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

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(45) **Date of Patent:** **** Nov. 8, 2022**

(54) **BOSS ON NOZZLE BORES OF A DRILL BIT**

DESCRIPTION

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(US)
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Houston, TX (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/704,996**
- (22) Filed: **Sep. 9, 2019**
- (51) **LOC (13) Cl.** **15-09**
- (52) **U.S. Cl.**
USPC **D15/139**
- (58) **Field of Classification Search**
USPC D15/138, 139
CPC E21B 10/43; E21B 10/46; E21B 10/54;
E21B 10/62
See application file for complete search history.

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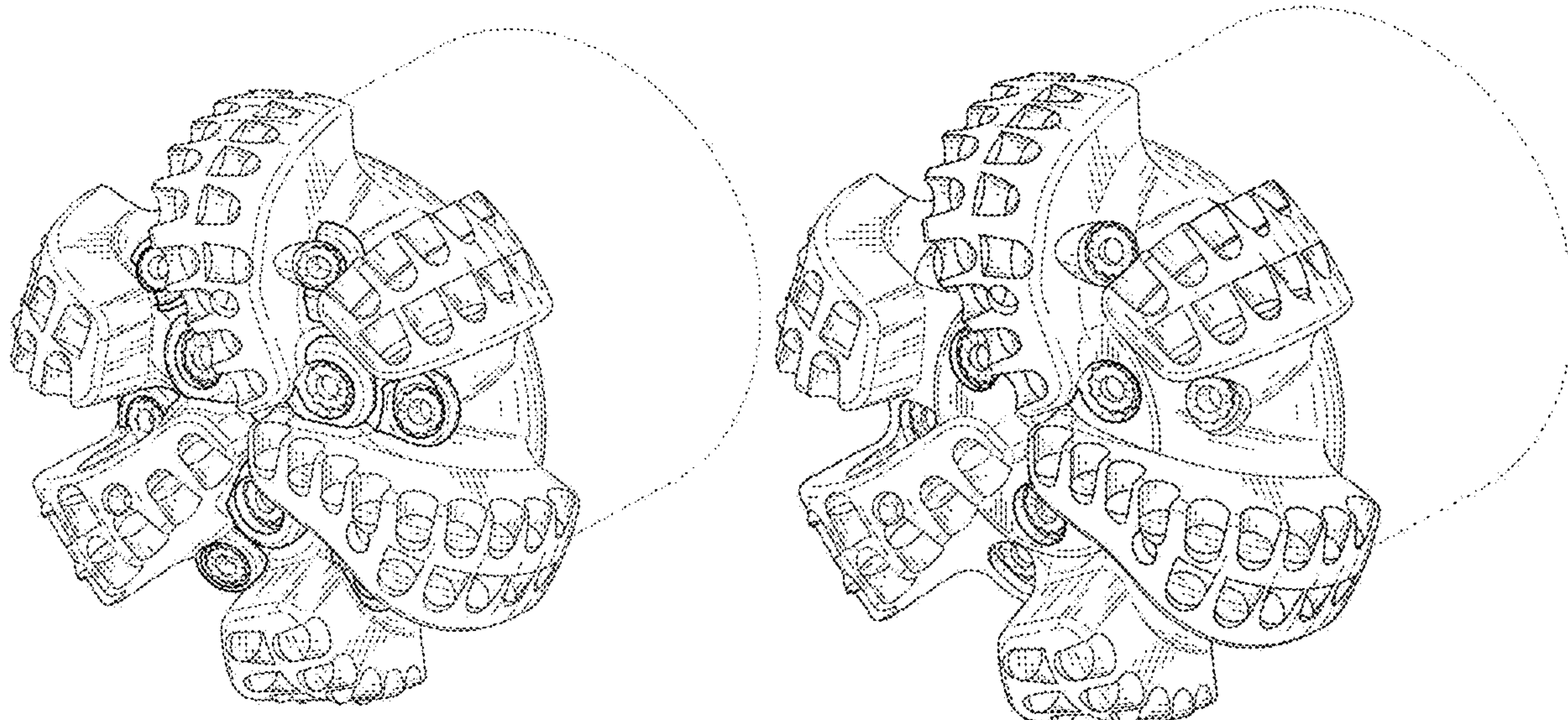
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 & Guerra

(57) **CLAIM**

I claim the ornamental design for a boss on nozzle bores of a drill bit, as shown and described.

FIG. 1 is a bottom view diagram of a first embodiment of a boss on nozzle bores of a drill bit.
 FIG. 2 is an elevation diagram of the boss on nozzle bores of a drill bit of FIG. 1.
 FIG. 3 is a first side view diagram of the boss on nozzle bores of a drill bit of FIG. 1.
 FIG. 4 is a second side view diagram the boss on nozzle bores of a drill bit of FIG. 1.
 FIG. 5 is a third side view diagram the boss on nozzle bores of a drill bit of FIG. 1.
 FIG. 6 is a fourth side view diagram the boss on nozzle bores of a drill bit of FIG. 1.
 FIG. 7 is a bottom view diagram of a second embodiment a boss on nozzle bores of a drill bit.
 FIG. 8 is an elevation diagram the boss on nozzle bores of a drill bit of FIG. 7.
 FIG. 9 is a first side view diagram the boss on nozzle bores of a drill bit of FIG. 7.
 FIG. 10 is a second side view diagram the boss on nozzle bores of a drill bit of FIG. 7.
 FIG. 11 is a third side view diagram the boss on nozzle bores of a drill bit of FIG. 7.
 FIG. 12 is a fourth side view diagram the boss on nozzle bores of a drill bit of FIG. 7.
 FIG. 13 is a bottom view diagram of a third embodiment a boss on nozzle bores of a drill bit.
 FIG. 14 is an elevation diagram the boss on nozzle bores of a drill bit of FIG. 13.
 FIG. 15 is a first side view diagram the boss on nozzle bores of a drill bit of FIG. 13.
 FIG. 16 is a second side view diagram the boss on nozzle bores of a drill bit of FIG. 13.
 FIG. 17 is a third side view diagram the boss on nozzle bores of a drill bit of FIG. 13; and,
 FIG. 18 is a fourth side view diagram the boss on nozzle bores of a drill bit of FIG. 13.
 The broken lines show portions of a boss on nozzle bores of a drill bit which form no part of the claimed design.

1 Claim, 18 Drawing Sheets



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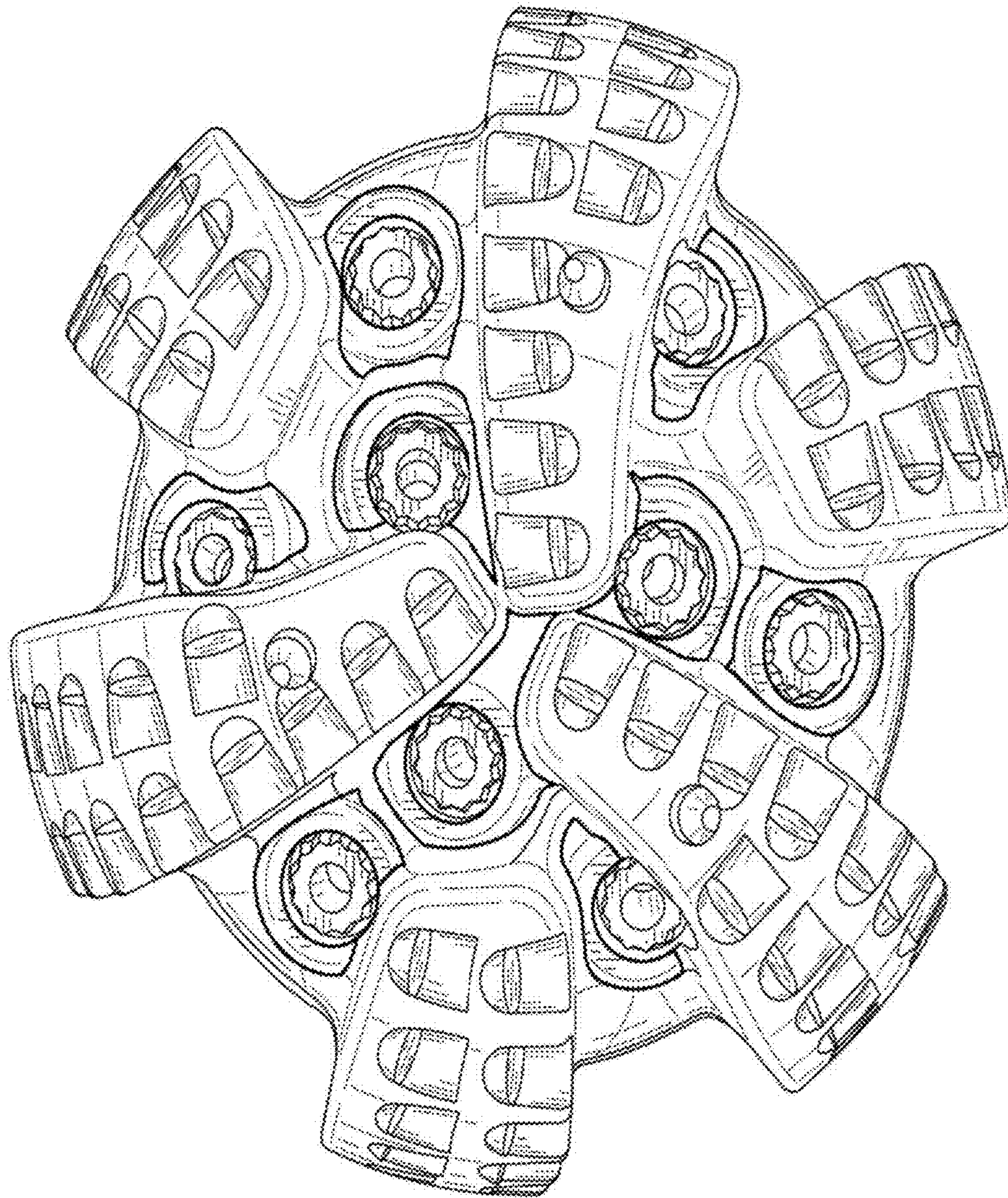


