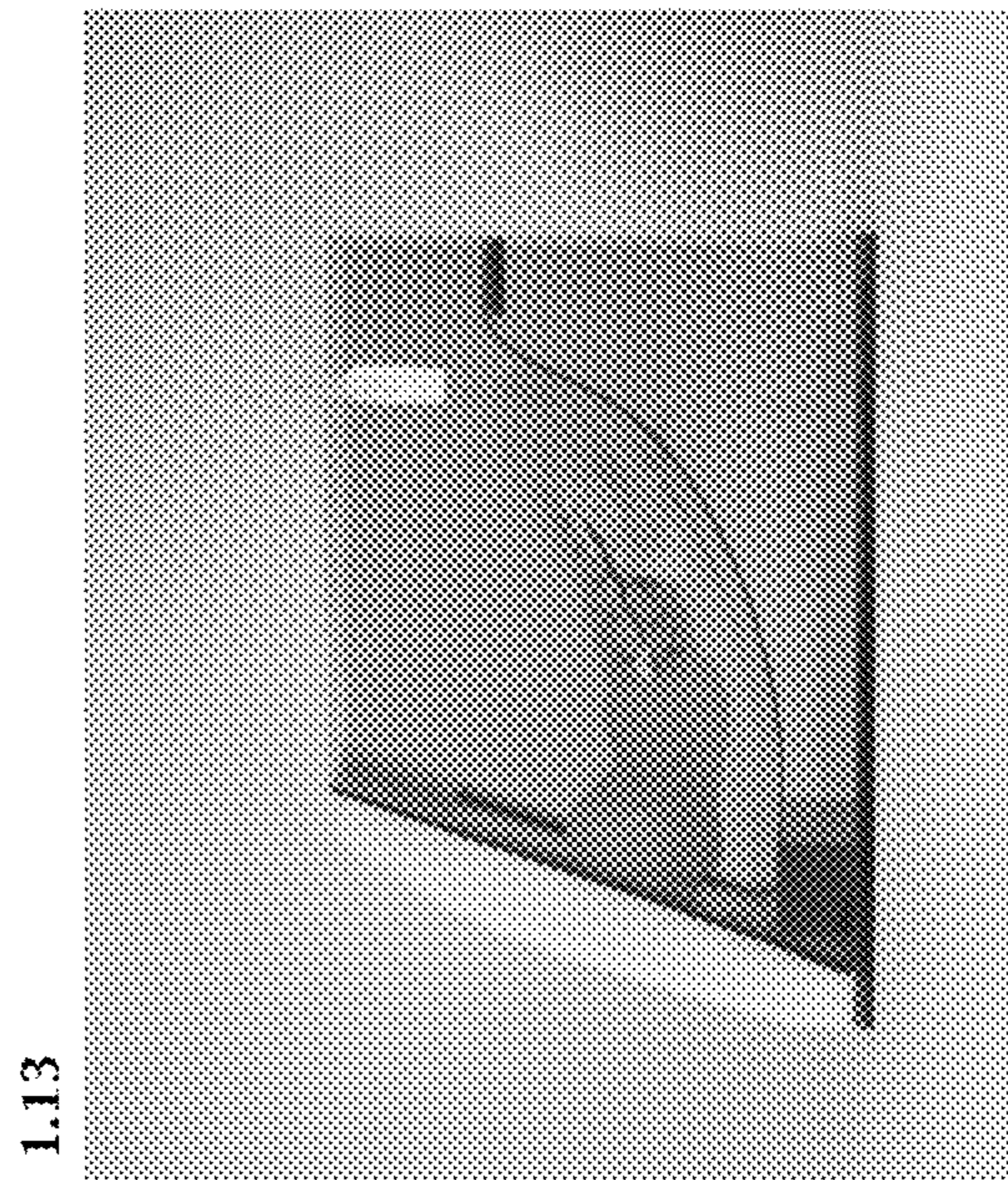


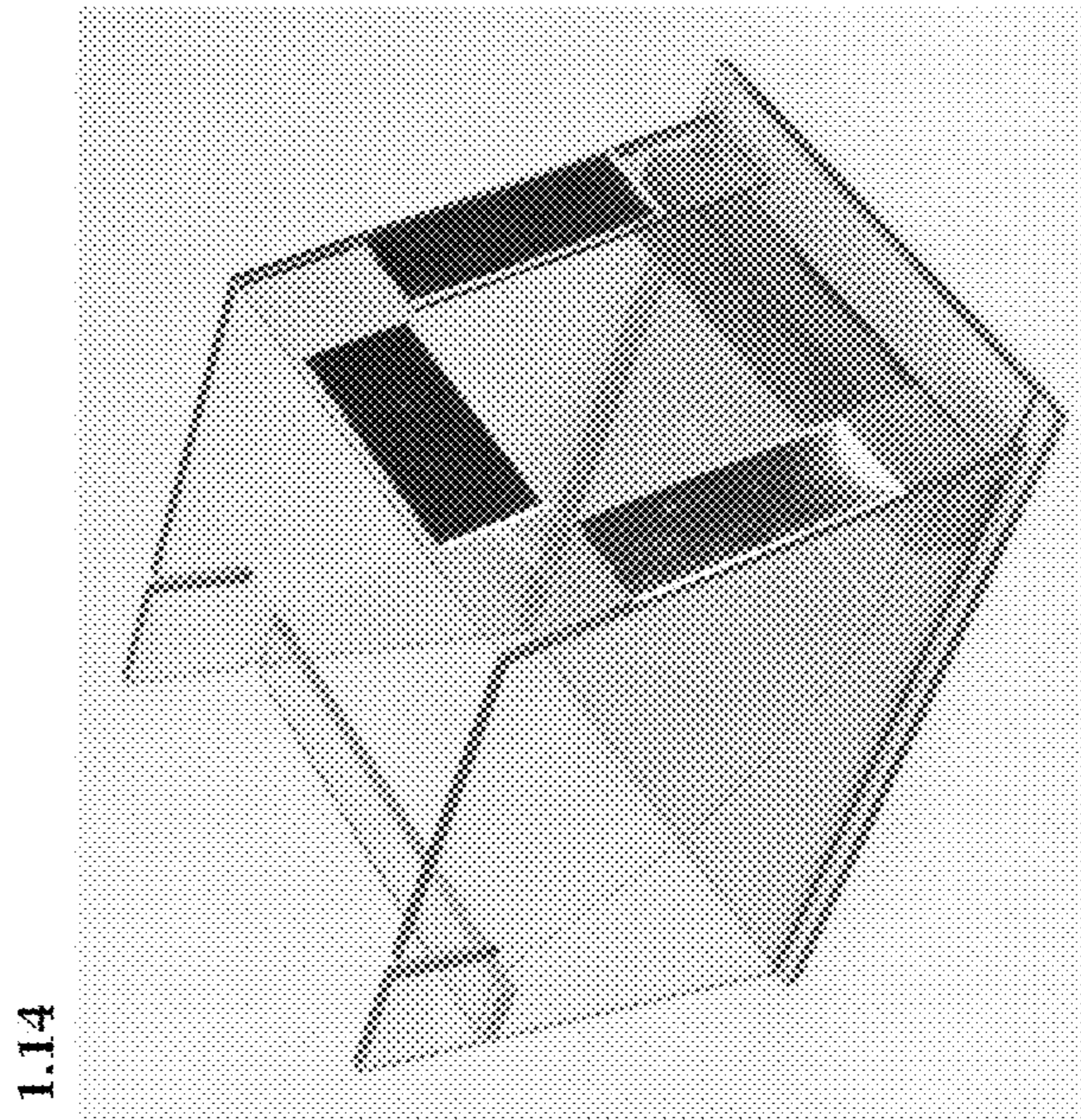


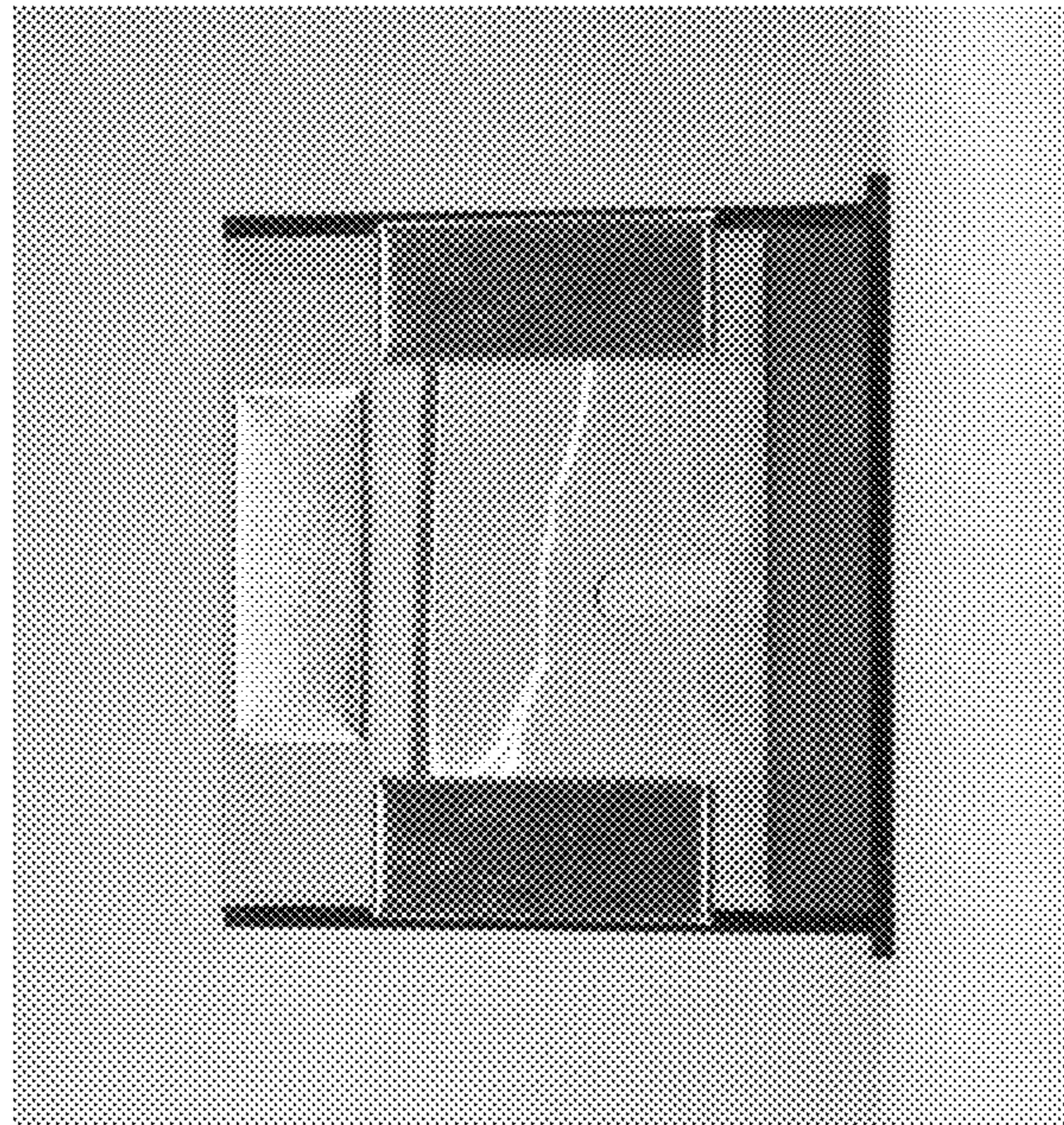
1.11

1.12

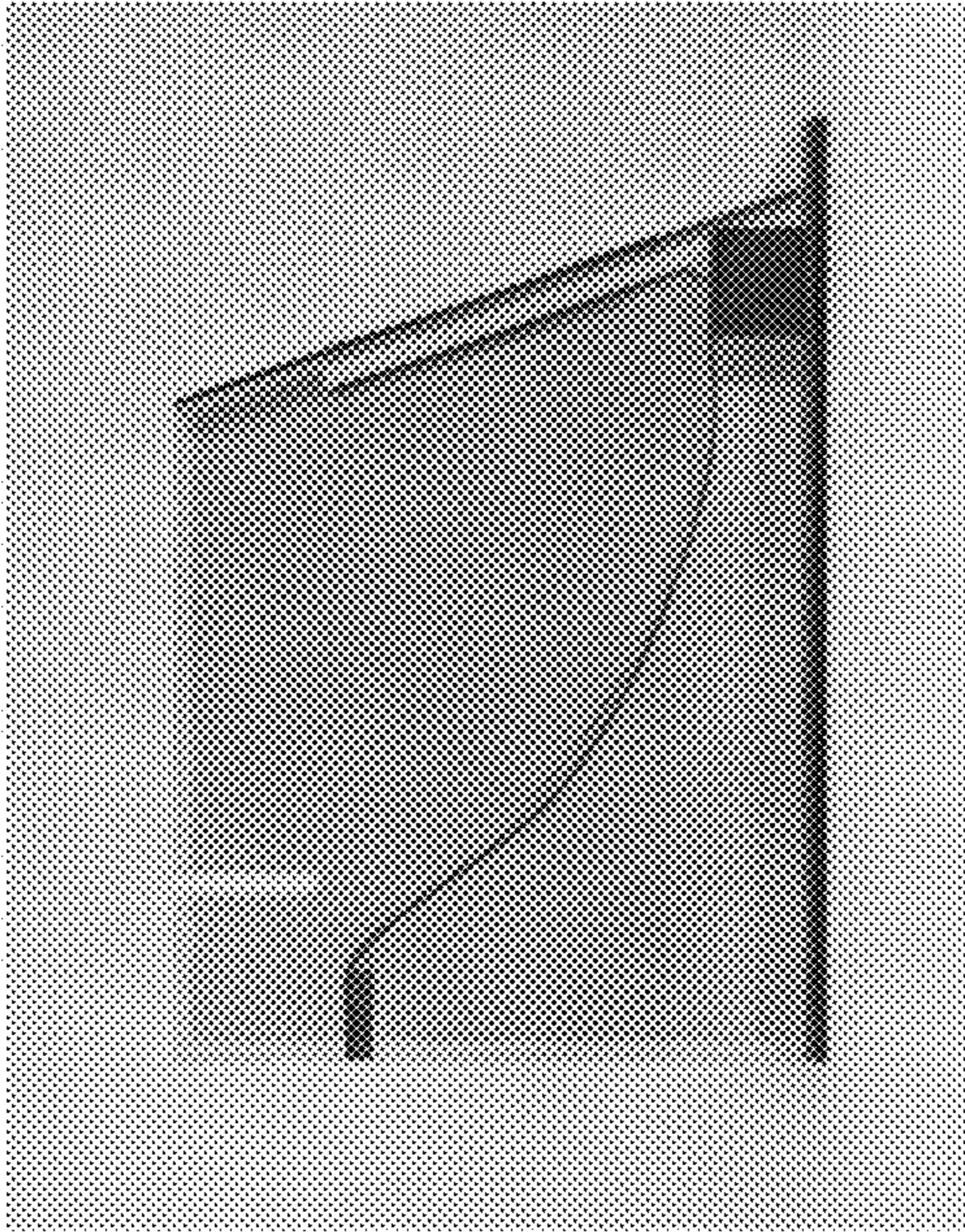






