



US00D832320S

(12) **United States Design Patent** (10) **Patent No.:** **US D832,320 S**
Kamimura et al. (45) **Date of Patent:** **** Oct. 30, 2018**

(54) **ROLLER FOR MIRROR-FINISHING**

(56) **References Cited**

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Toyama (JP)

U.S. PATENT DOCUMENTS

(72) Inventors: **Daichi Kamimura,** Uozu (JP); **Shinya Miyauchi,** Uozu (JP); **Masaru Futamura,** Uozu (JP); **Mitsuru Mutou,** Uozu (JP)

D465,231 S * 11/2002 Jung D15/139
D465,502 S * 11/2002 Jung D15/139
D465,503 S * 11/2002 Jung D15/139
D478,104 S * 8/2003 Jung D15/139
D638,451 S * 5/2011 Wong D15/138

* cited by examiner

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Uozu, Toyama (JP)

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

(57) **CLAIM**

The ornamental design for a roller for mirror-finishing, as shown and described.

(21) Appl. No.: **35/502,332**

DESCRIPTION

(22) Filed: **Jul. 21, 2016**

(80) **Hague Agreement Data**

Int. Filing Date: **Jul. 21, 2016**
Int. Reg. No.: **DM/093103**
Int. Reg. Date: **Jul. 21, 2016**
Int. Reg. Pub. Date: **Jan. 27, 2017**

1. Roller for mirror-finishing

- 1.1 : Perspective
- 1.2 : Front
- 1.3 : Top
- 1.4 : Left
- 1.5 : Front view in use
- 1.6 : Back view in use
- 1.7 : Top view in use
- 1.8 : Bottom view in use
- 1.9 : Left view in use
- 1.10 : Right view in use
- 1.11 : Perspective view in use