FIG. 1

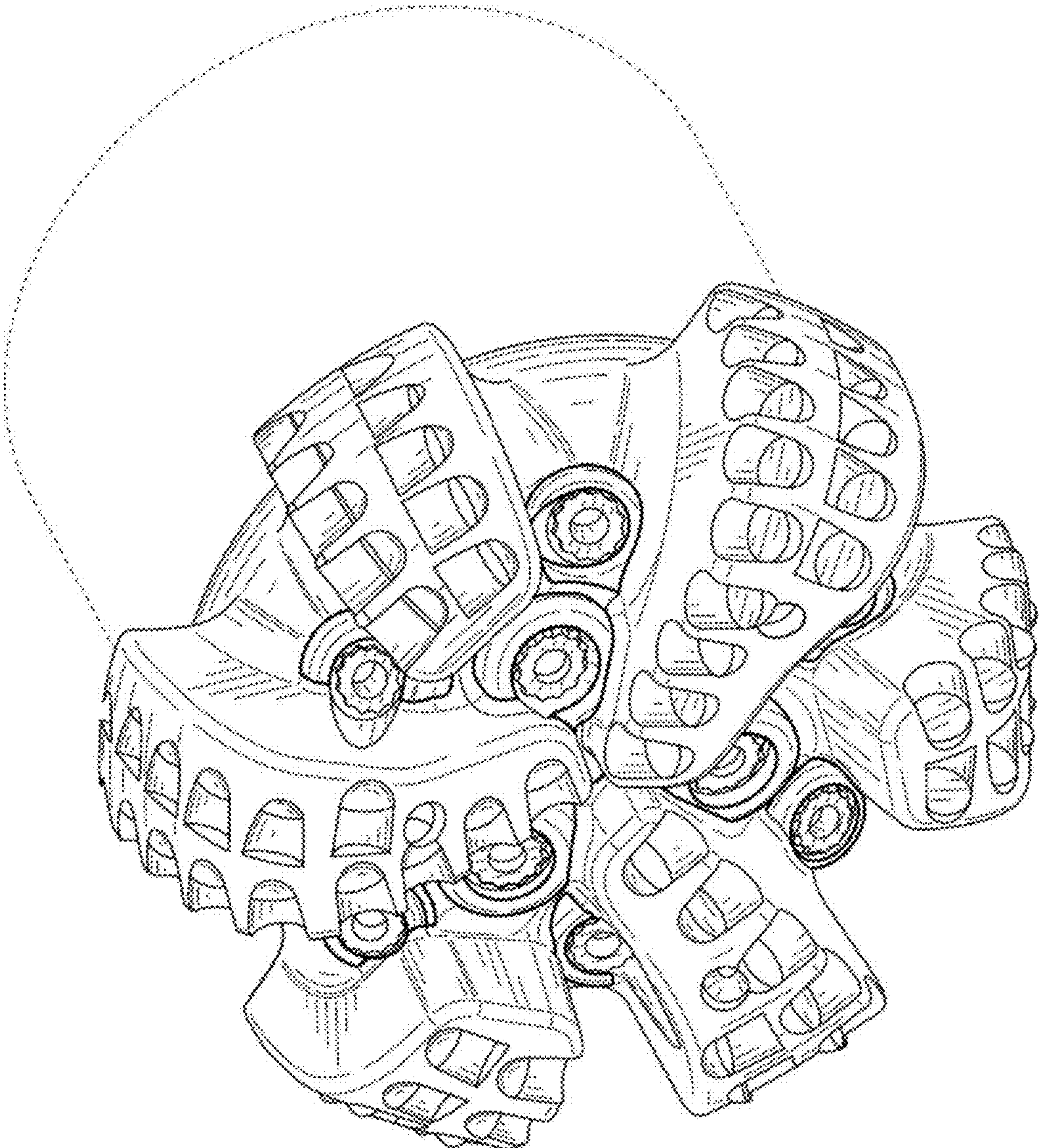


FIG. 2

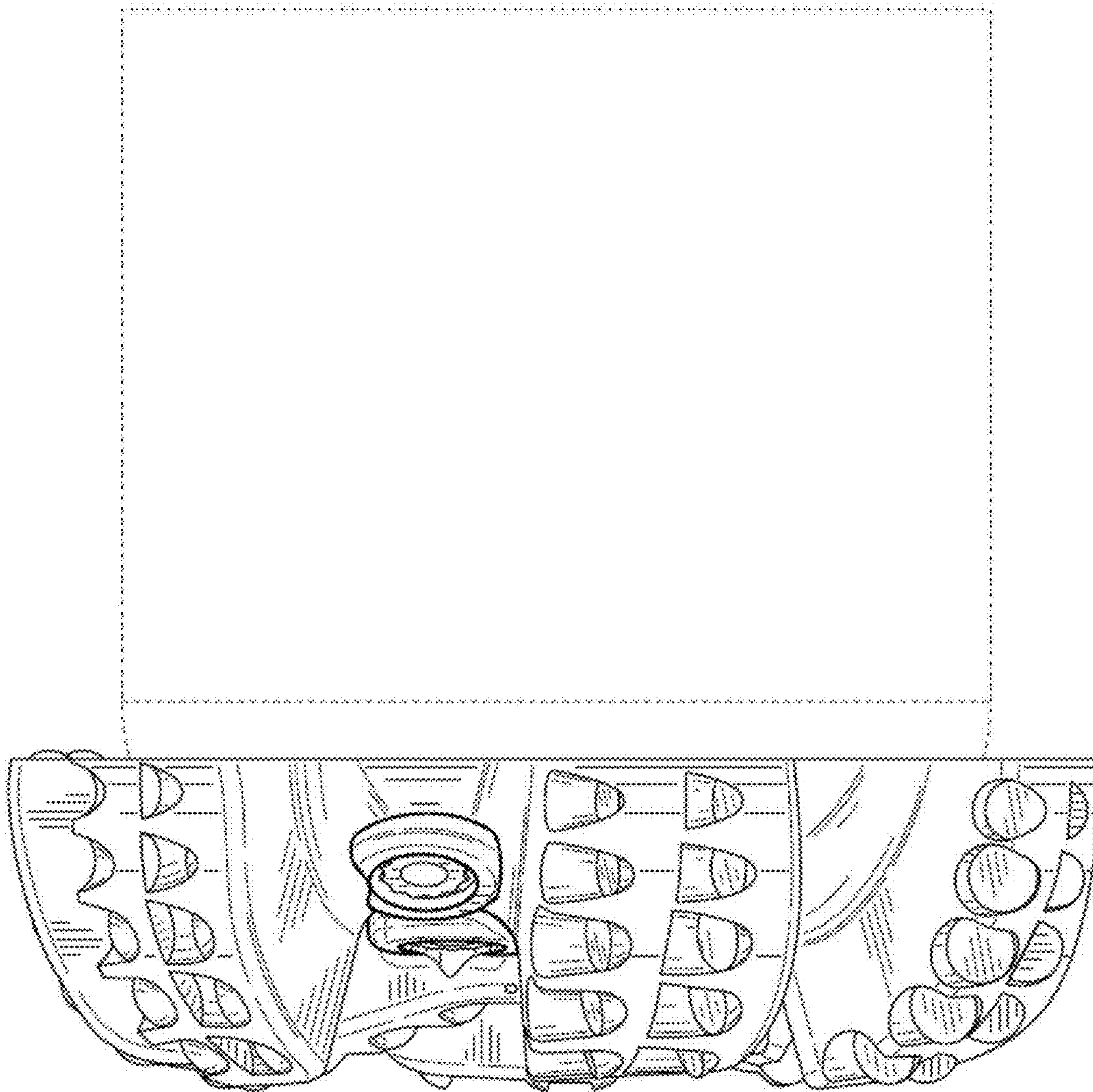


FIG. 3