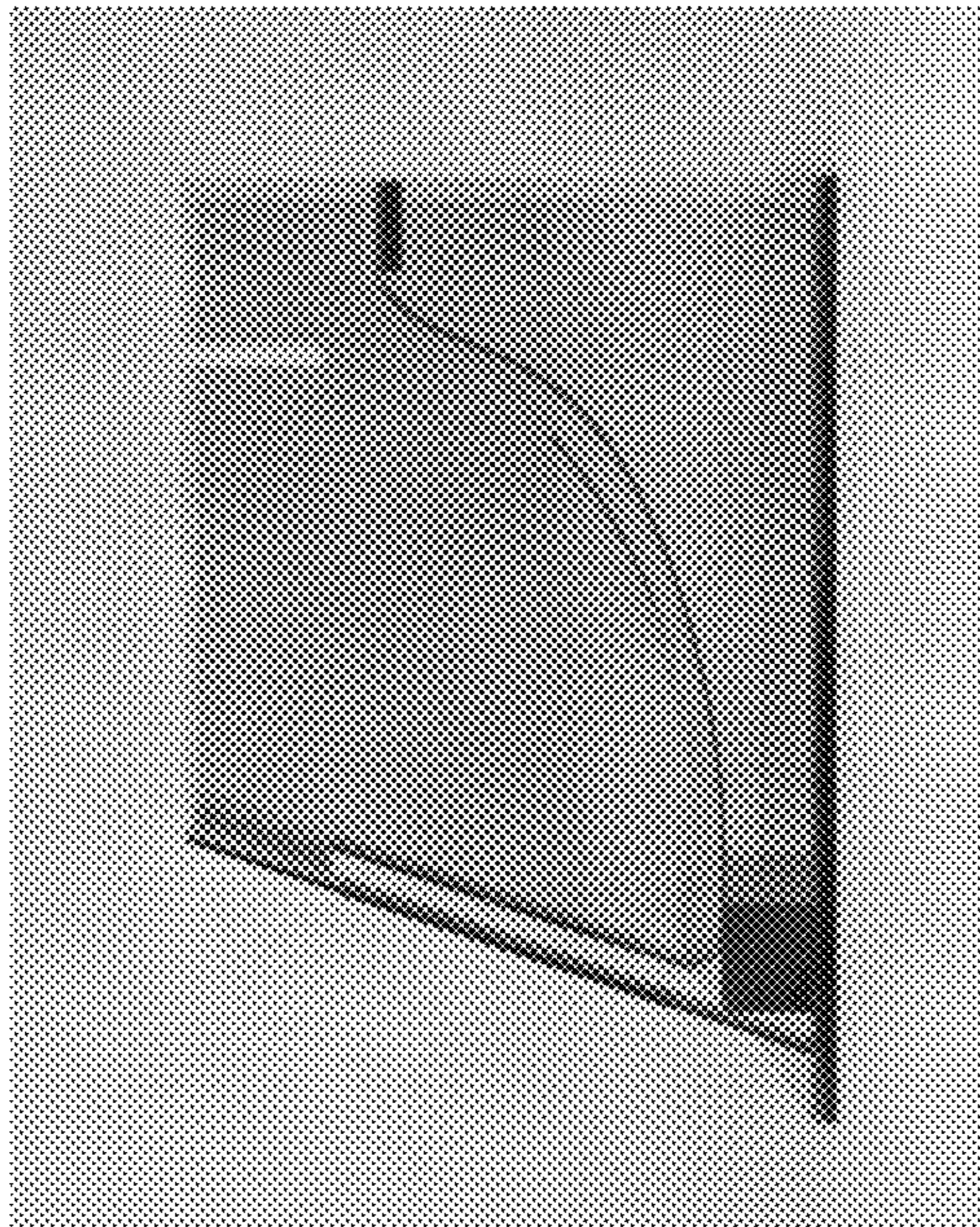


1.15

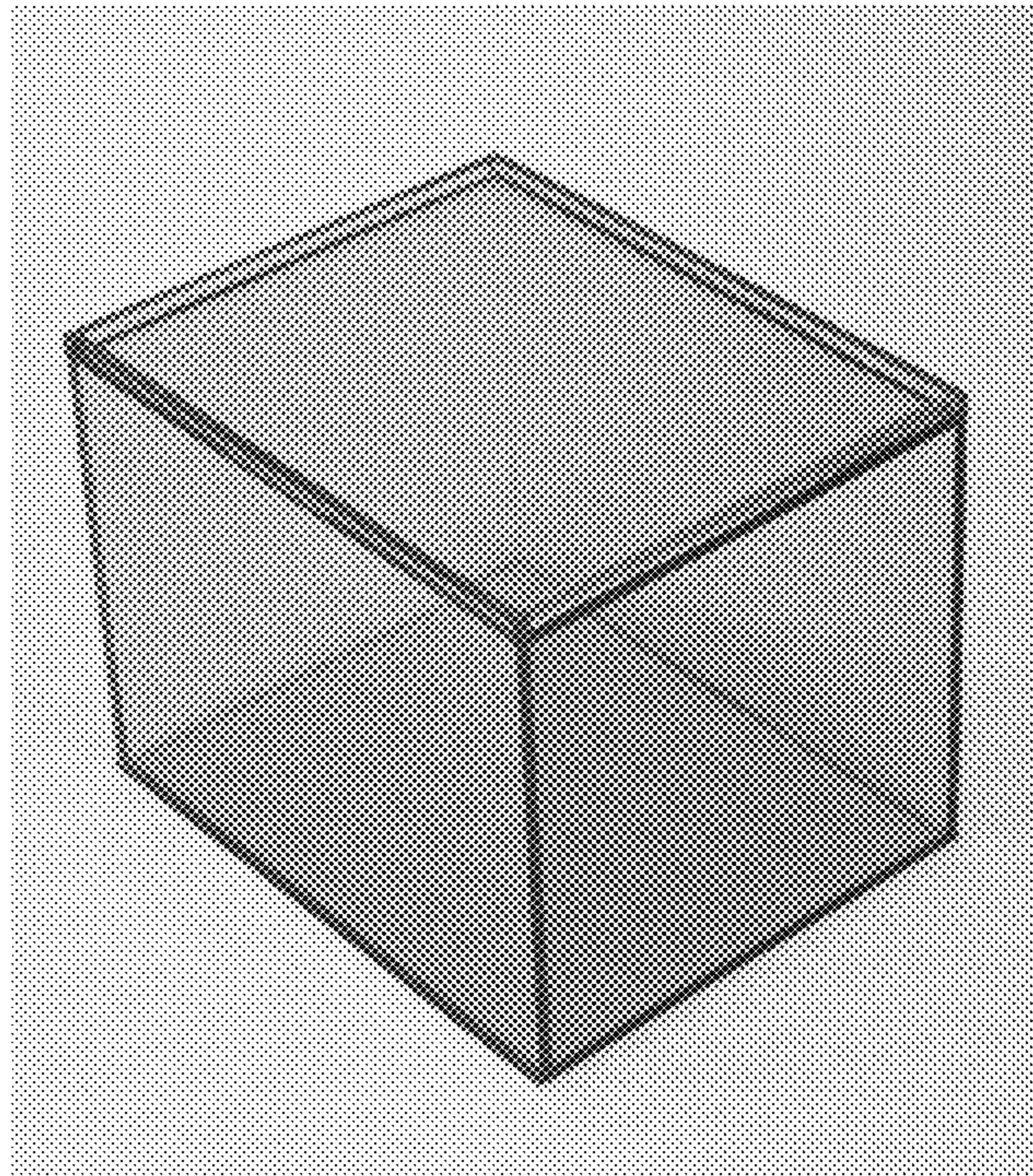


1.16

1.17

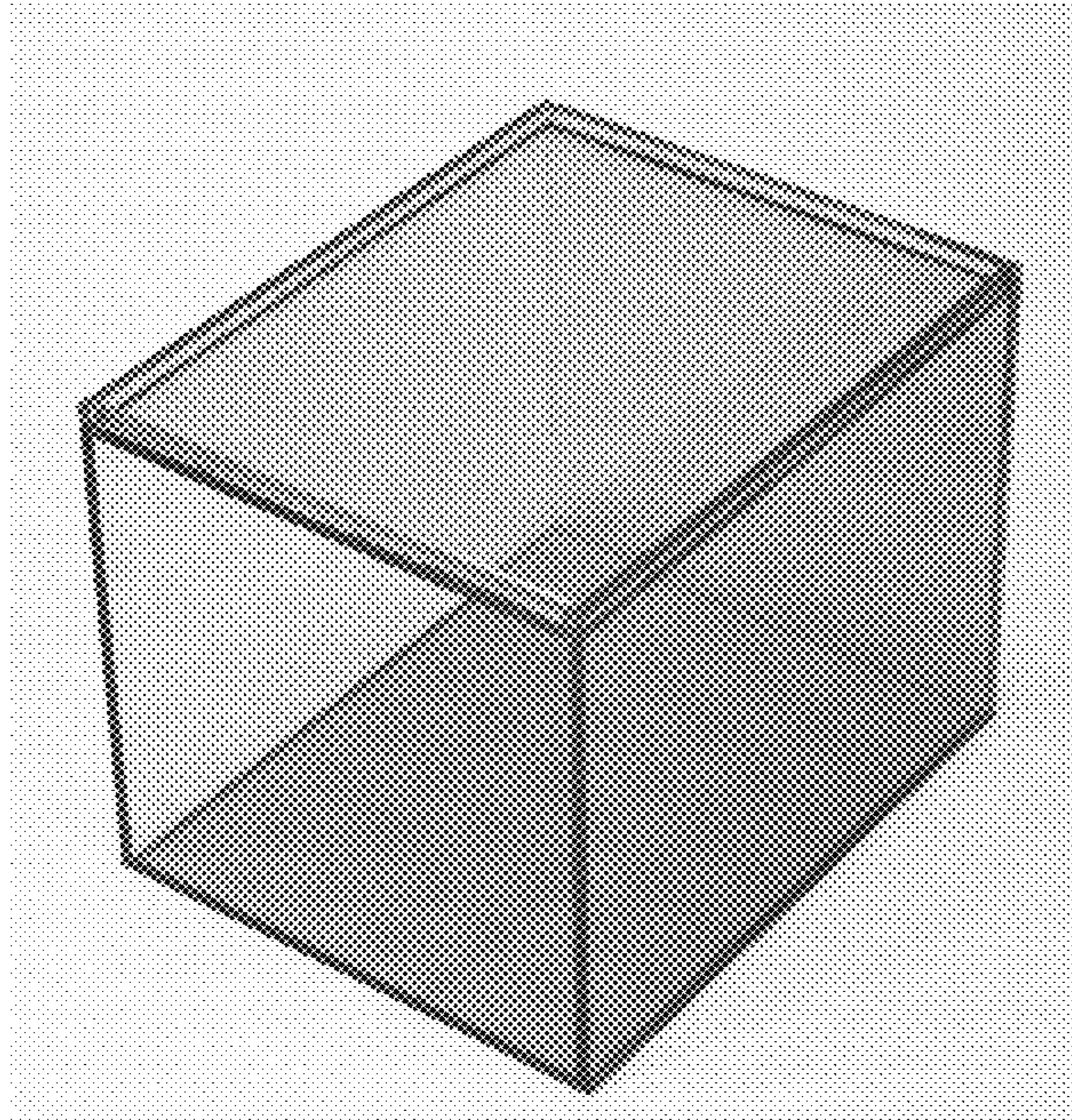


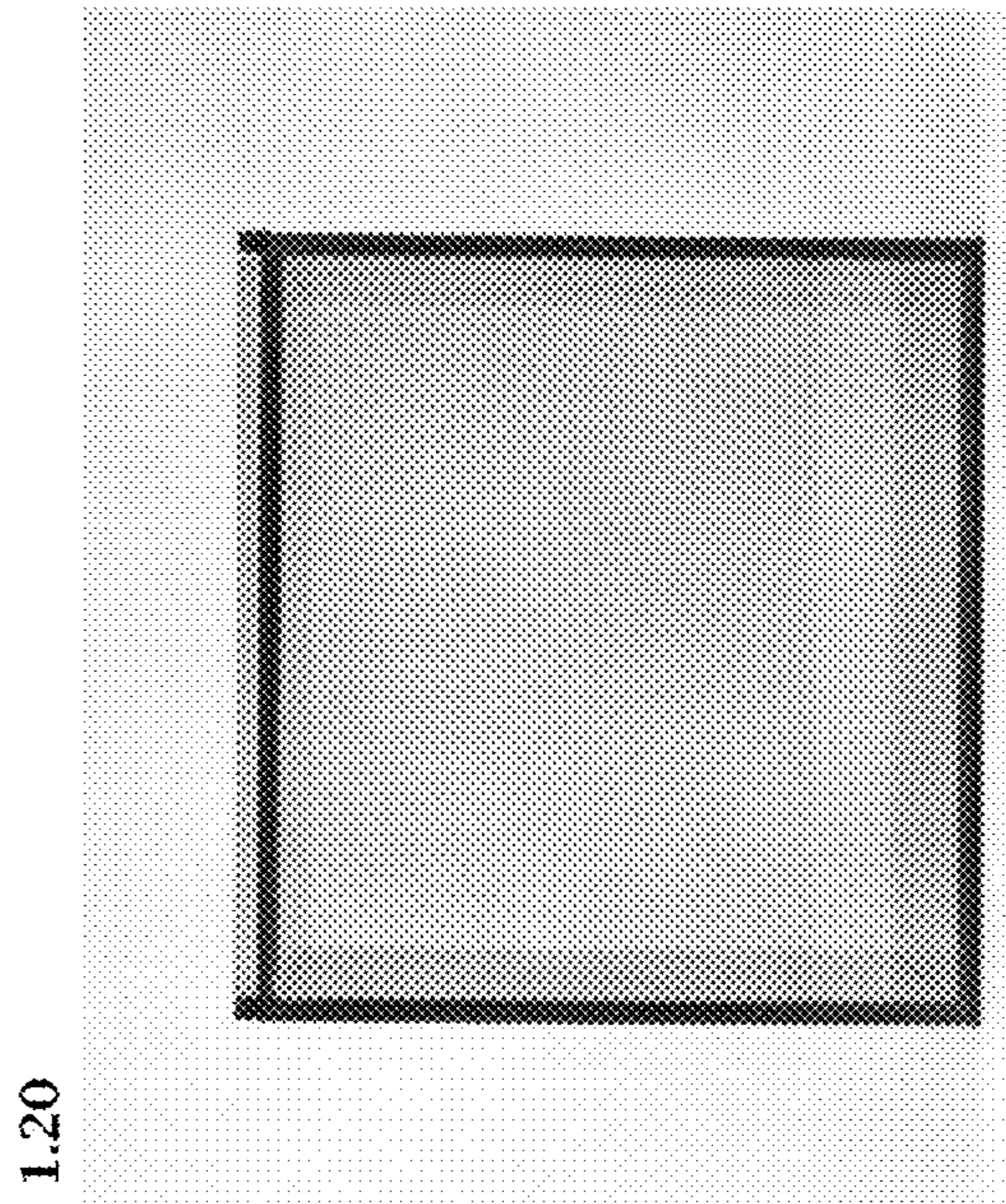
