



US00D890324S

(12) **United States Design Patent**  
**Xu**

(10) **Patent No.:** **US D890,324 S**

(45) **Date of Patent:** **\*\* Jul. 14, 2020**

(54) **FAN**

(71) Applicant: **ShenZhen TopSharp Precision Electronics Co., Ltd., Shenzhen (CN)**

(72) Inventor: **Wenlong Xu, Shenzhen (CN)**

(73) Assignee: **SHENZHEN TOPSHARP PRECISION ELECTRONICS CO., LTD., Shenzhen (CN)**

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

(21) Appl. No.: **29/677,993**

(22) Filed: **Jan. 25, 2019**

(30) **Foreign Application Priority Data**

Jul. 30, 2018 (CN) ..... 2018 3 0415187

(51) **LOC (12) Cl.** ..... **23-04**

(52) **U.S. Cl.**  
USPC ..... **D23/382**

(58) **Field of Classification Search**

USPC ..... D23/200, 314, 333, 334, 351, 355, 370,  
D23/383, 359, 364, 365, 371-373, 376,  
D23/381-382, 384-387, 393, 399, 411,  
D23/499, 335

CPC ..... F04D 25/08; F04D 25/084; F04D 29/40;  
F04D 29/4226; F04D 29/52; F04D 19/00;  
F04D 19/002

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D387,153 S \* 12/1997 Fok ..... D23/332  
D449,373 S \* 10/2001 Pinchuk ..... D23/382  
D464,420 S \* 10/2002 Tolar ..... D23/382  
D510,994 S \* 10/2005 Indio Da Costa ..... D23/382  
D674,476 S \* 1/2013 Junkel ..... D23/370  
D684,249 S \* 6/2013 Herbst ..... D23/370  
D721,431 S \* 1/2015 Herbst ..... D23/382

D807,487 S \* 1/2018 Delerue ..... D23/382  
D824,012 S \* 7/2018 Xu ..... D23/382  
D825,048 S \* 8/2018 Breit ..... D23/382  
D841,796 S \* 2/2019 Freeland ..... D23/382  
D855,171 S \* 7/2019 Xu ..... D23/382  
D862,679 S \* 10/2019 Zhou ..... D23/380

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 208950937 U \* 6/2019 ..... F04D 25/08

**OTHER PUBLICATIONS**

Folding fan. (Design—© Questel) orbit.com. [online PDF] 134 pgs. Print Dates range Apr. 8, 2015 through May 15, 2020. [retrieved Jun. 4, 2020] <https://www.orbit.com/export/QPTUJ214/pdf2/55b30317-920c-46b6-83ff-99fdfe58ac9c-012907.pdf>.\*