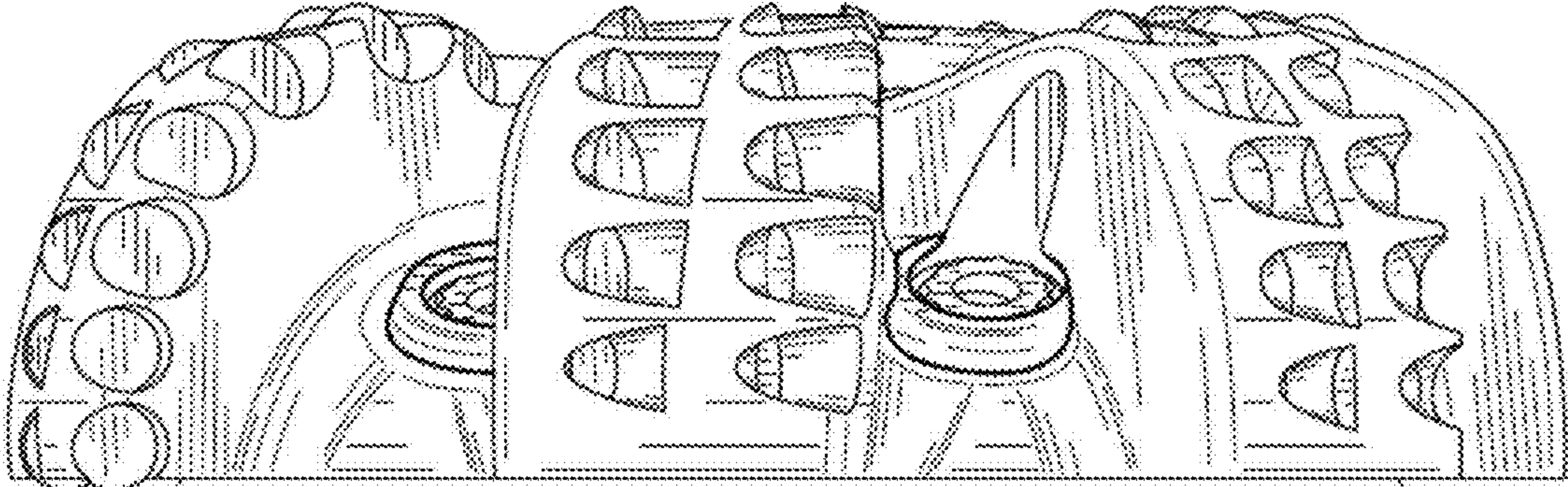


FIG. 4

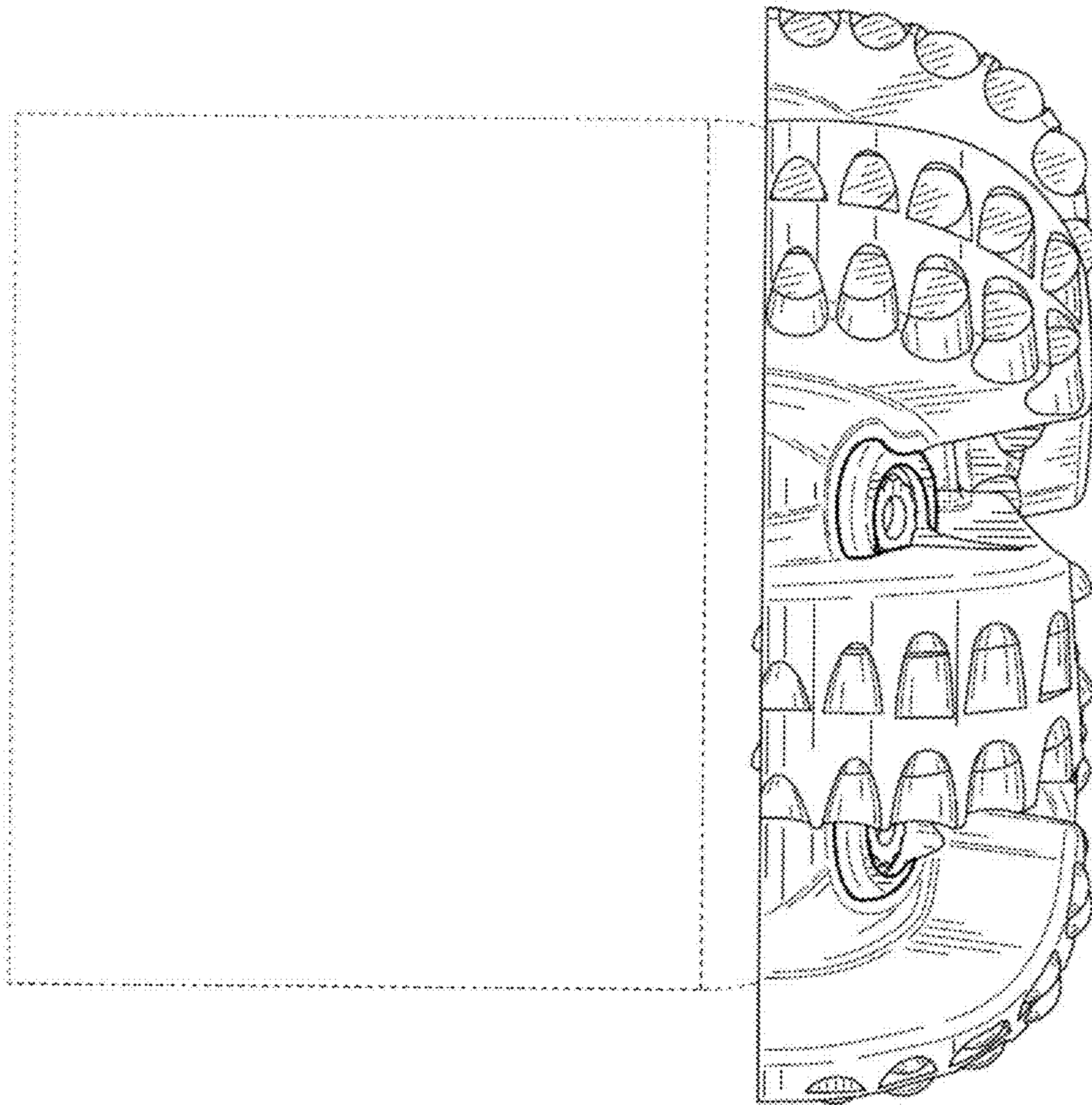


FIG. 5