1.18

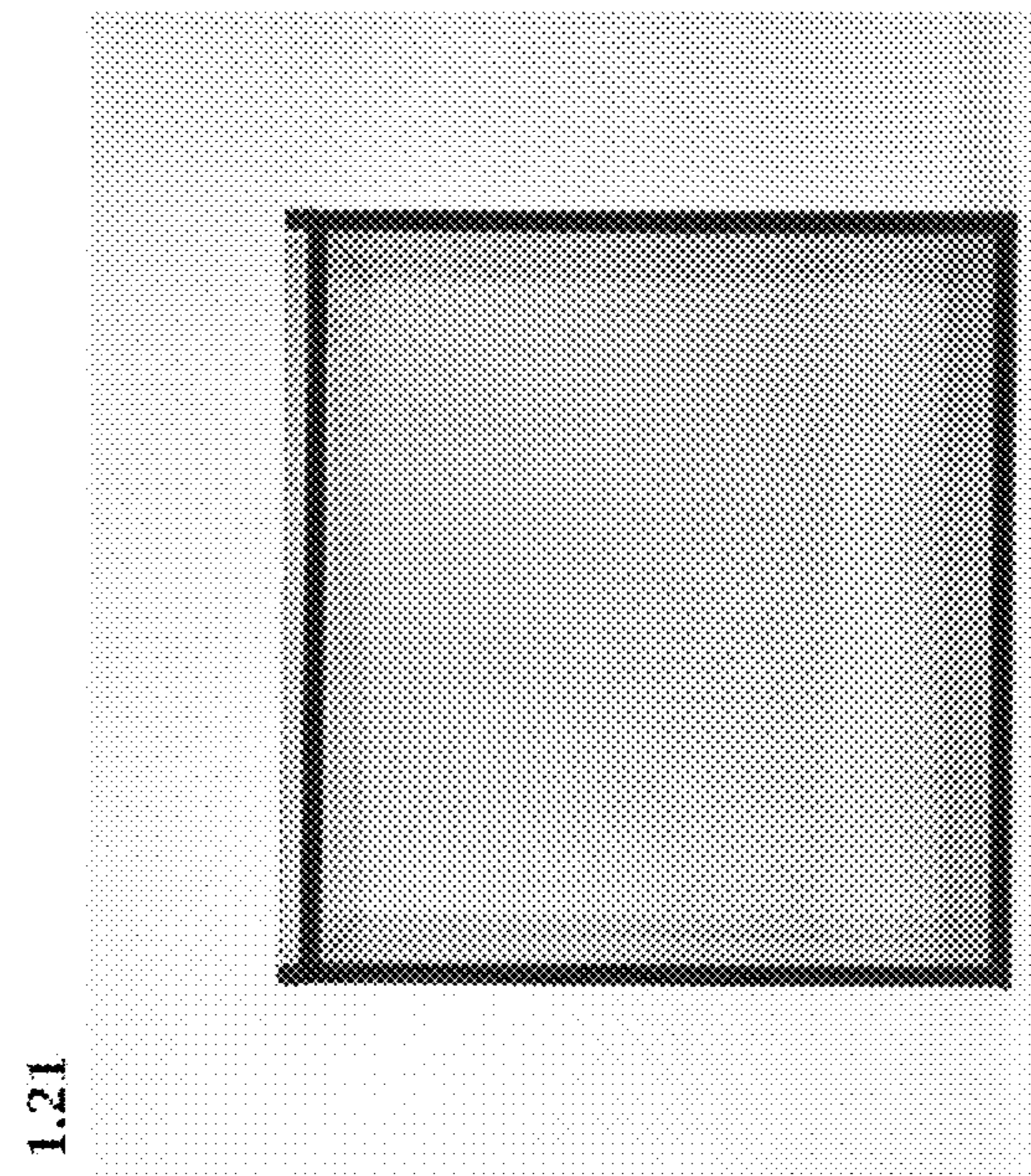


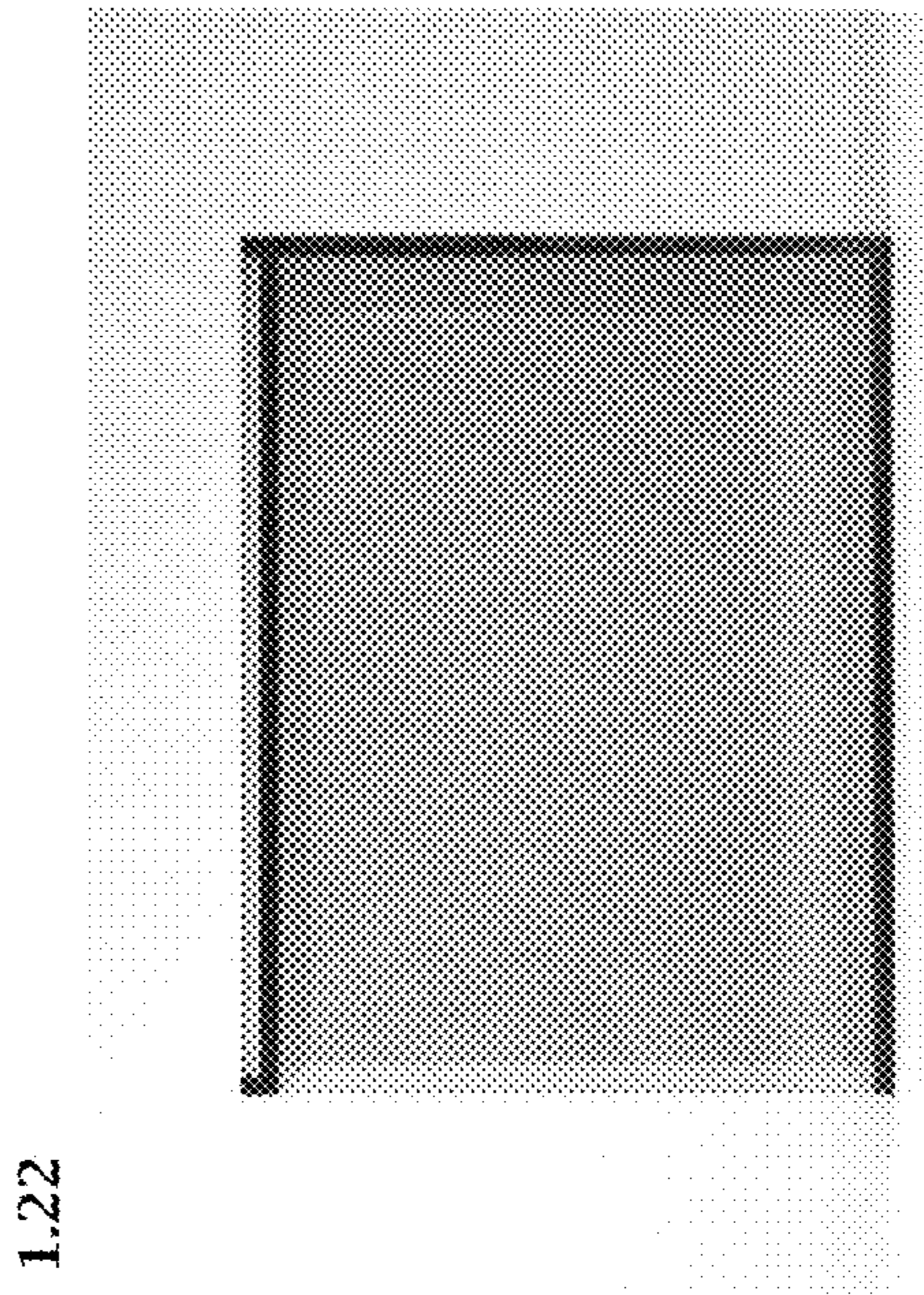


1.19

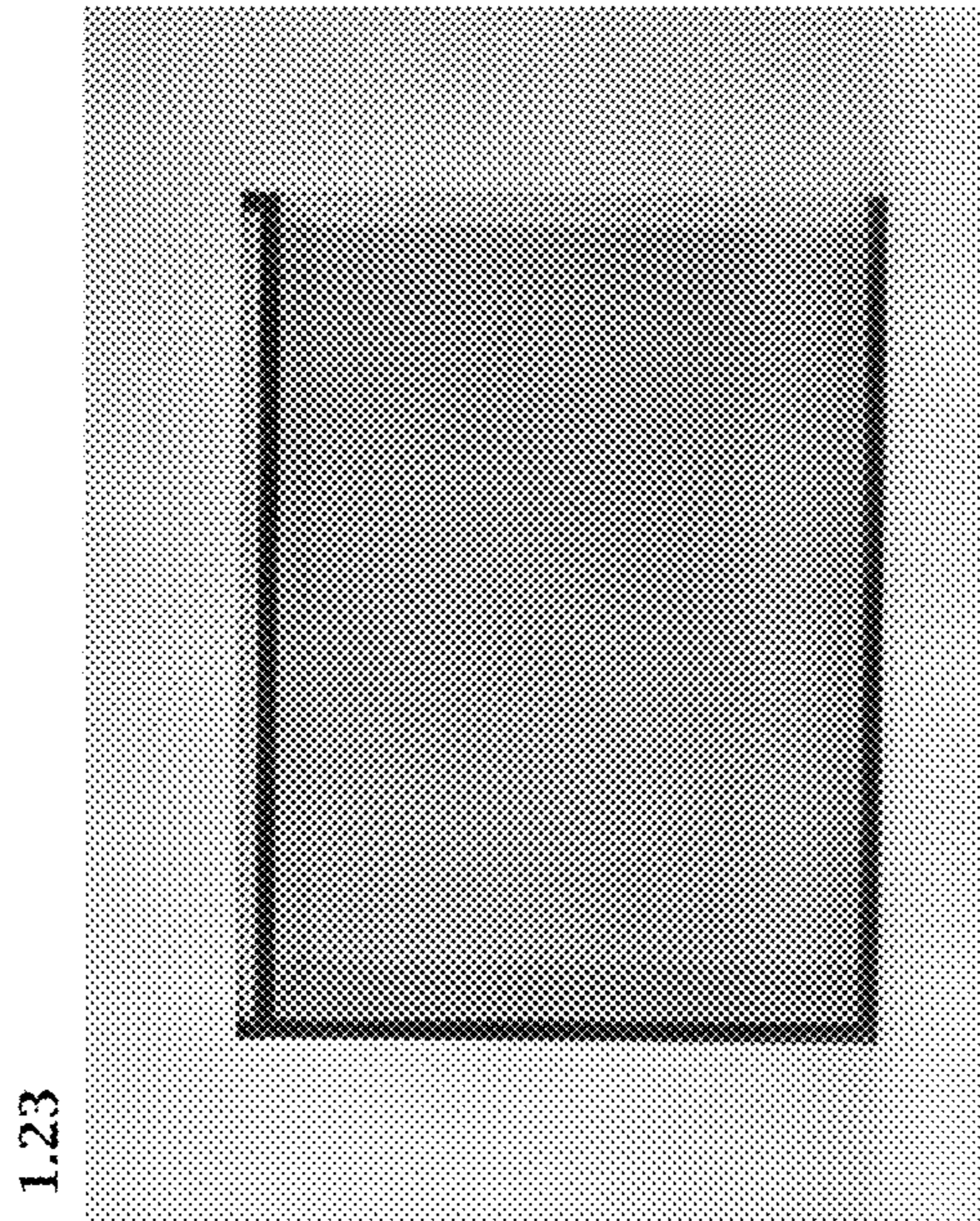




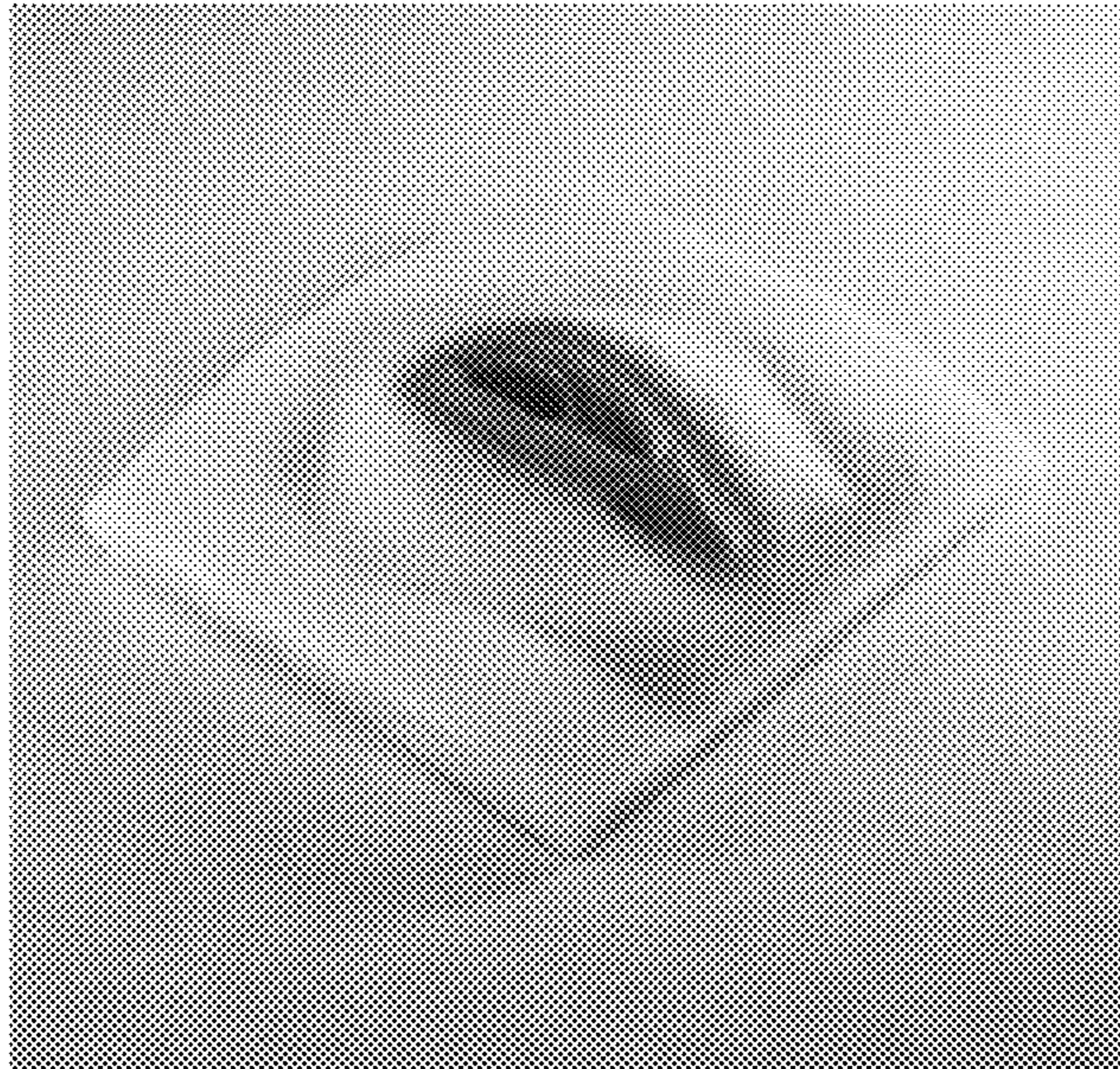