*Primary Examiner* — Marie D. Fast Horse

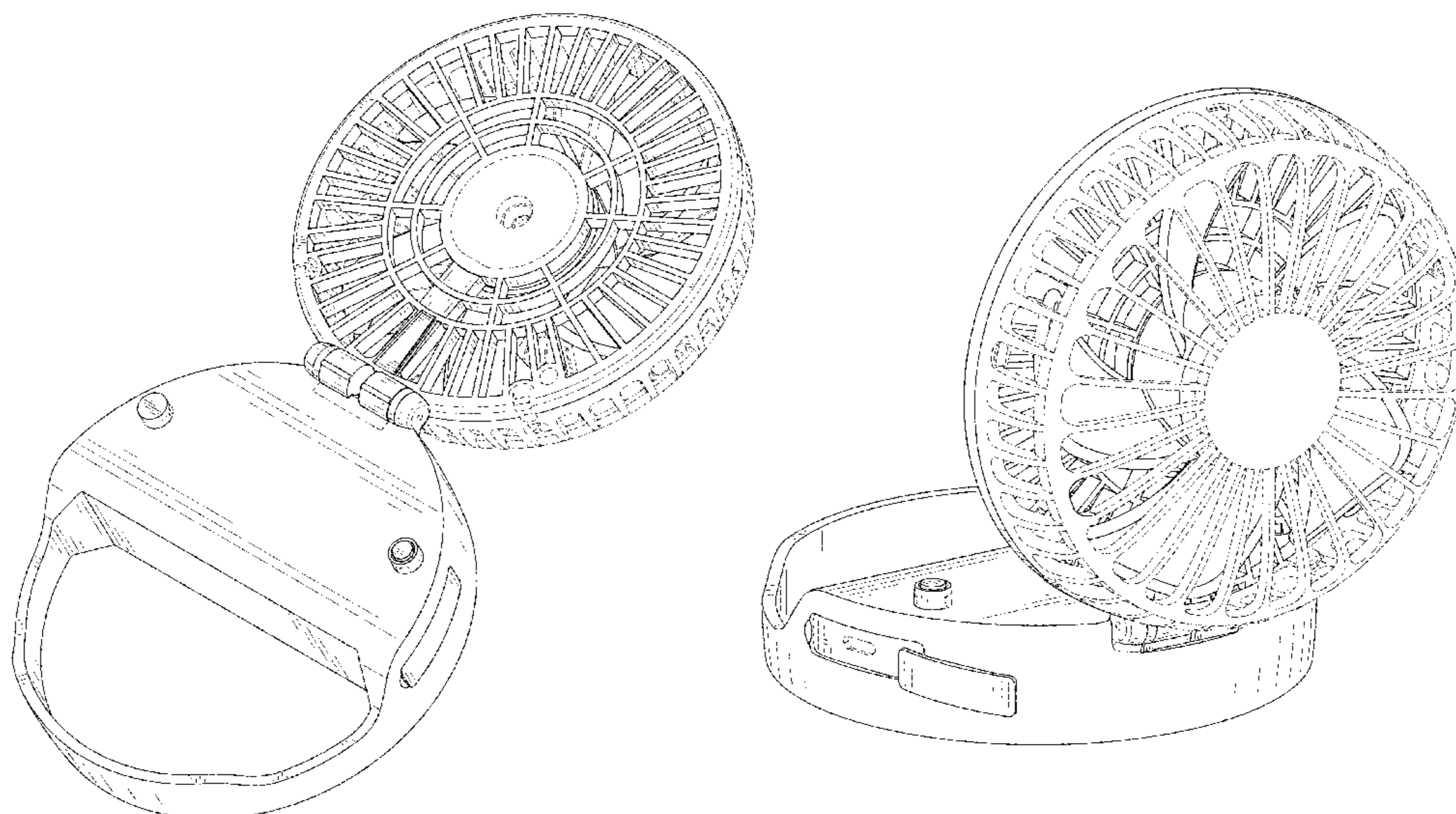
(57) **CLAIM**

The ornamental design for a fan, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevational view of the fan showing my new design;  
FIG. 2 is a rear elevational view thereof;  
FIG. 3 is a left side elevational view thereof;  
FIG. 4 is a right side elevational view thereof;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a bottom plan view thereof;  
FIG. 7 is a perspective view thereof, showing the fan in a first state;  
FIG. 8 is similar to FIG. 7, viewed from another aspect;  
FIG. 9 is similar to FIG. 7, showing the fan in a second state; and,  
FIG. 10 is similar to FIG. 7, showing the fan in a third state. The broken lines in the drawings depict portions of the fan that form no part of the claimed design.

**1 Claim, 10 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

10,436,206 B2 \* 10/2019 Freeland ..... F04D 29/601  
D881,371 S \* 4/2020 Hollinger ..... D23/382  
D884,146 S \* 5/2020 Hollinger ..... D23/382