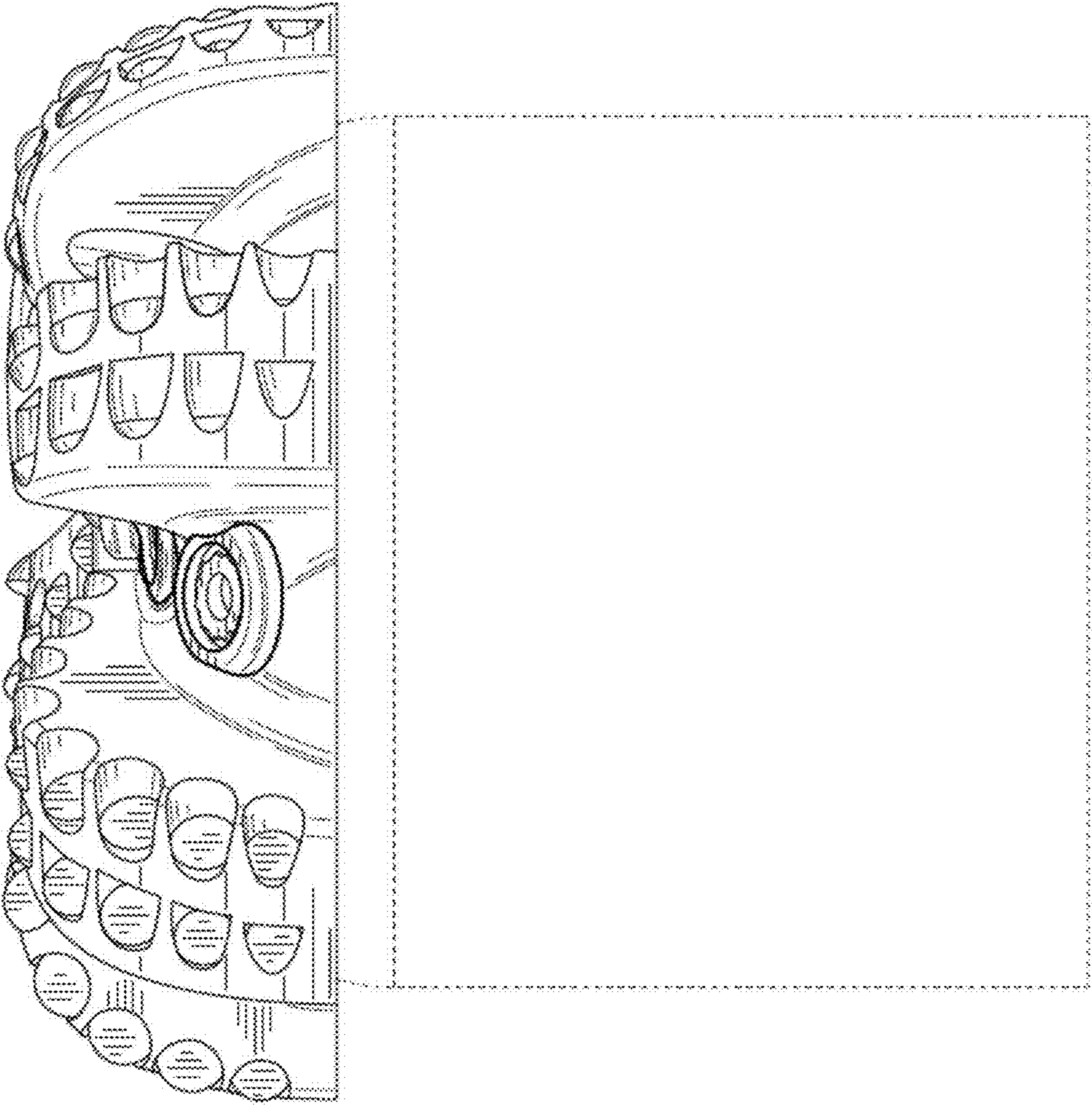


FIG. 6

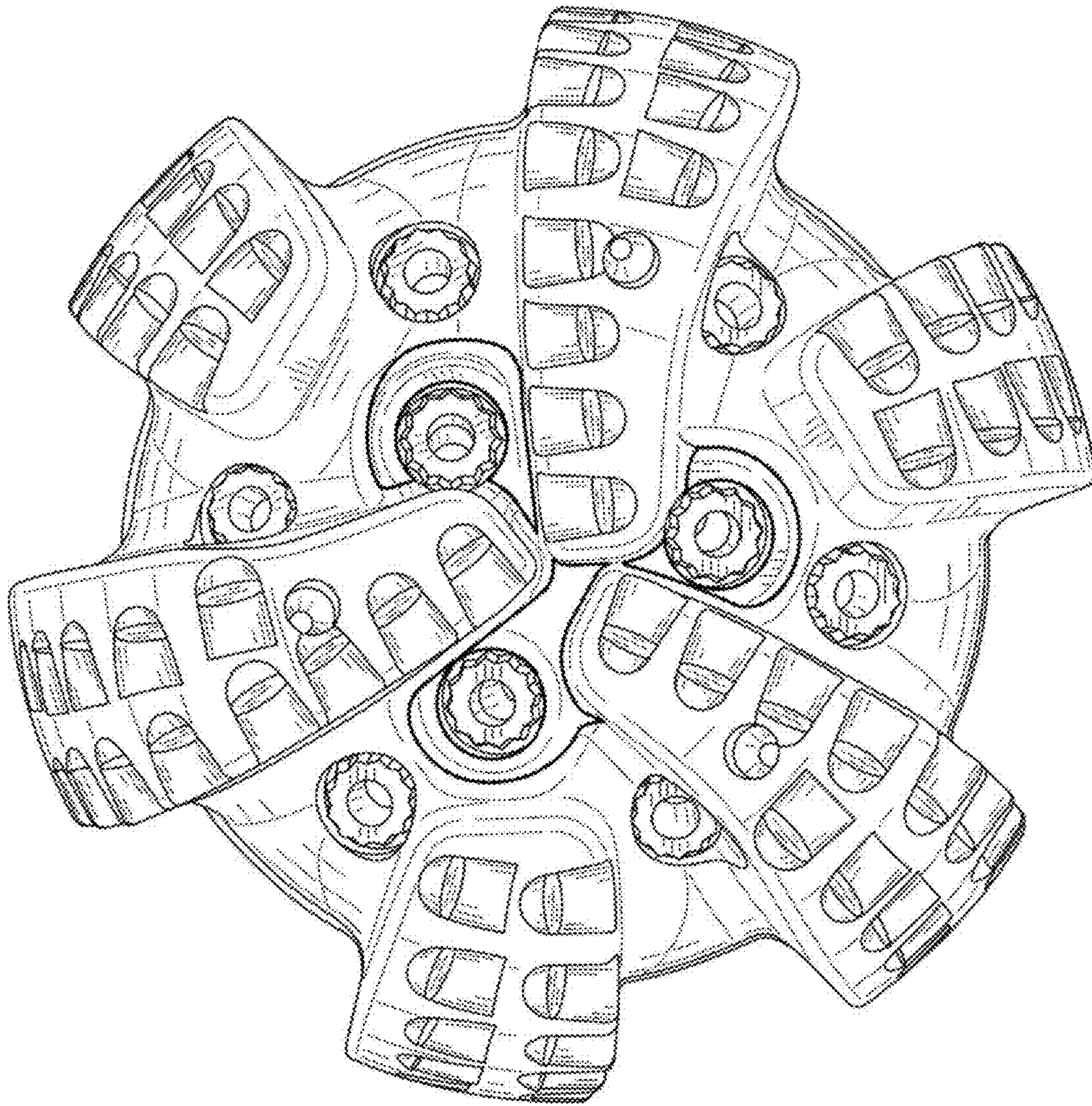


FIG. 7