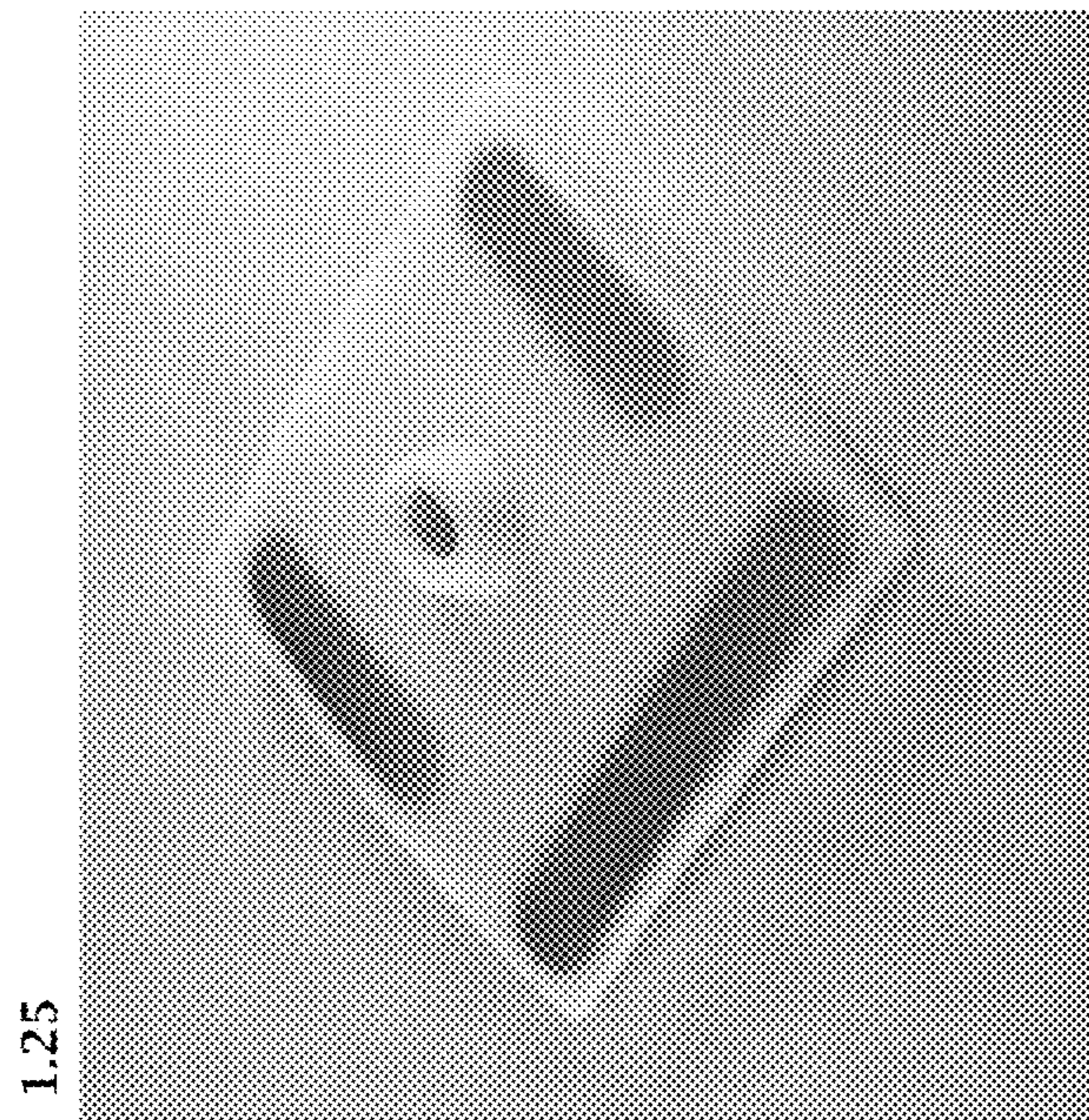


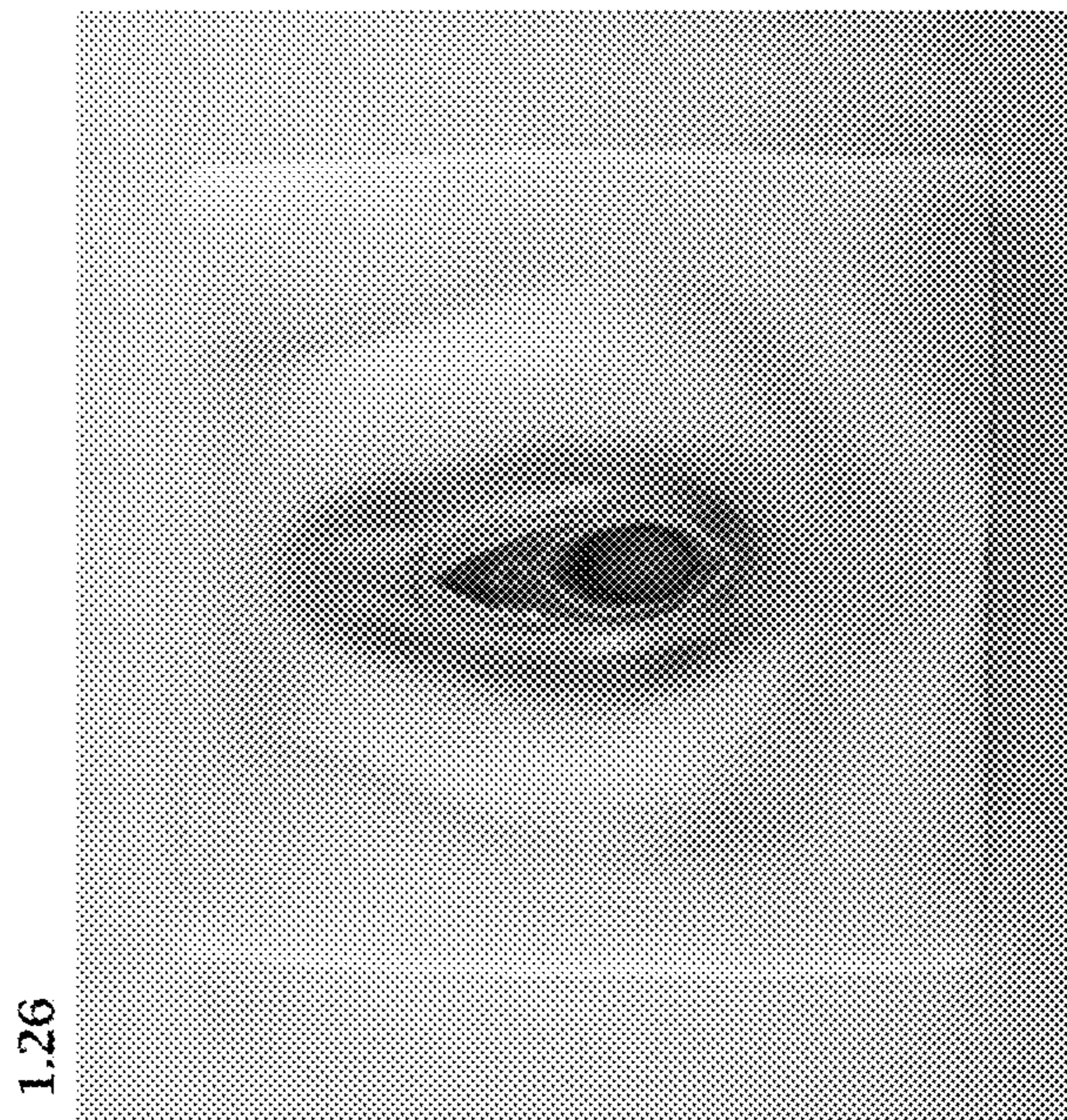
1.22



1.24

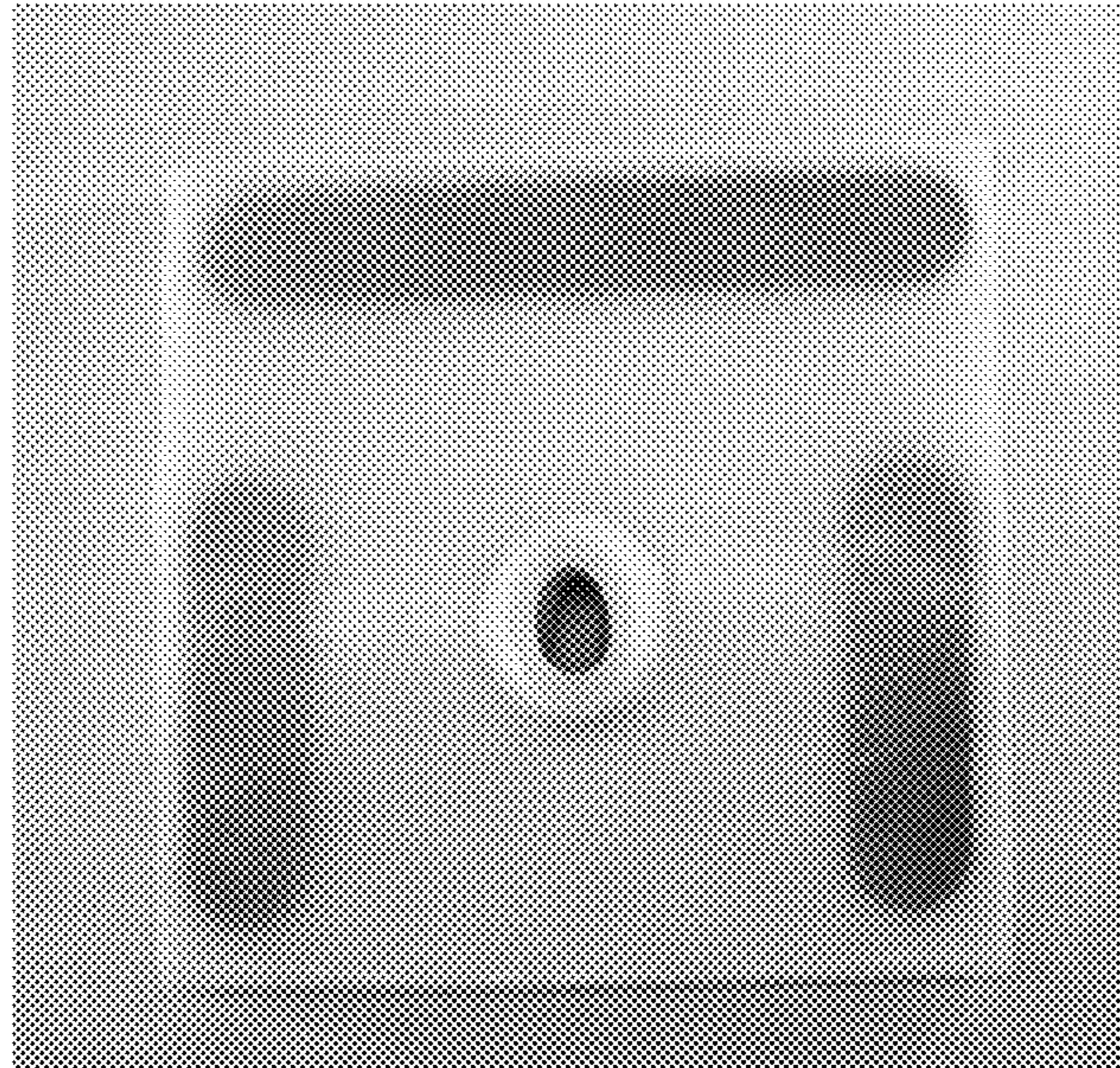




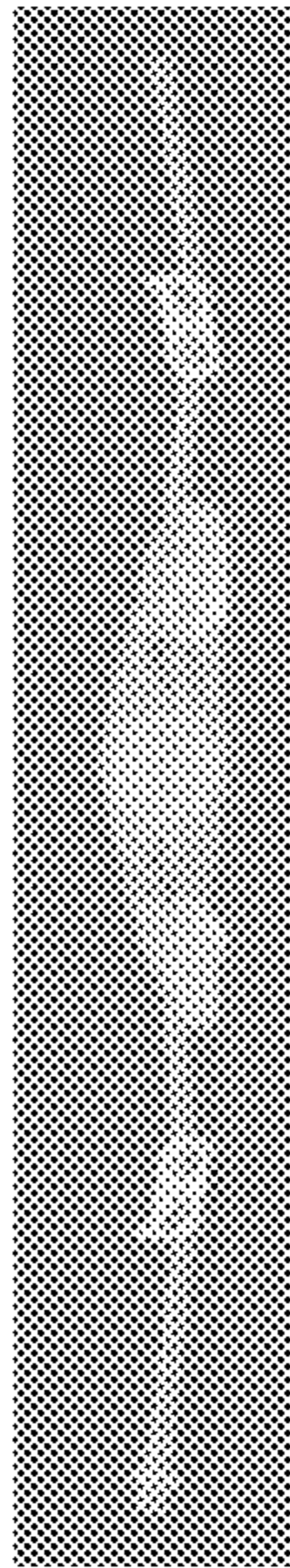