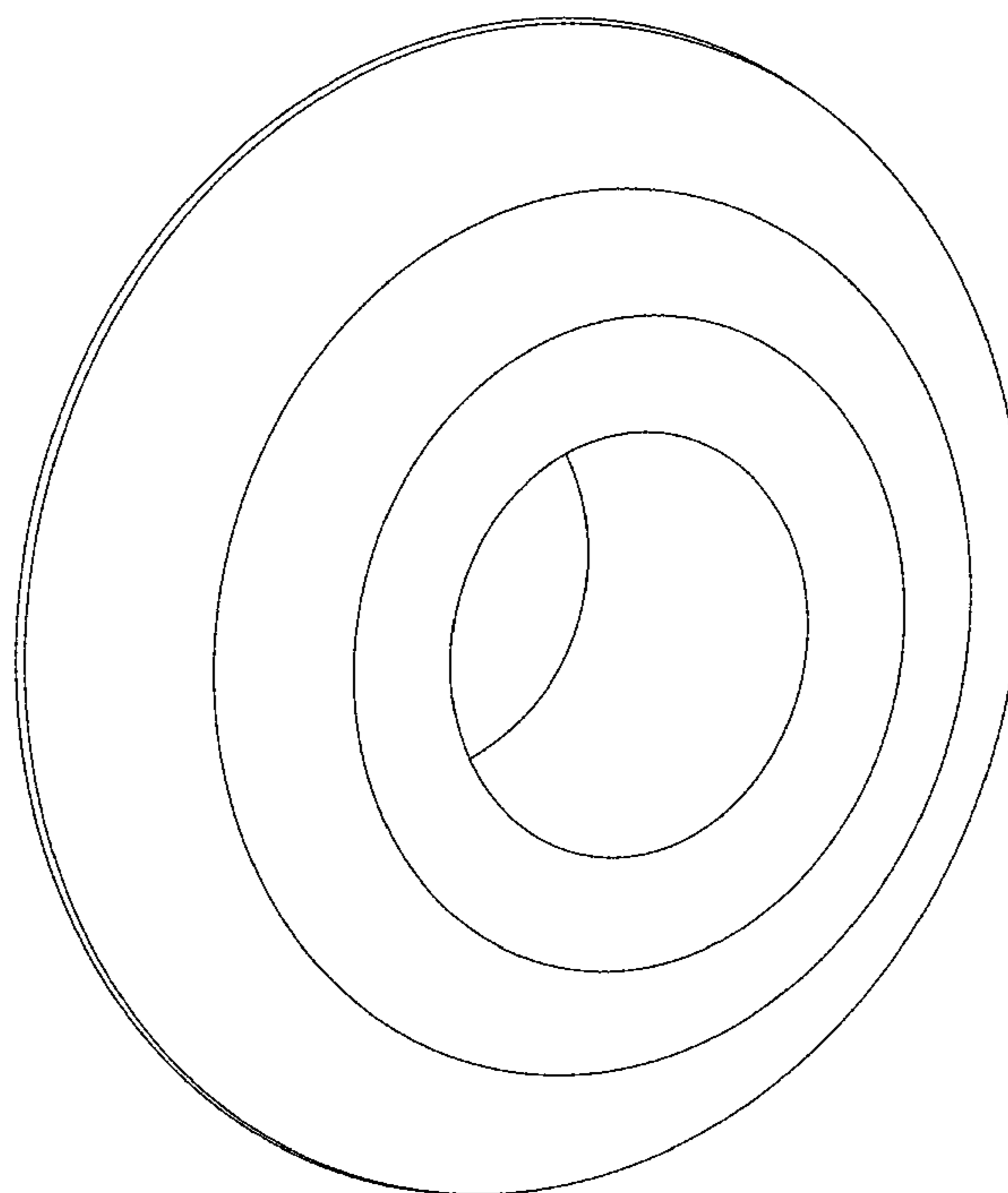
(51) **LOC (11) Cl.** **15-09**

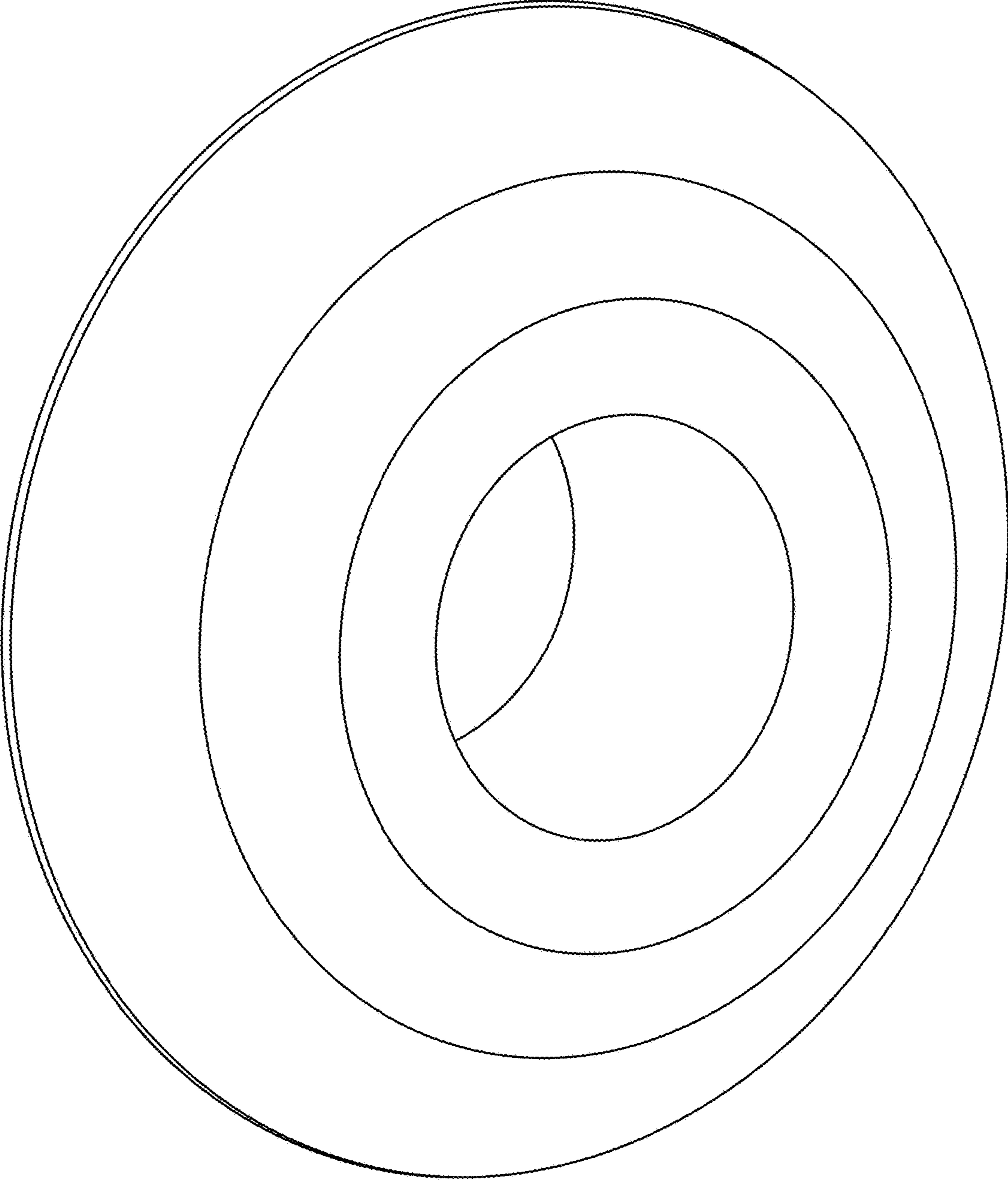
(52) **U.S. Cl.**
USPC **D15/139**
CPC **B24B 3/08 (2013.01)**