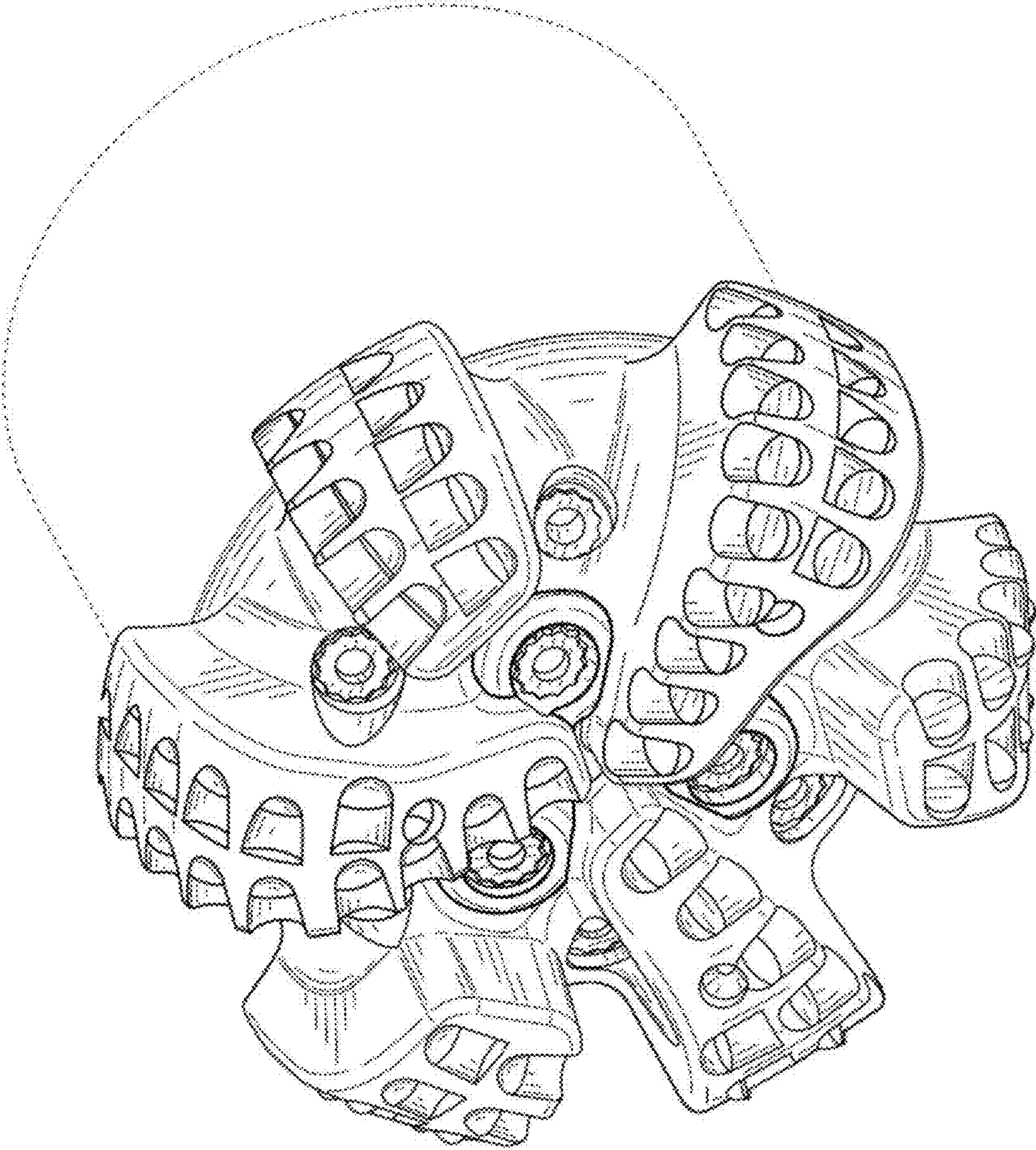


FIG. 8

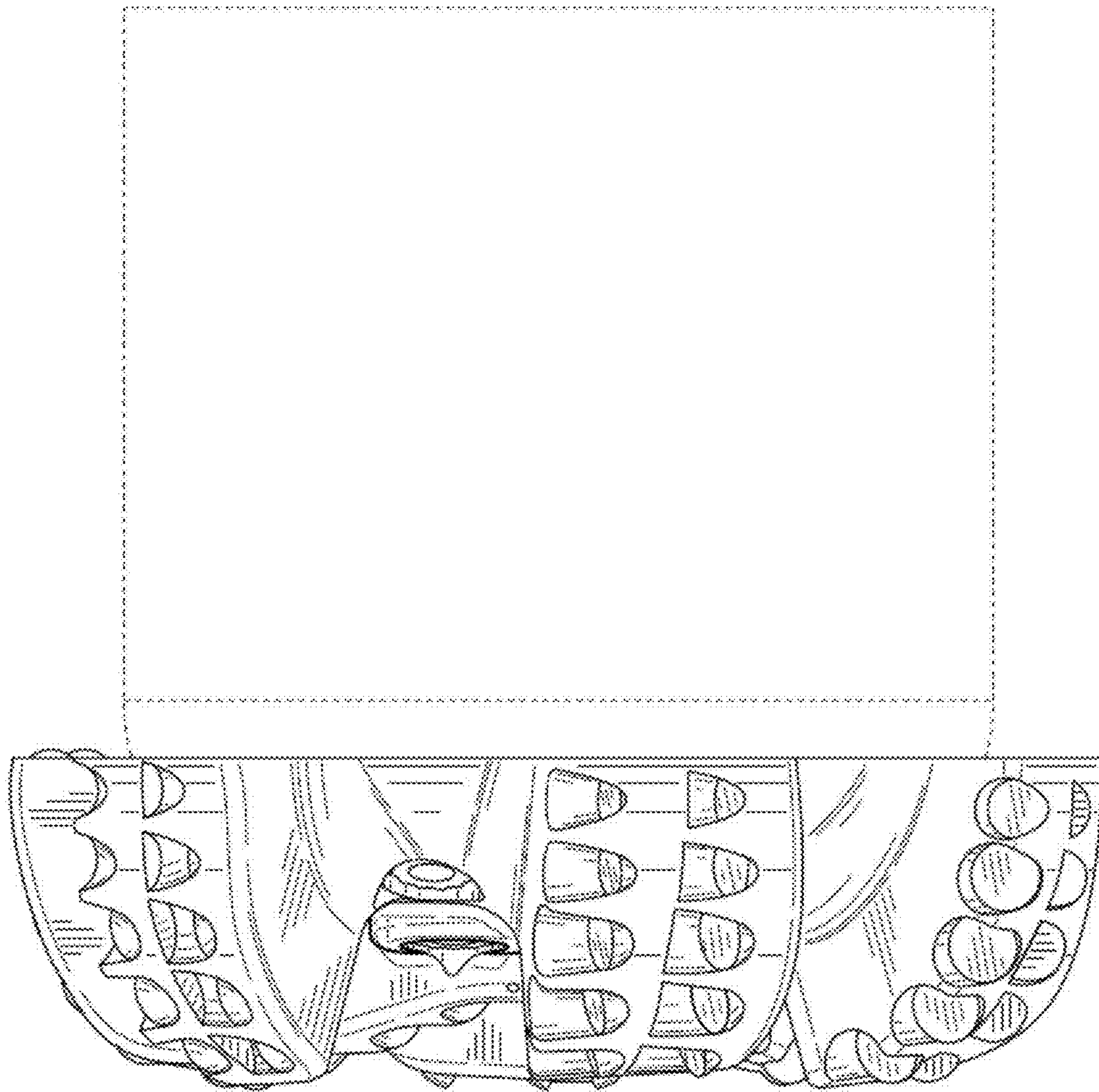


FIG. 9

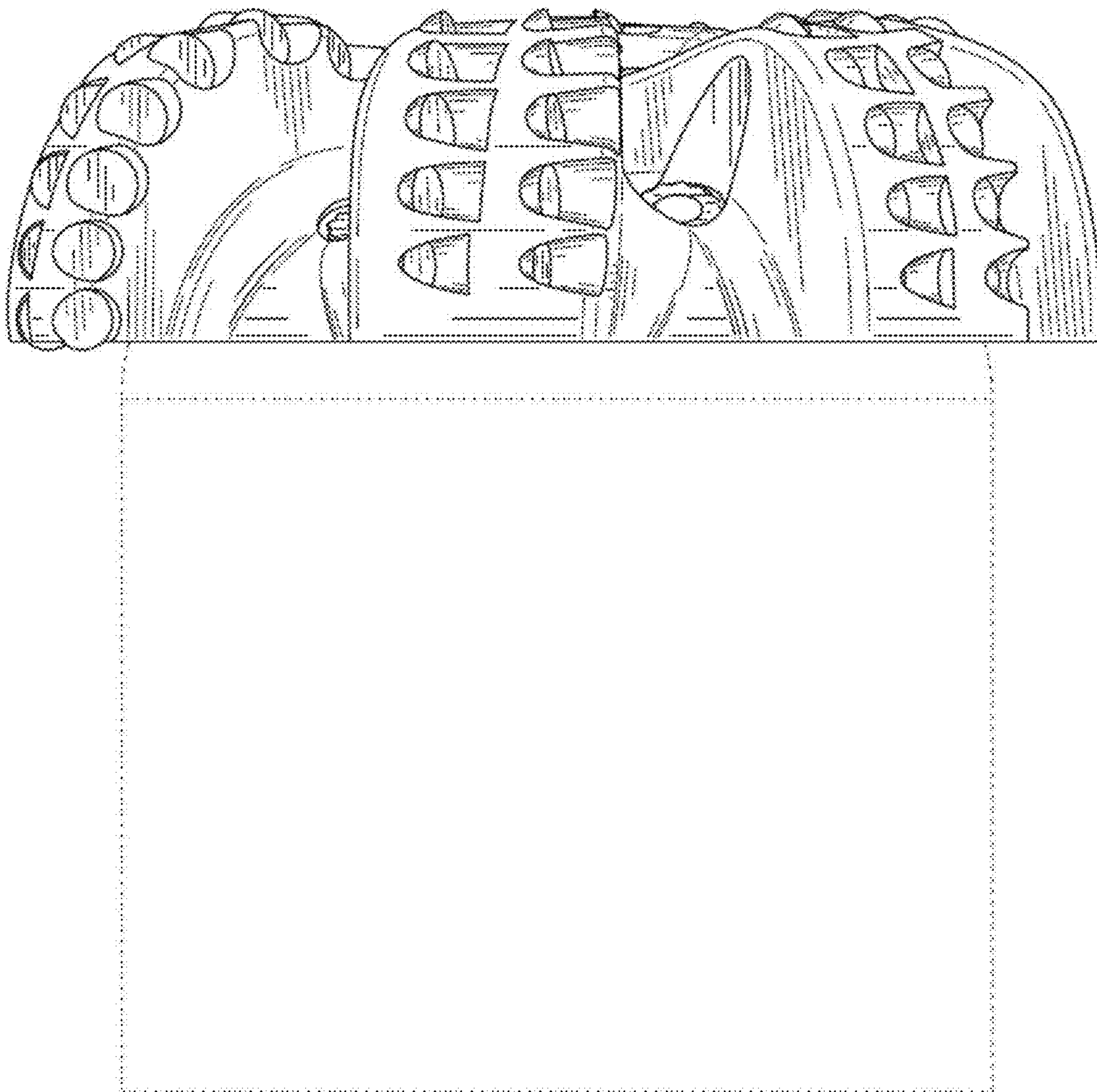