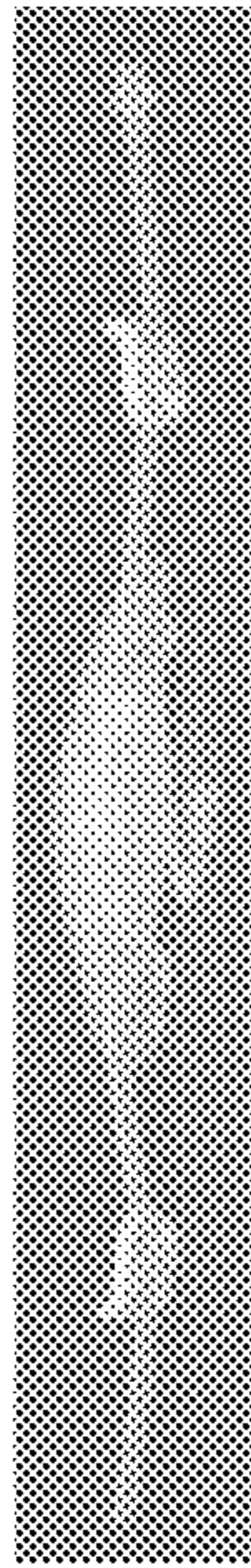
1.27

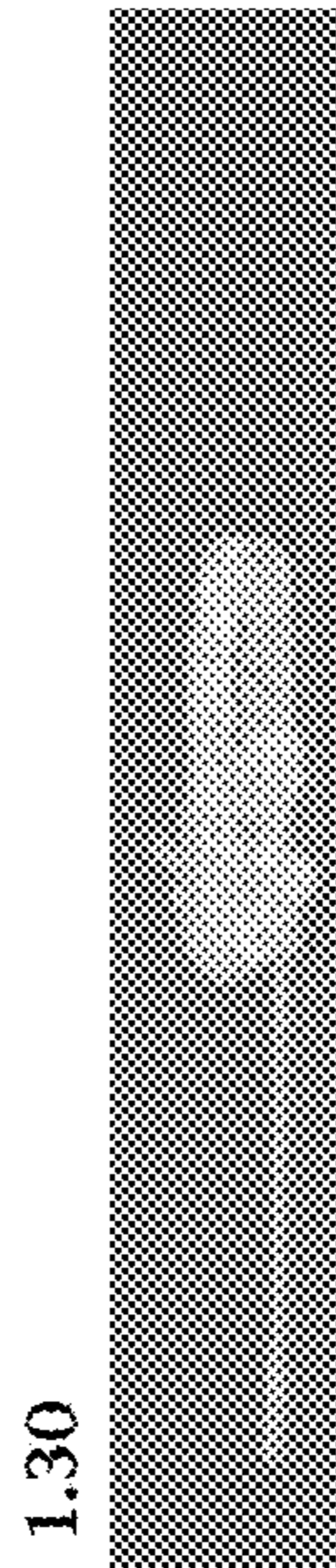


1.28

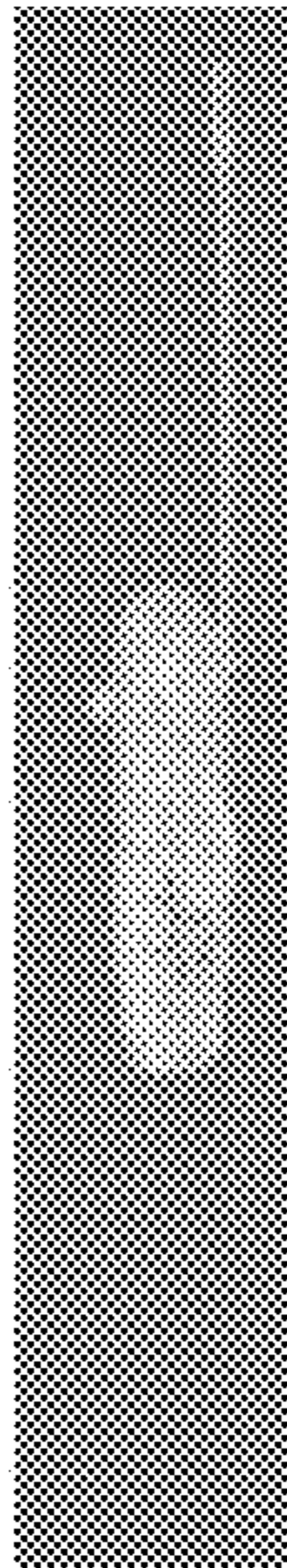


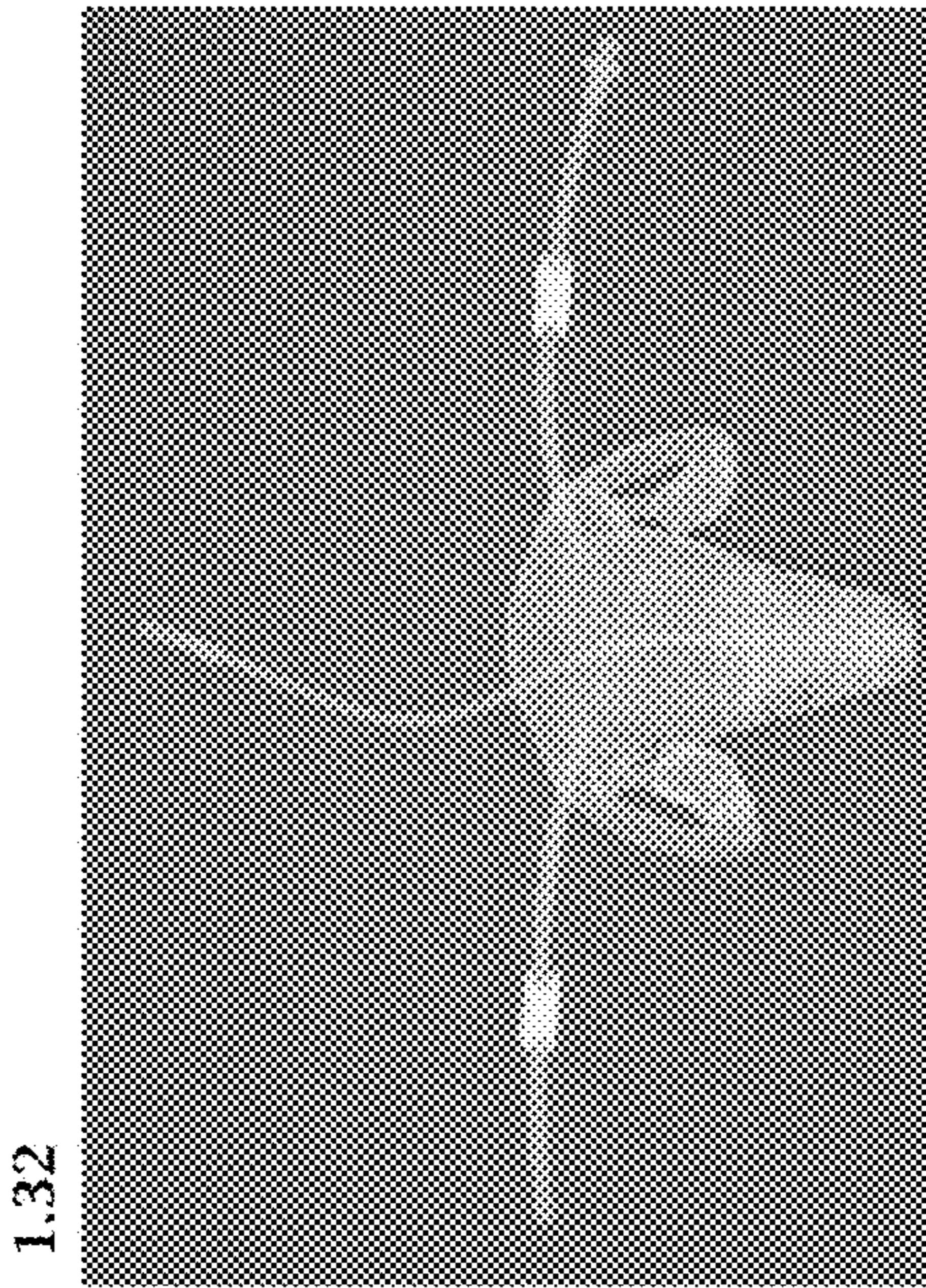