(58) **Field of Classification Search**
USPC D8/14, 51, 70, 98; D15/138, 139, 143;
83/676, 886; 30/319, 355; 225/96
CPC B24B 3/08; B24B 3/46; B24B 56/08
See application file for complete search history.

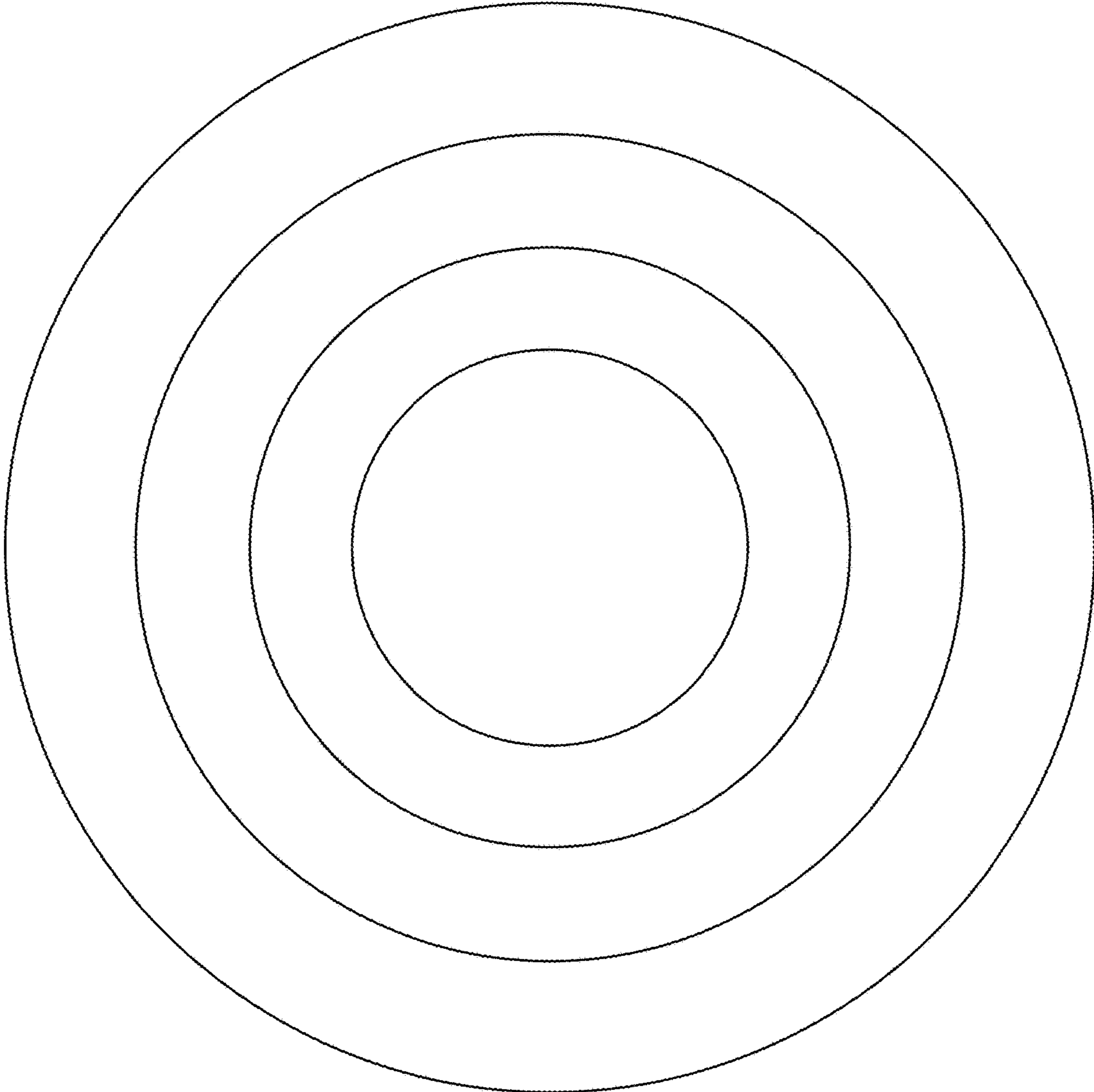
The broken line showing of a roller for mirrorfinishing is for the purpose of illustrating environmental structure and forms no part of the claimed design.