\* cited by examiner

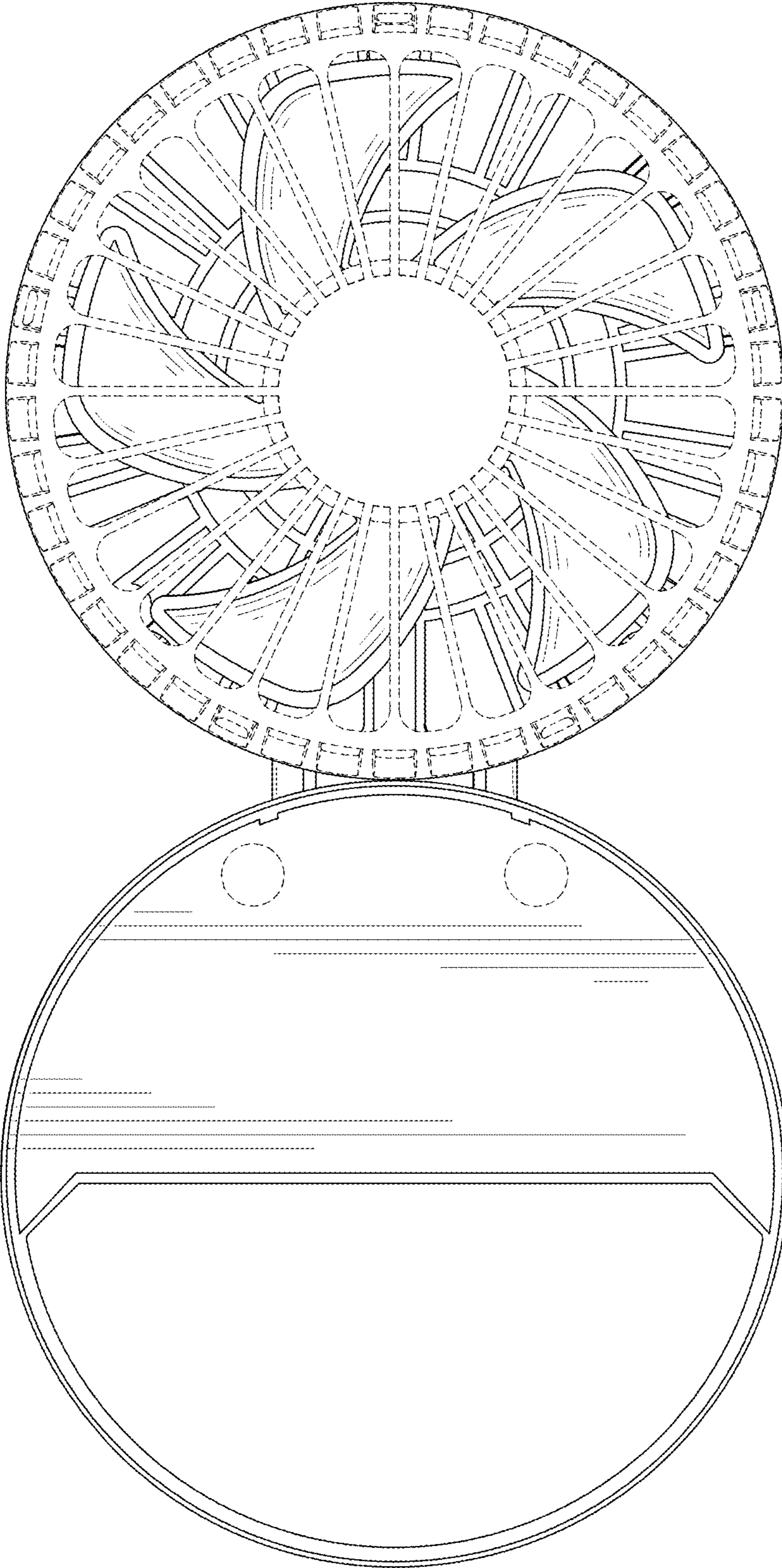


FIG. 1