1.29

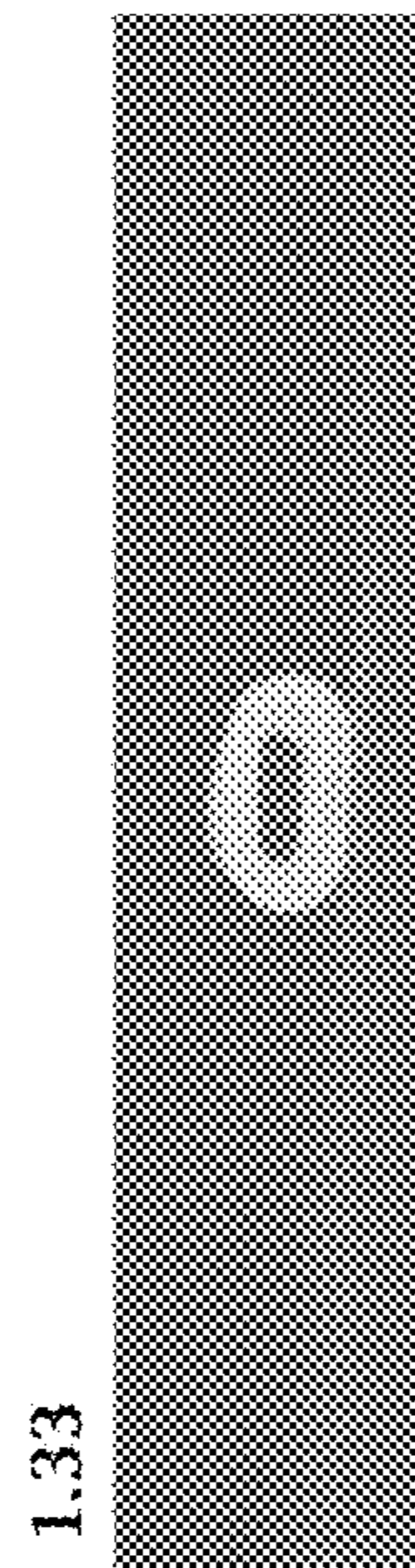




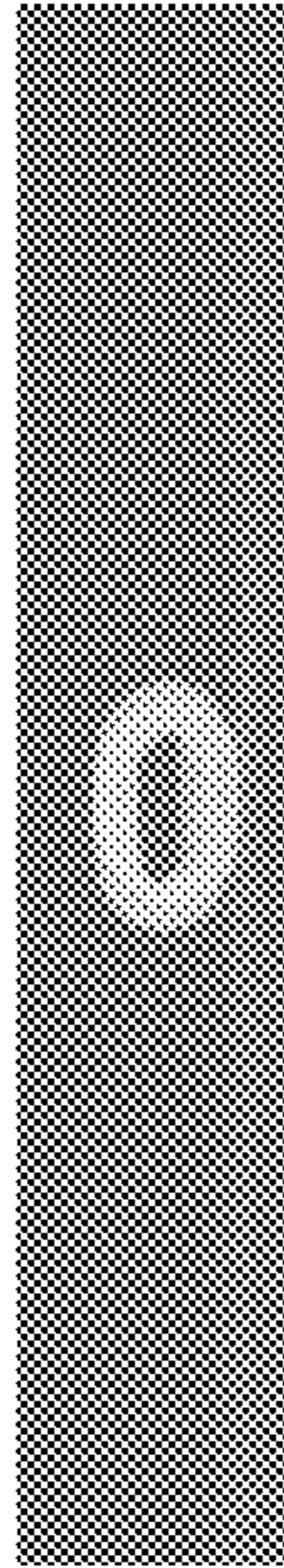
1.31



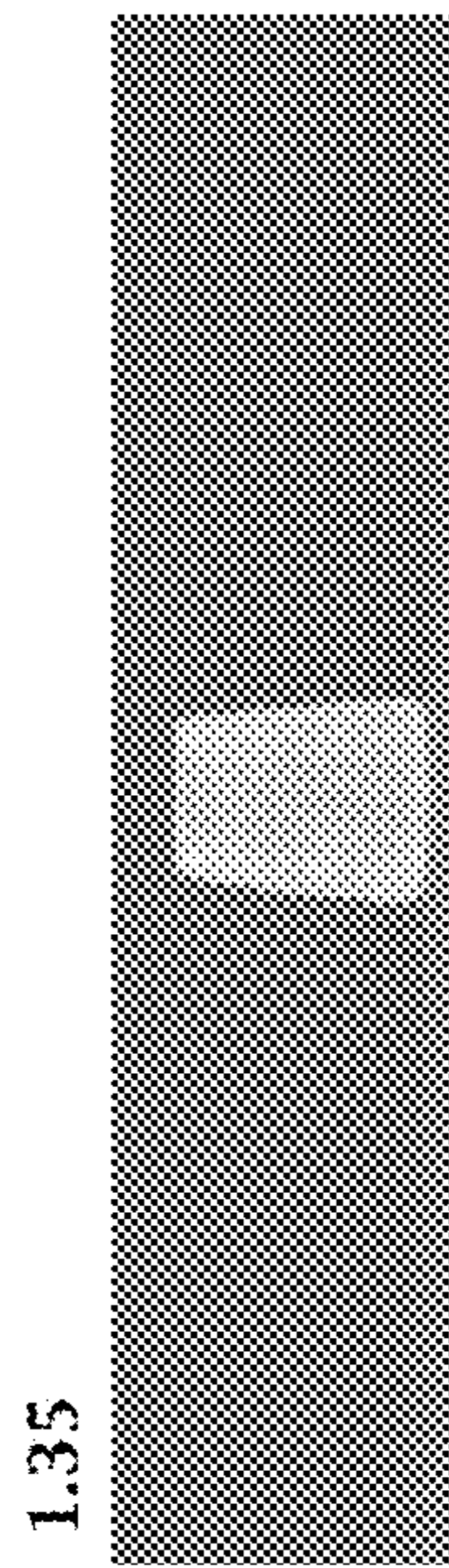




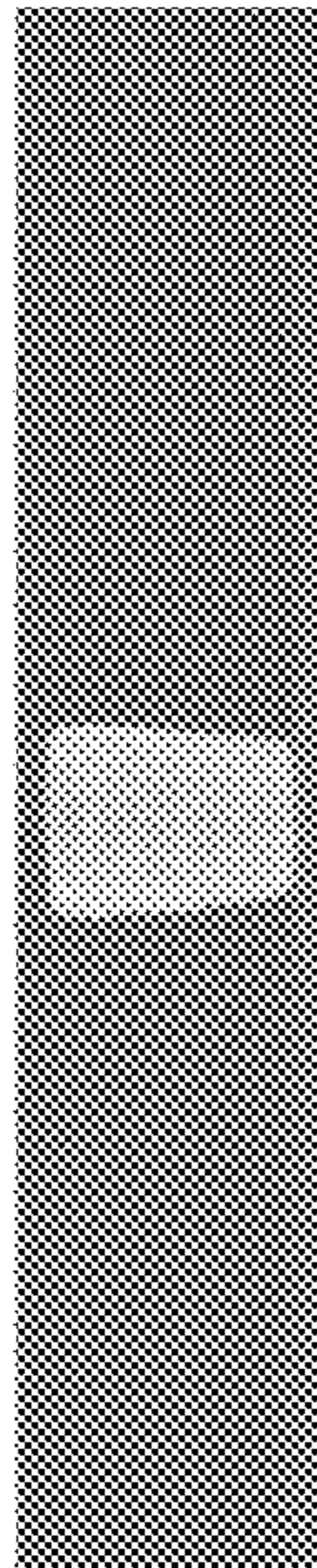