1 Claim, 11 Drawing Sheets





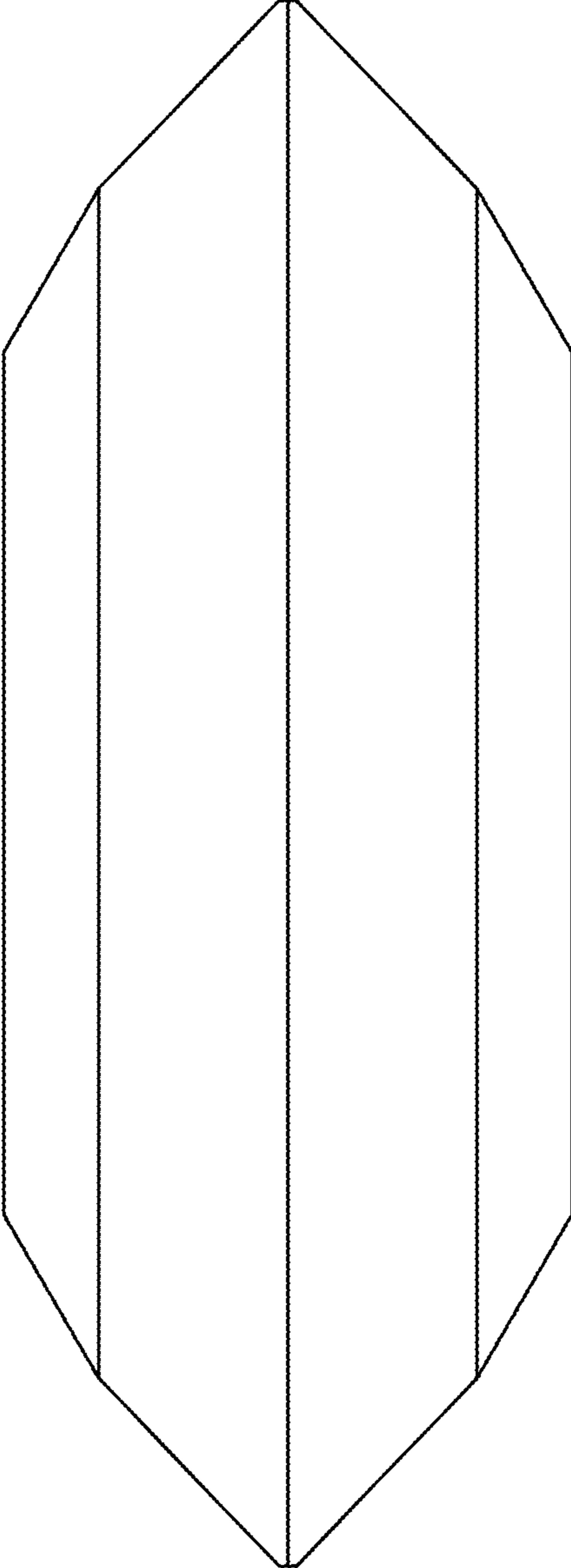
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1.2