FIG. 10

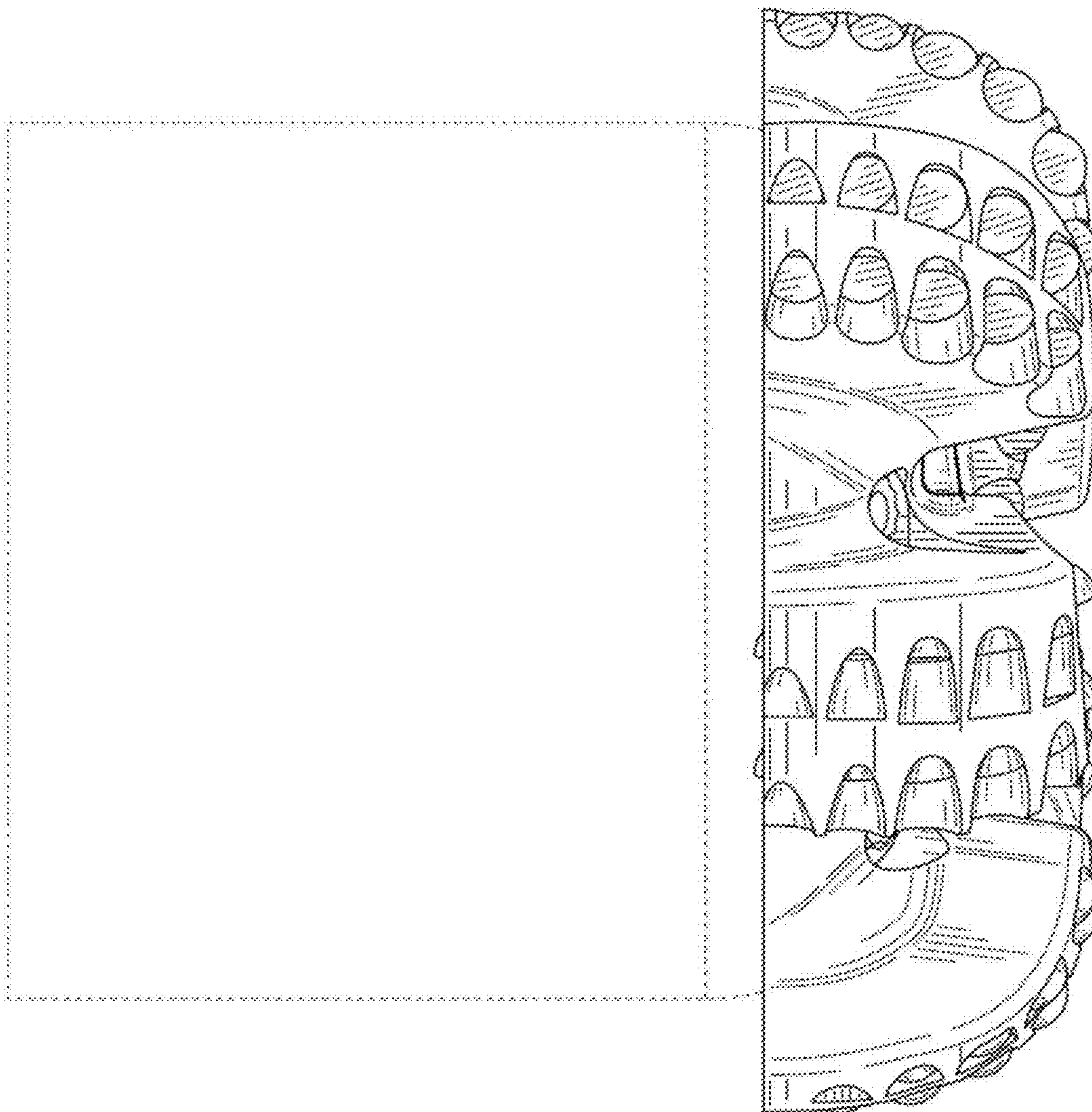


FIG. 11

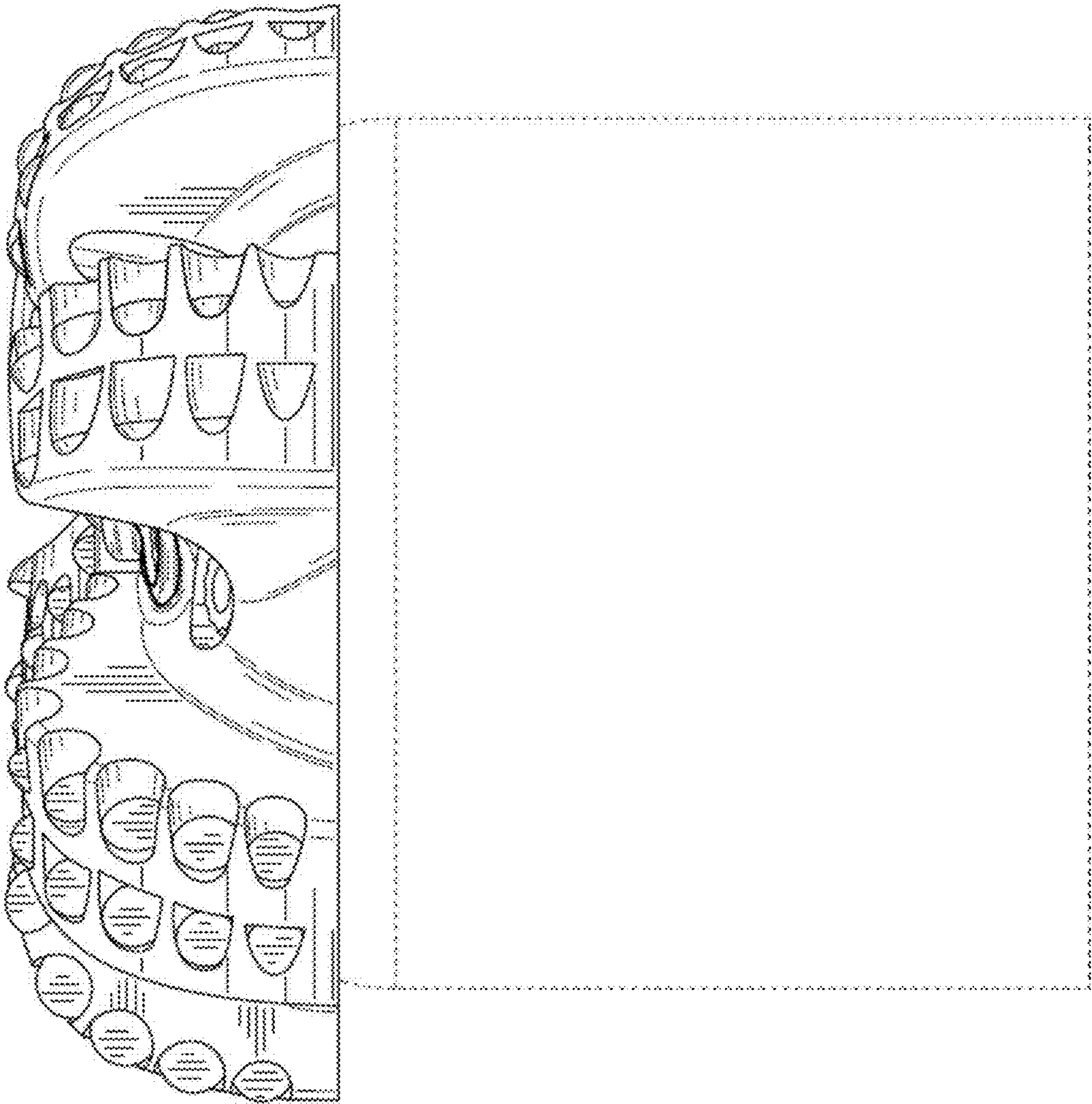