1.34



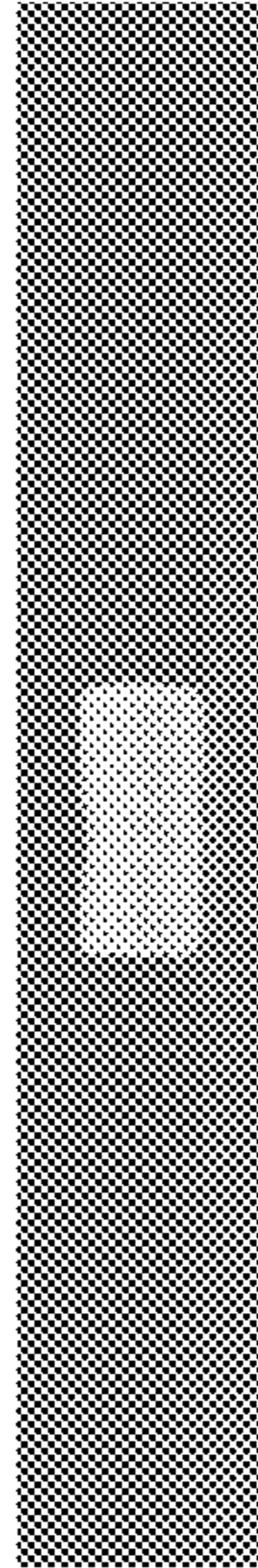


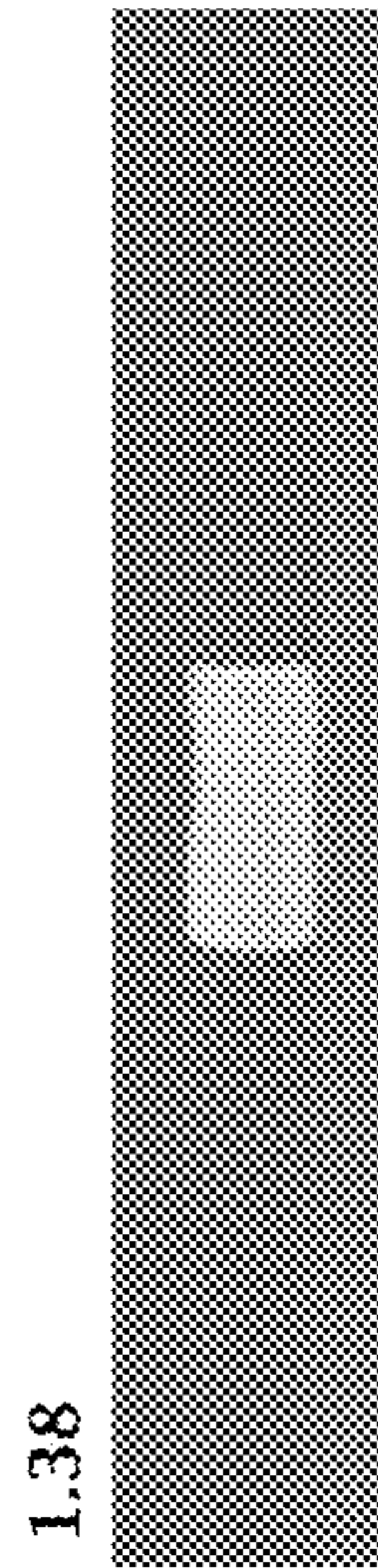


1.36

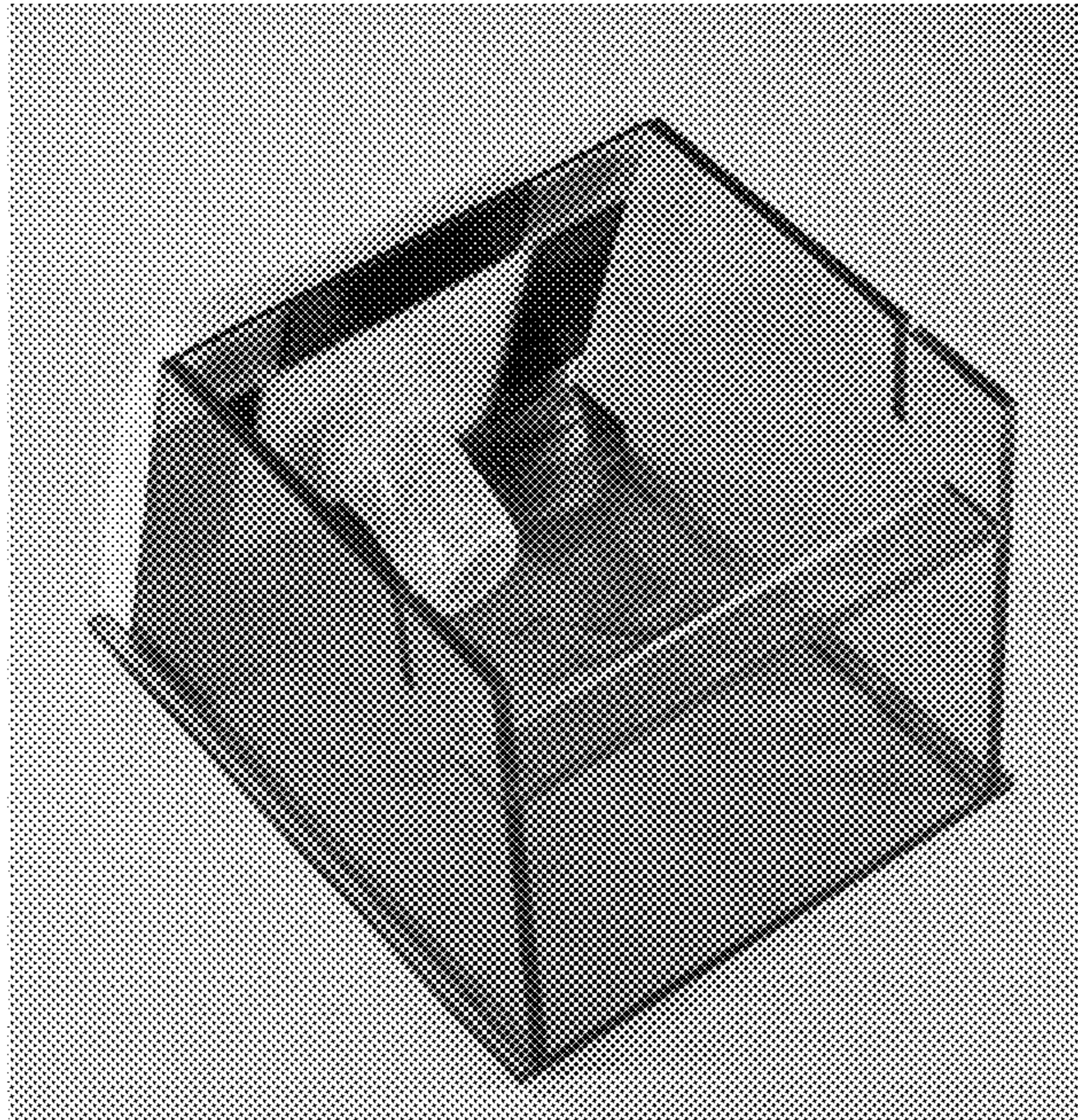


1.37

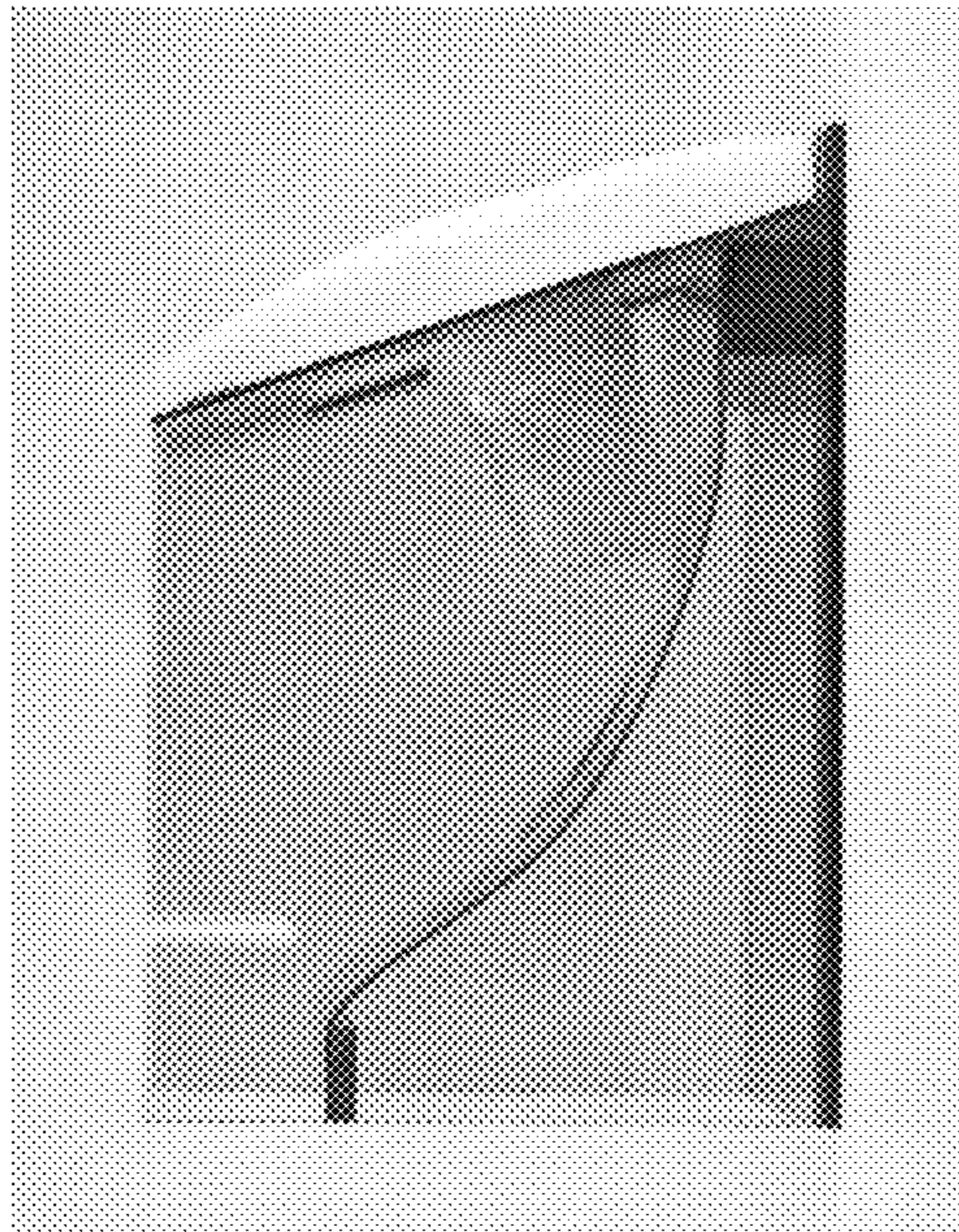