1.3



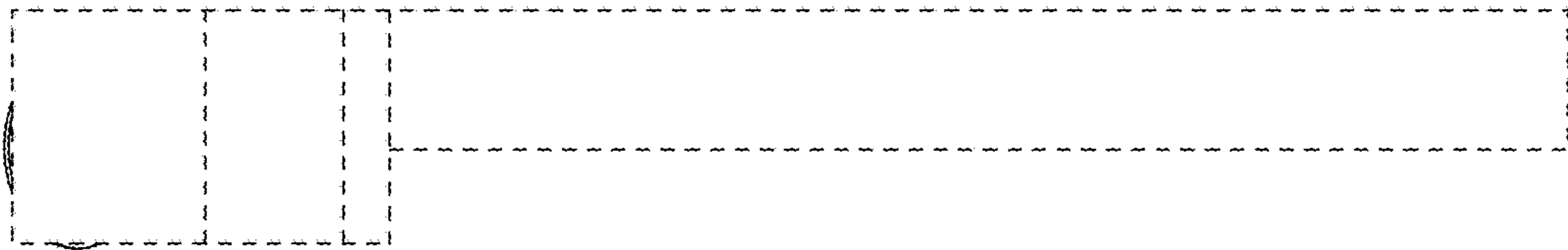
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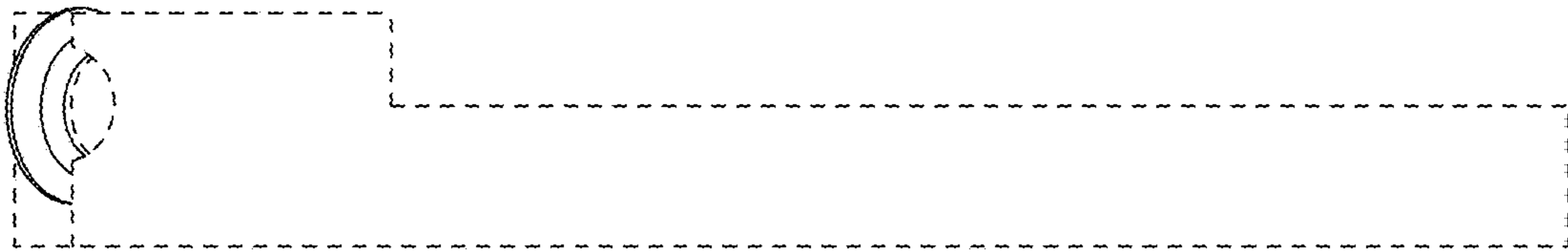