FIG. 12

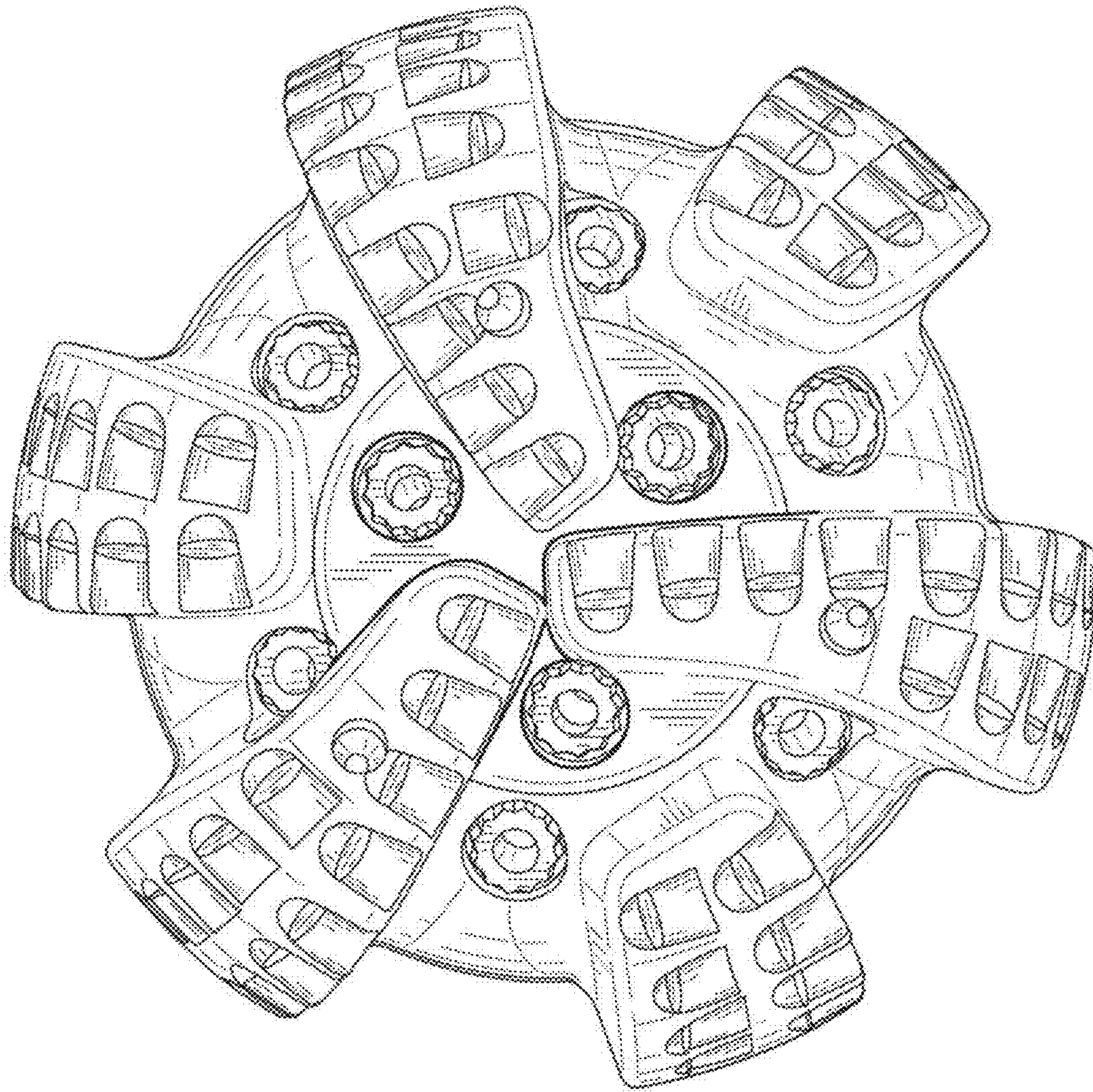


FIG. 13

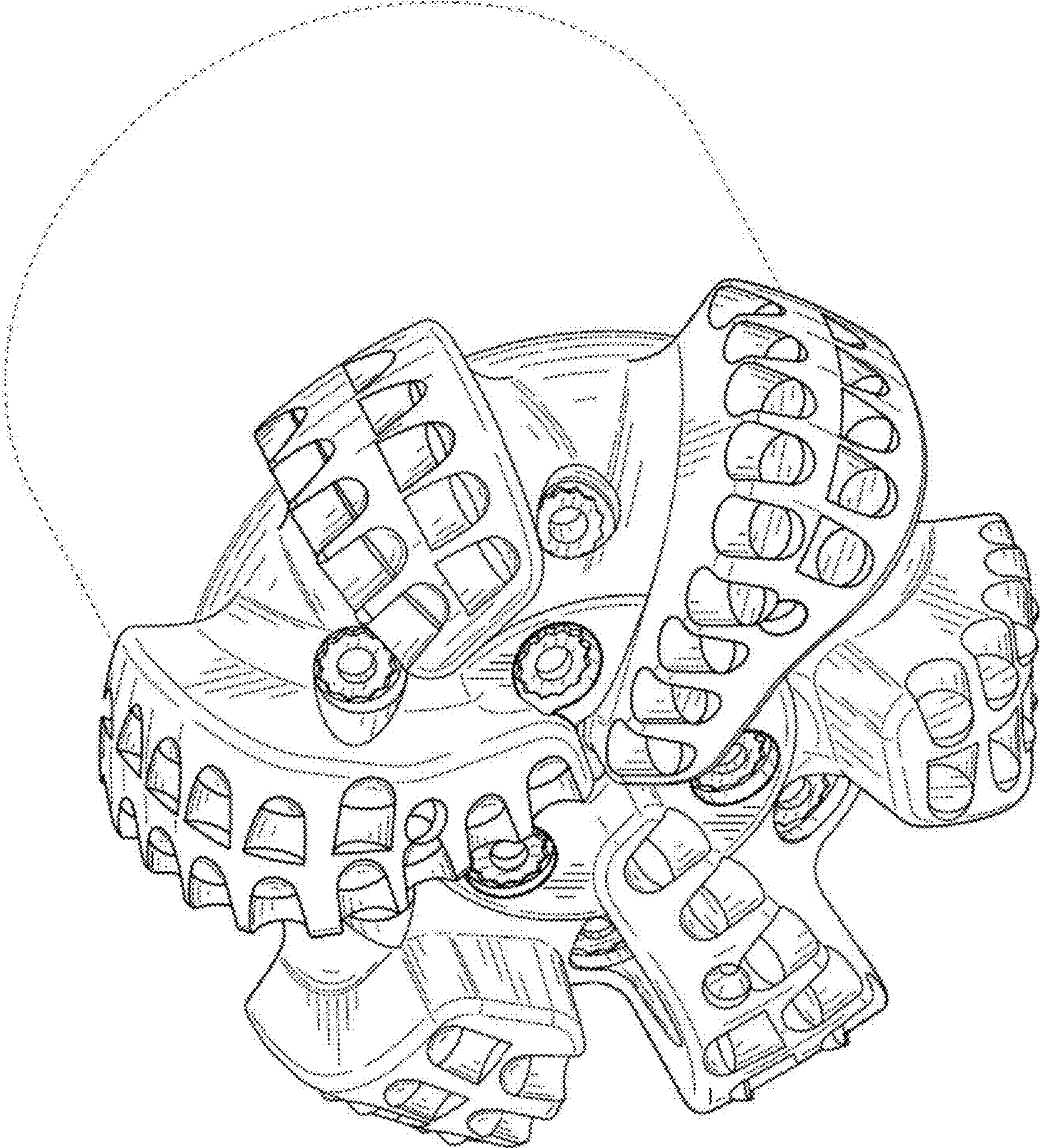