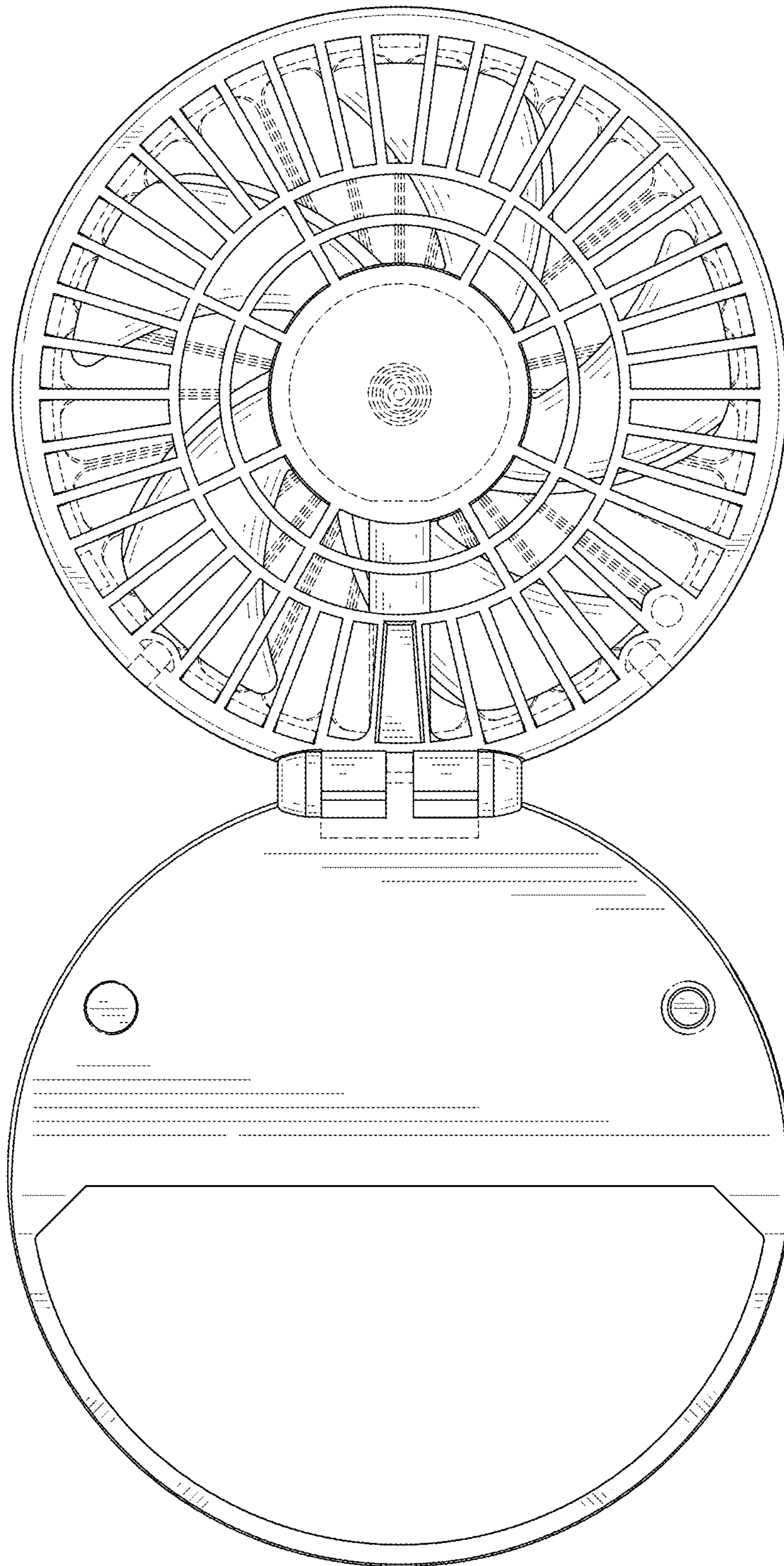


FIG. 2

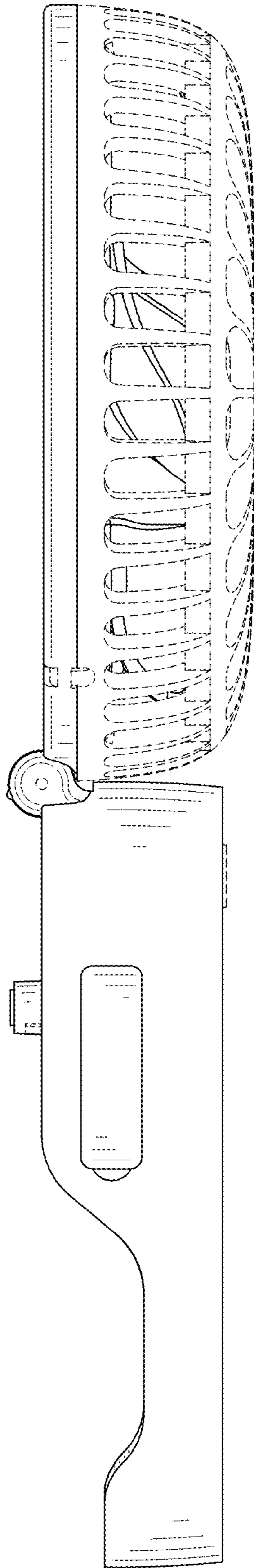


FIG. 3