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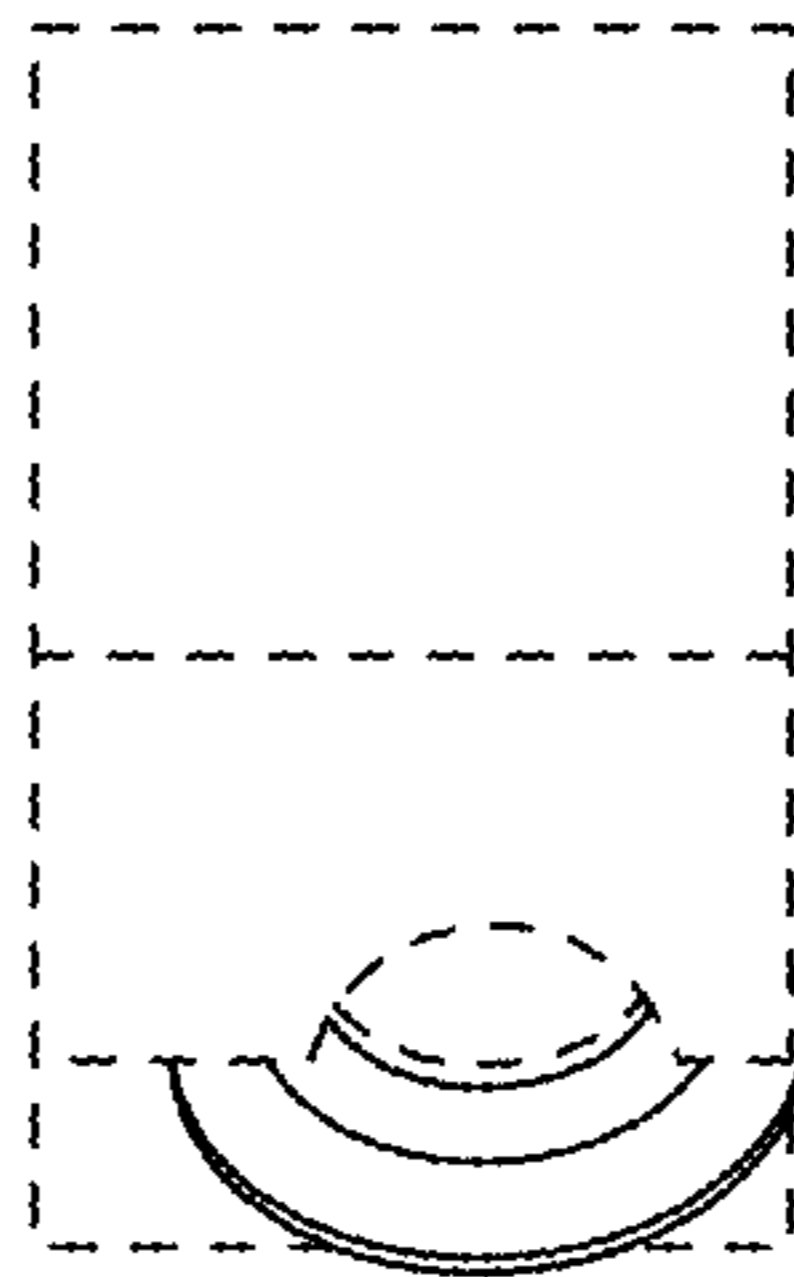
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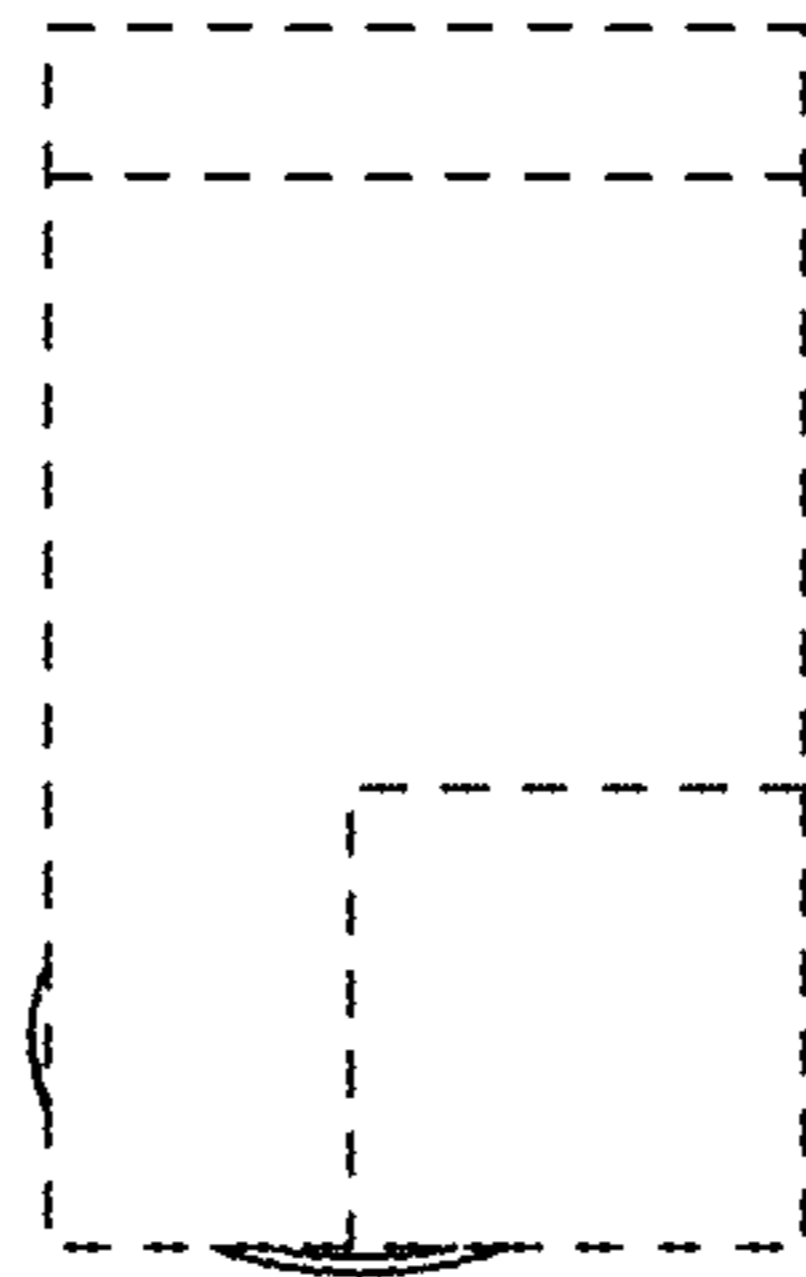