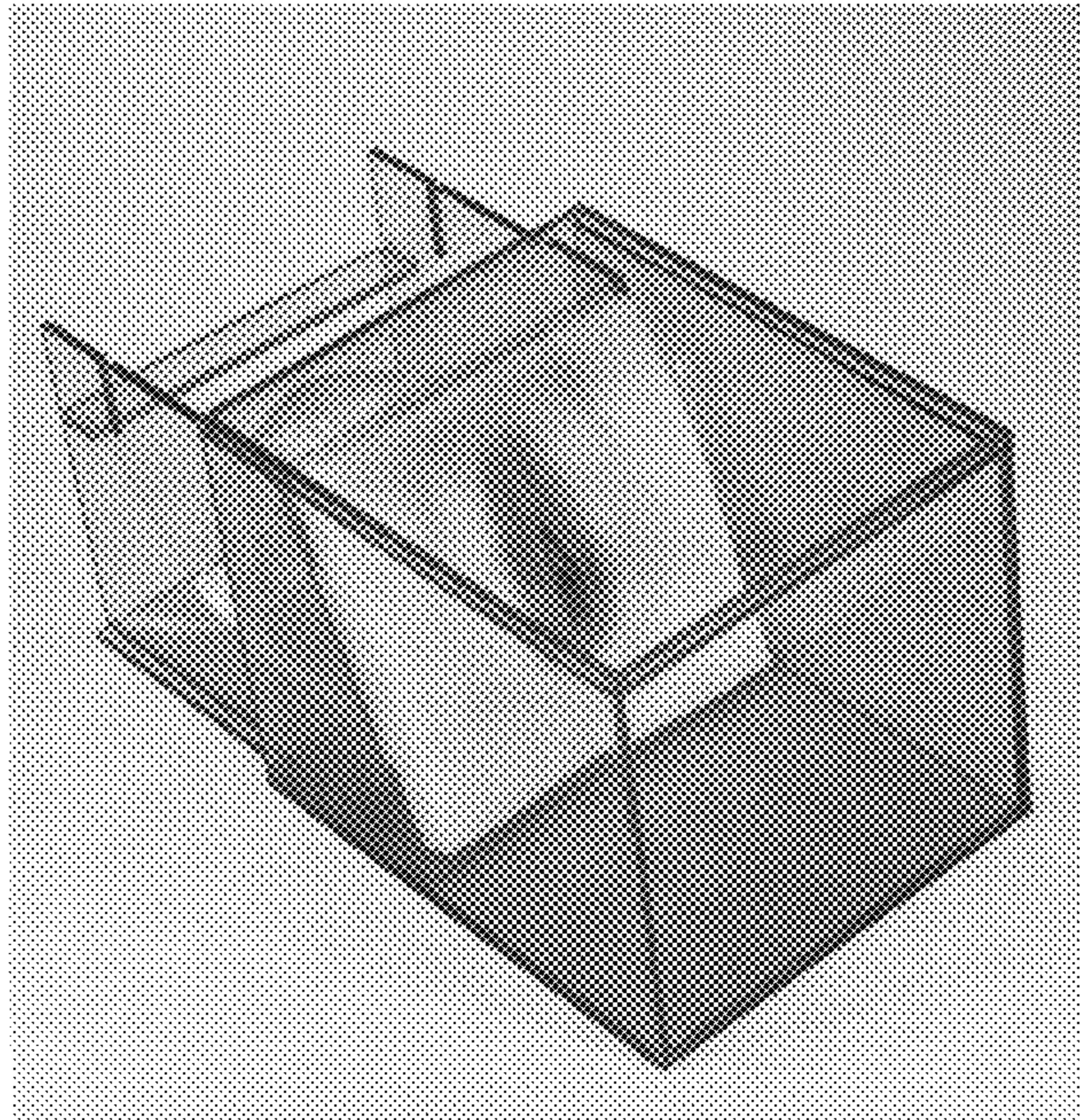
1.39



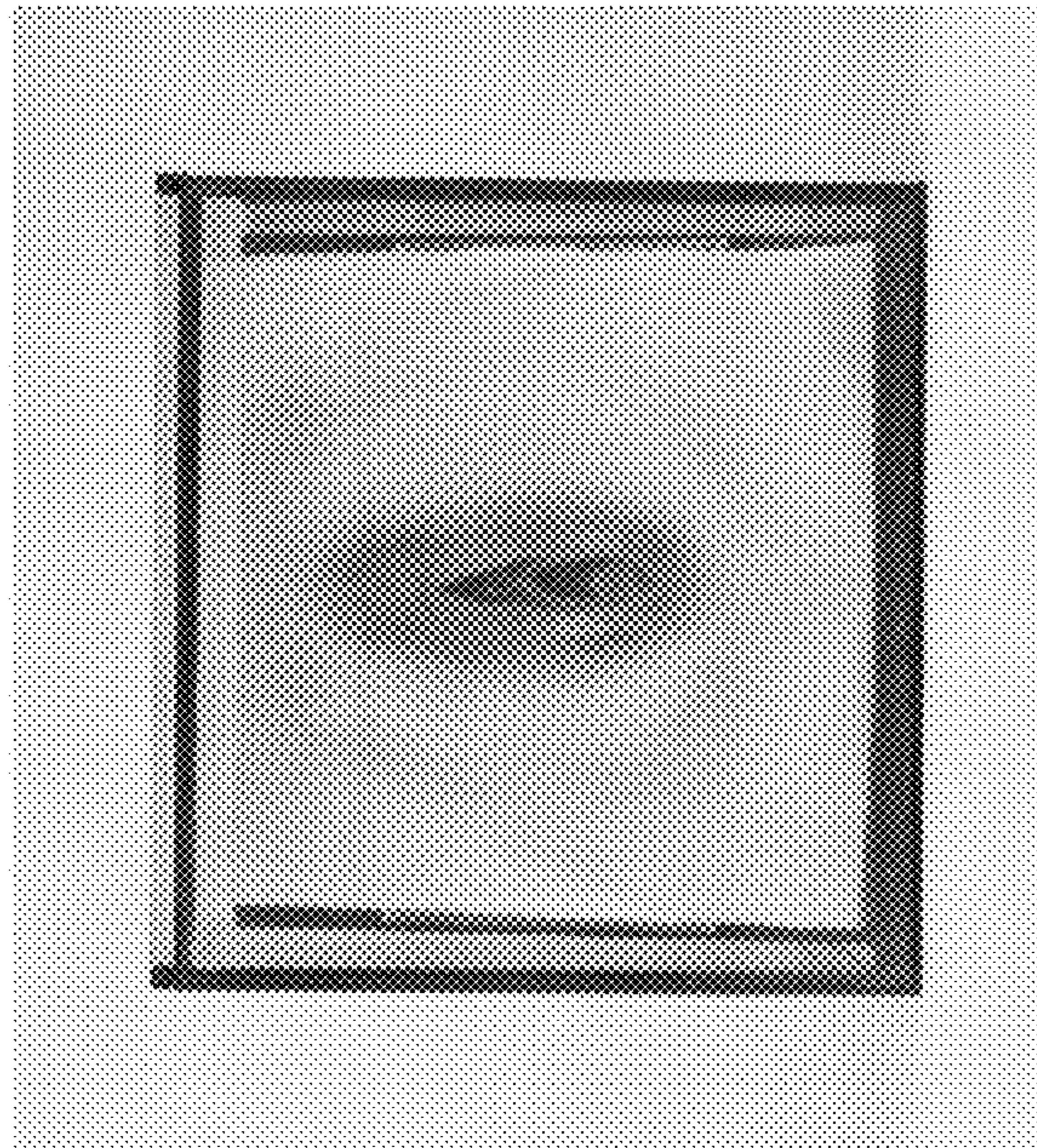
1.40



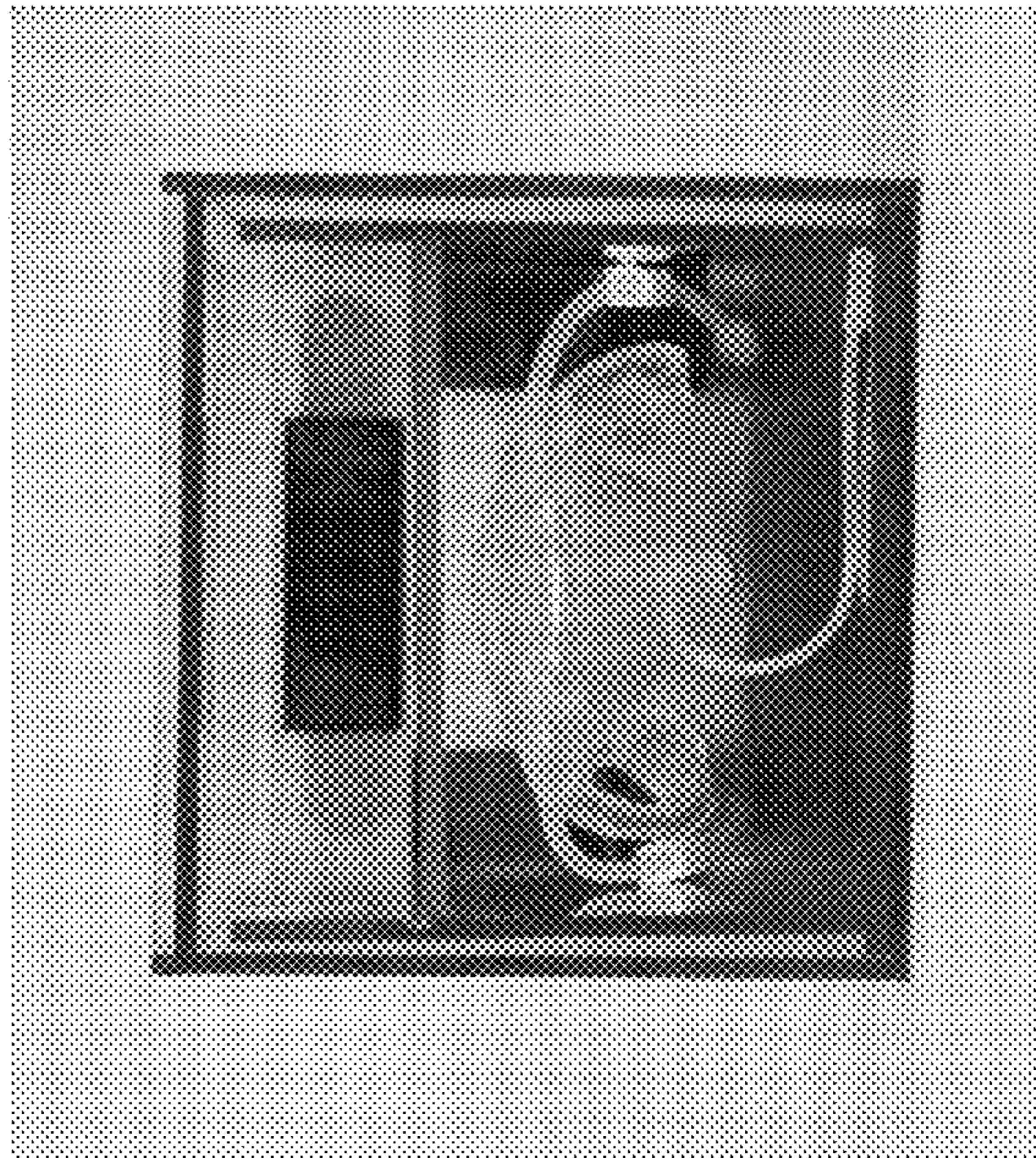
1.41



1.42







1.43