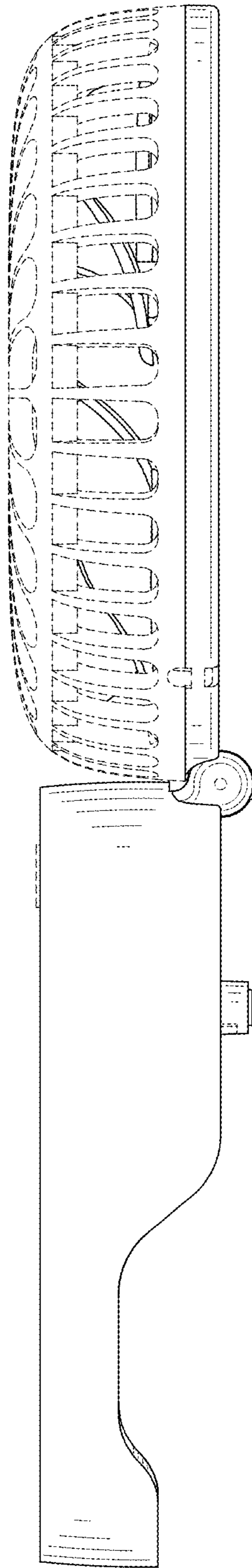


FIG. 4

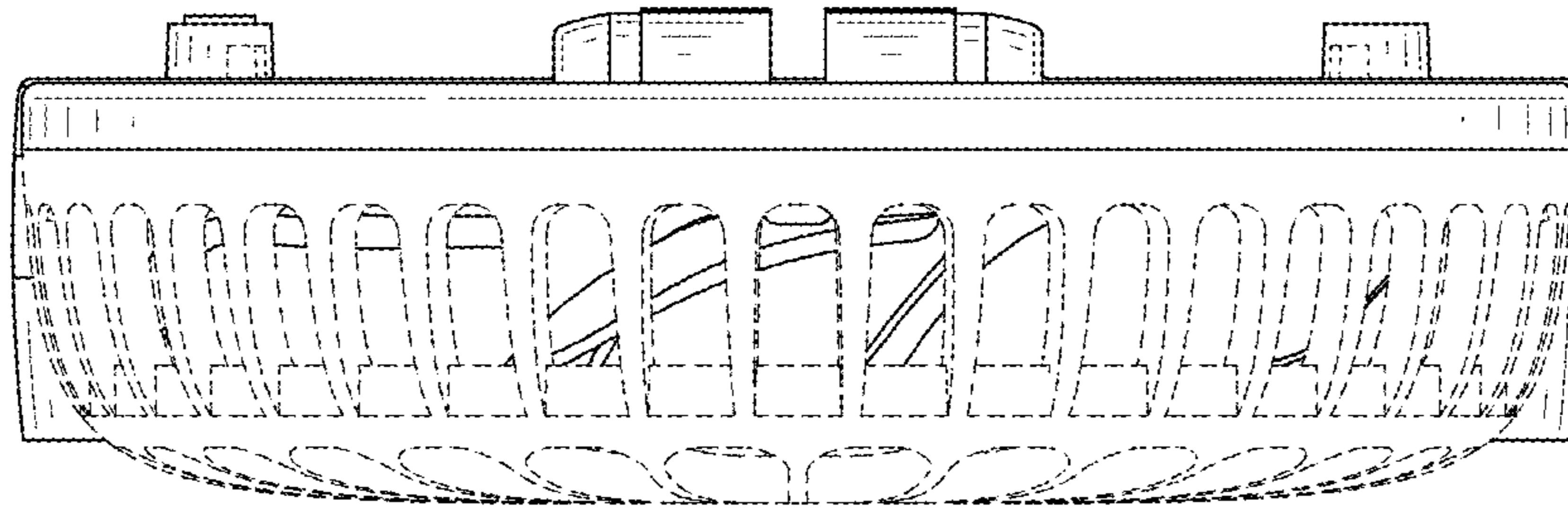