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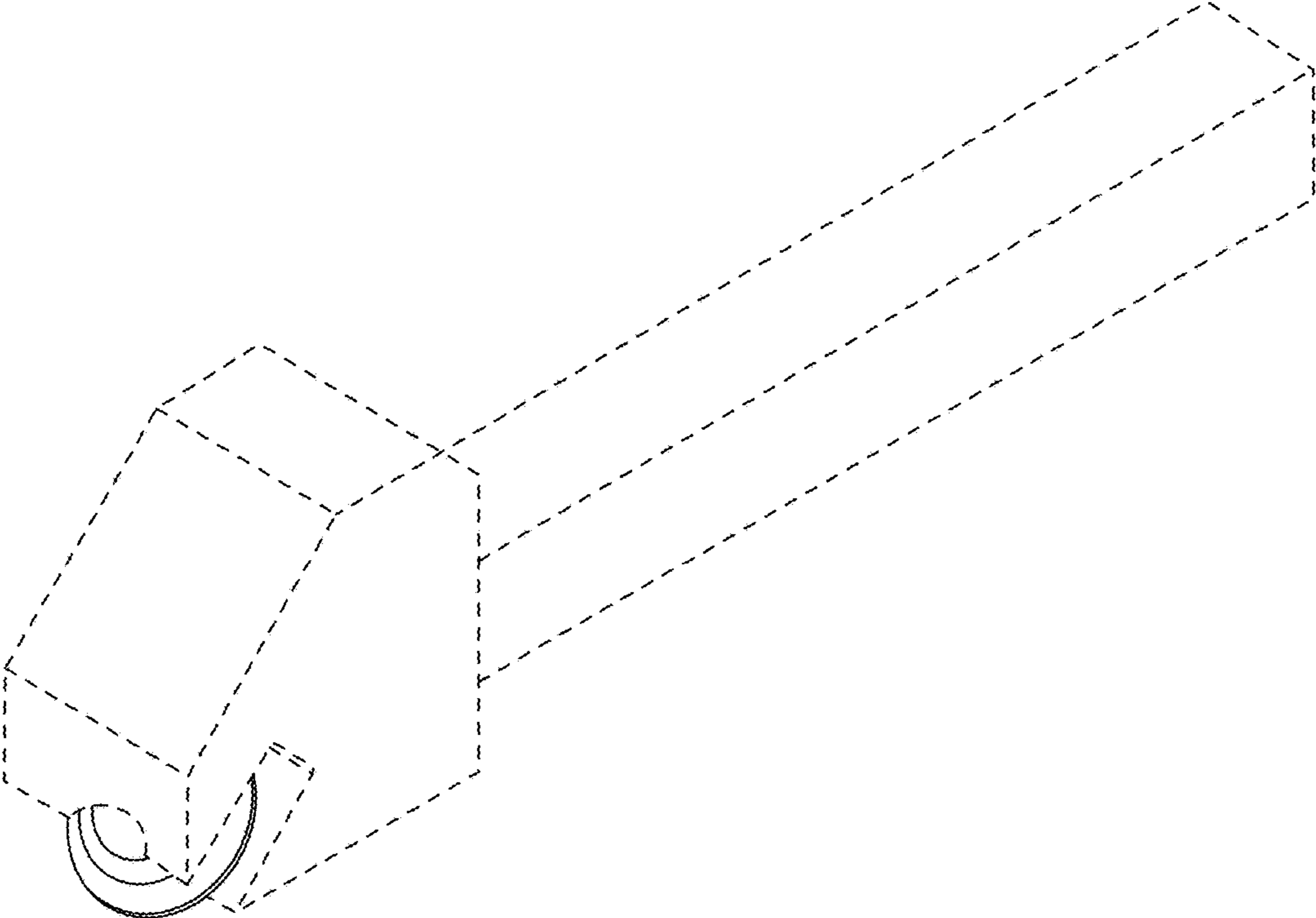
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1.9



1.10



1.11