FIG. 5

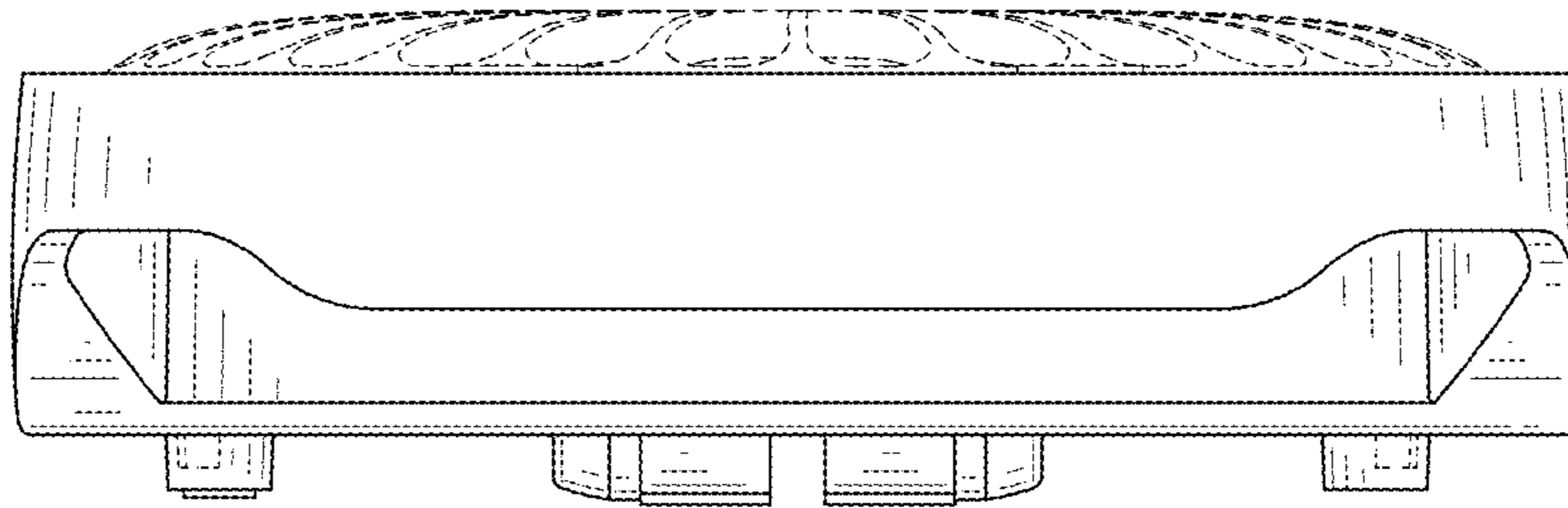


FIG. 6



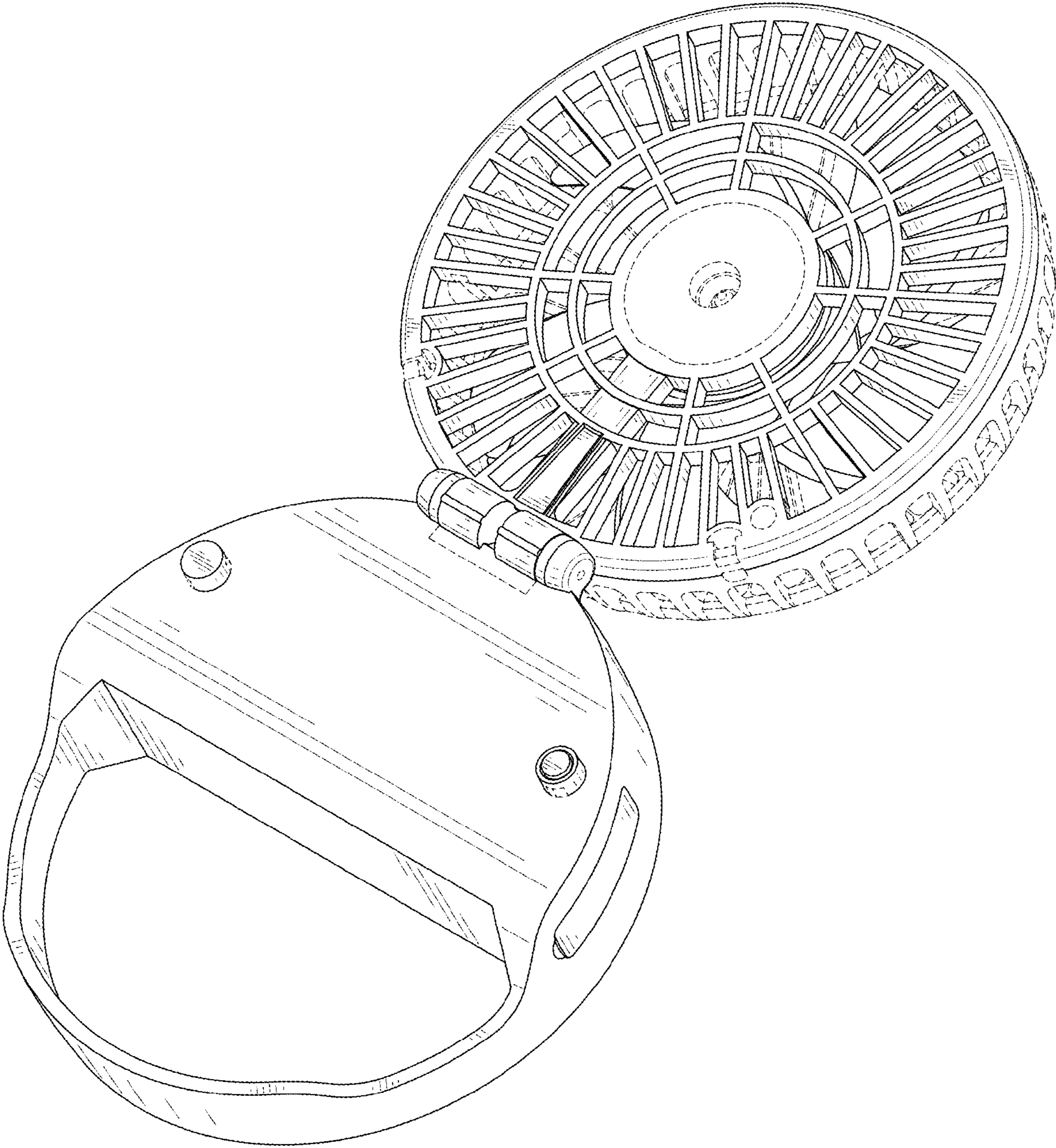


FIG. 7

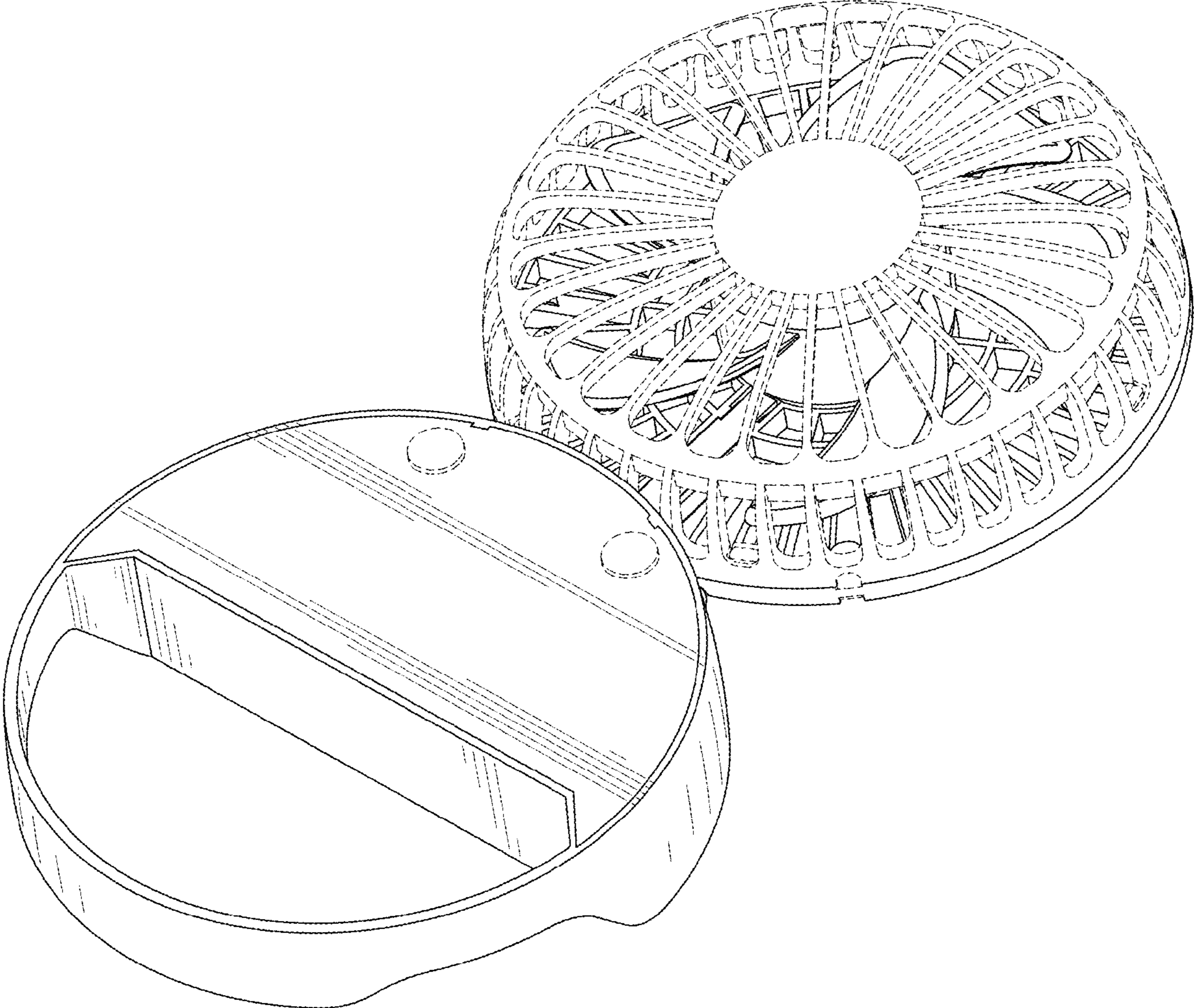


FIG. 8

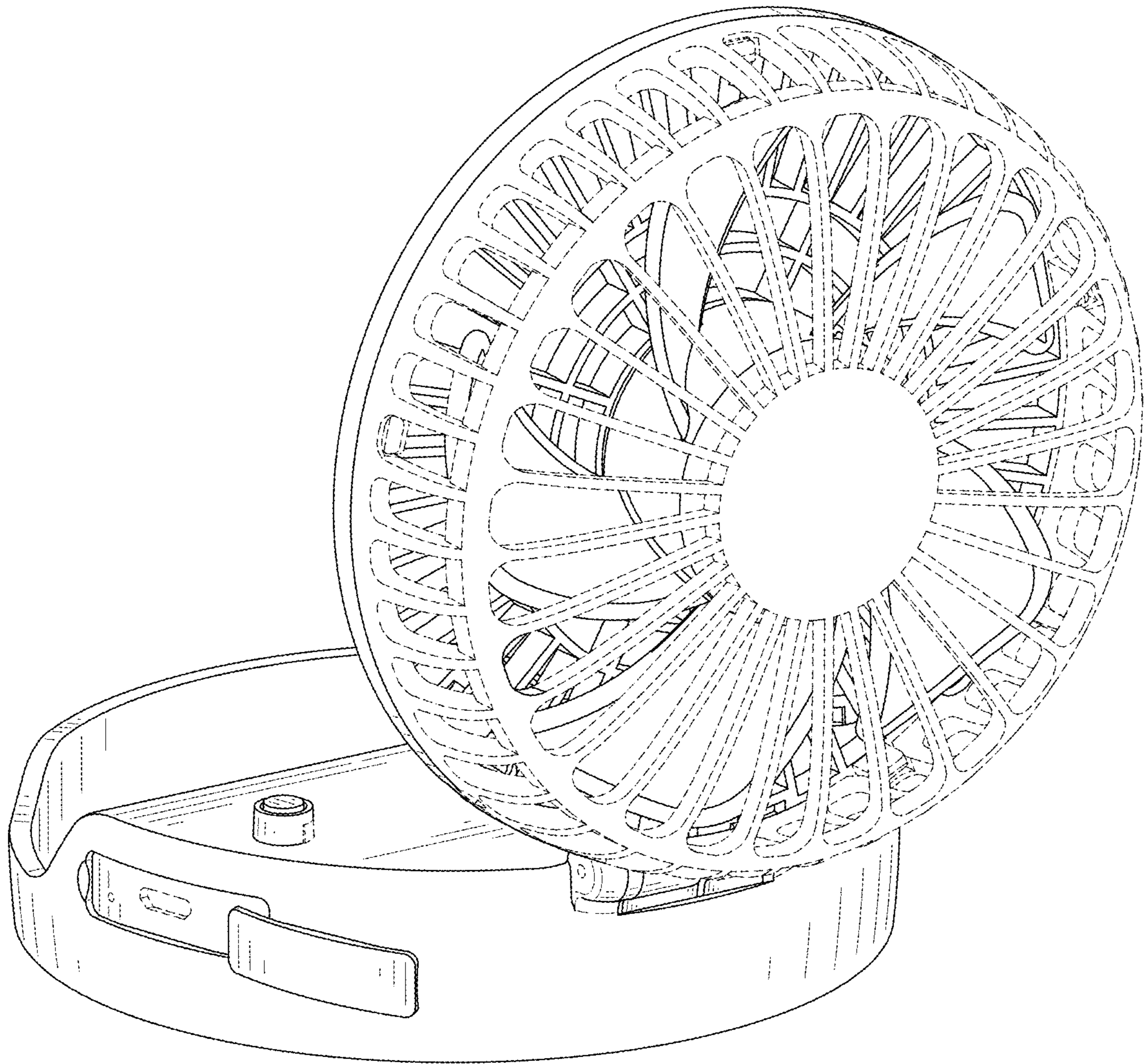


FIG. 9

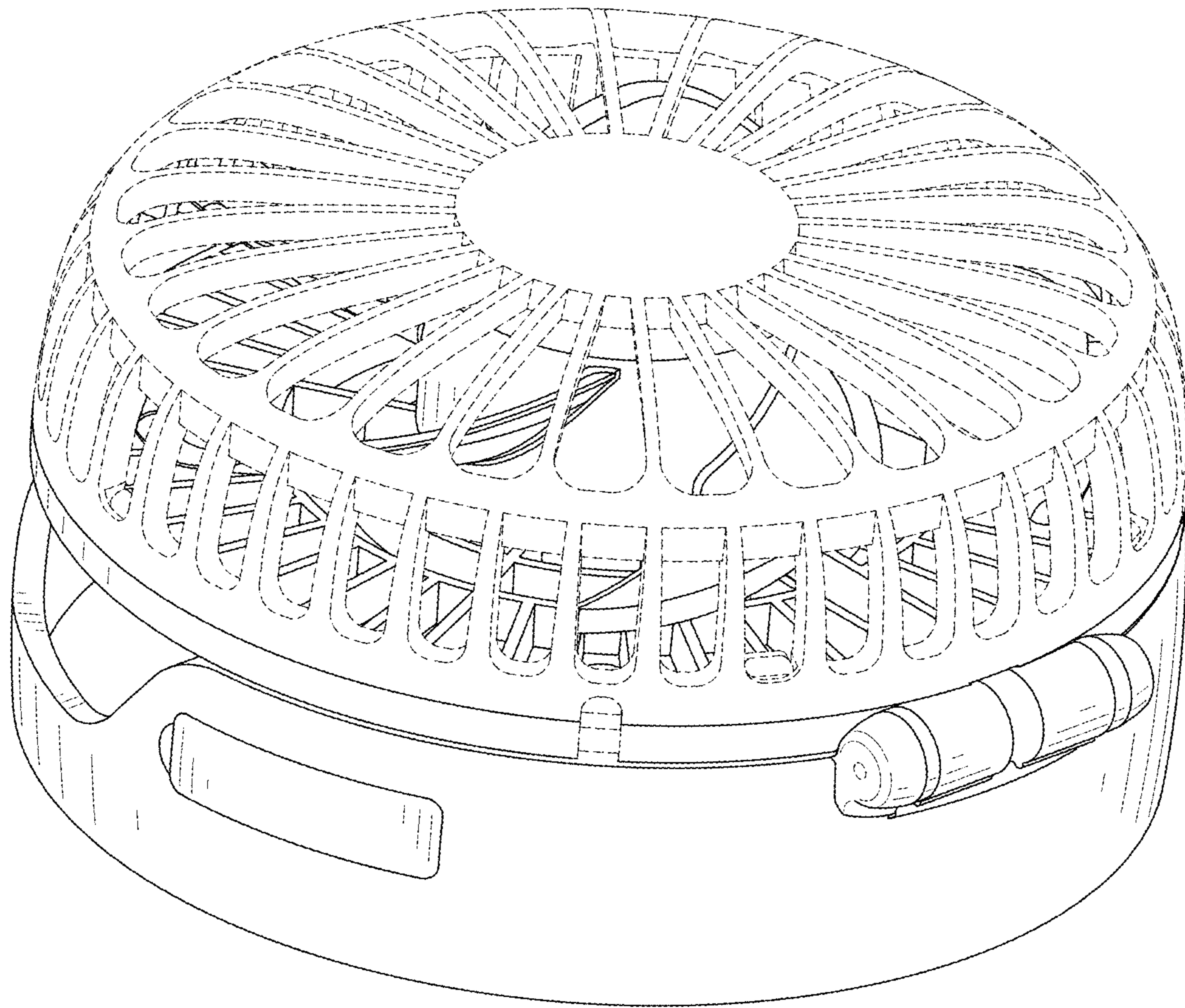


FIG. 10