FIG. 14

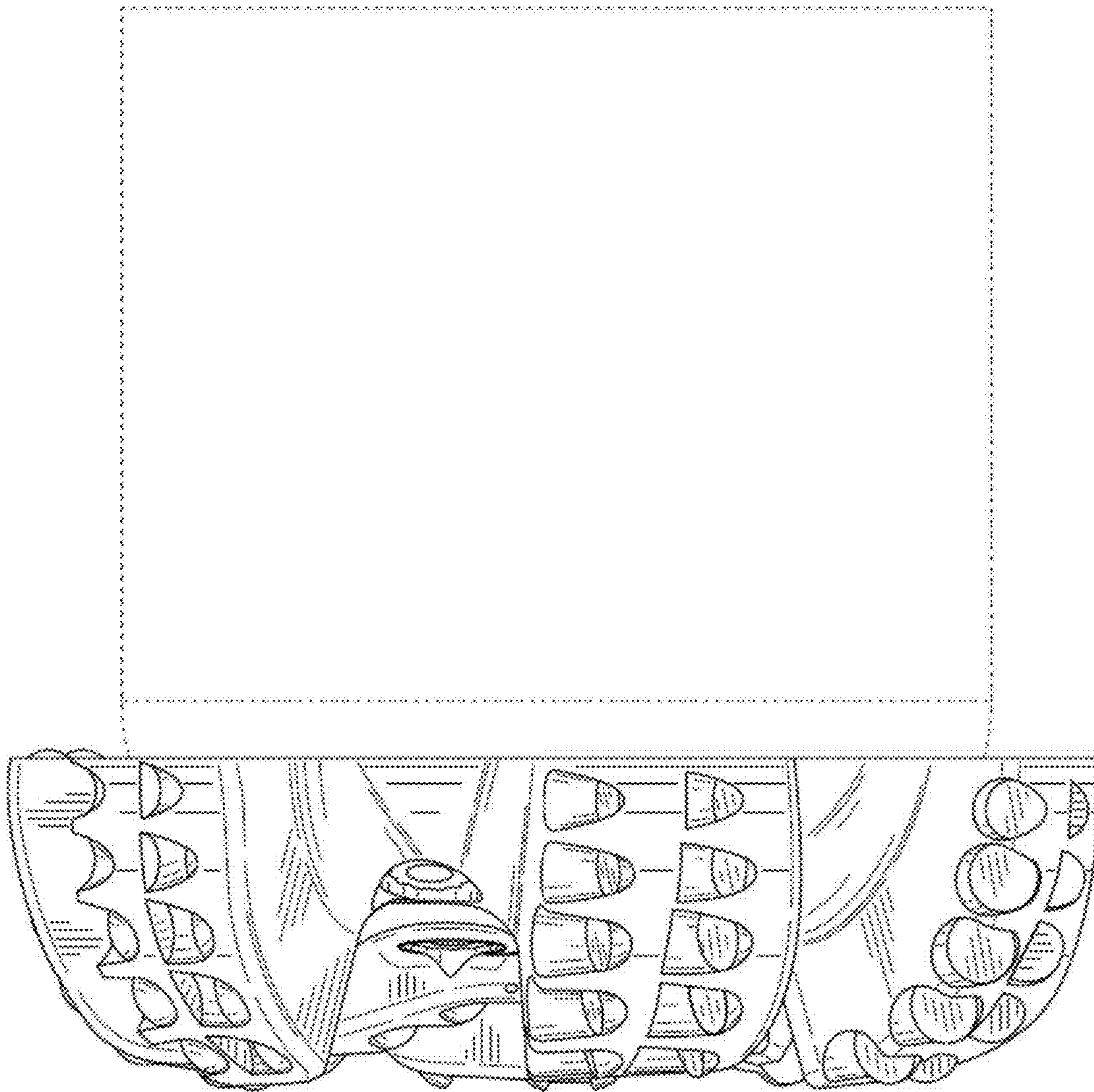


FIG. 15

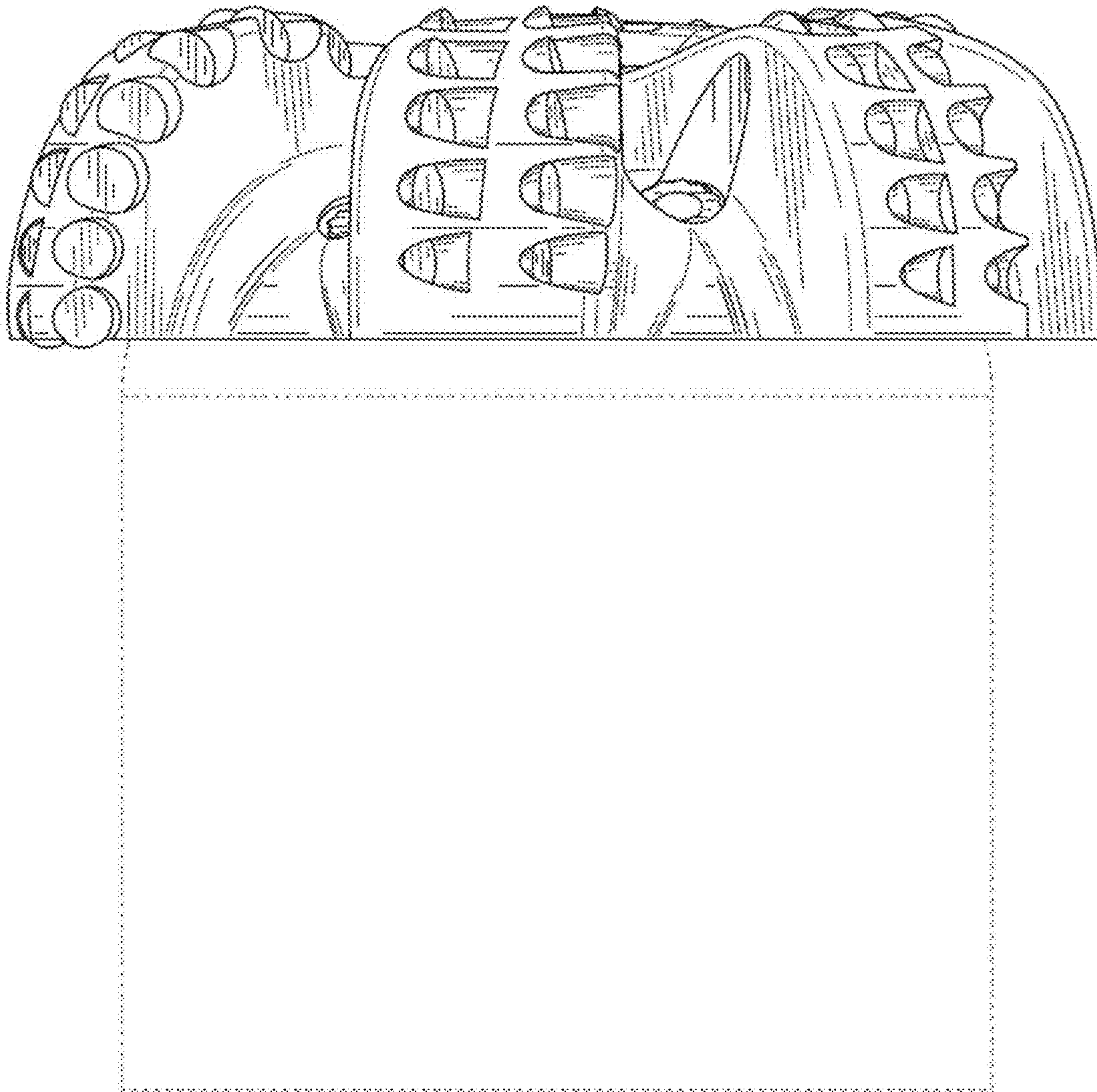


FIG. 16

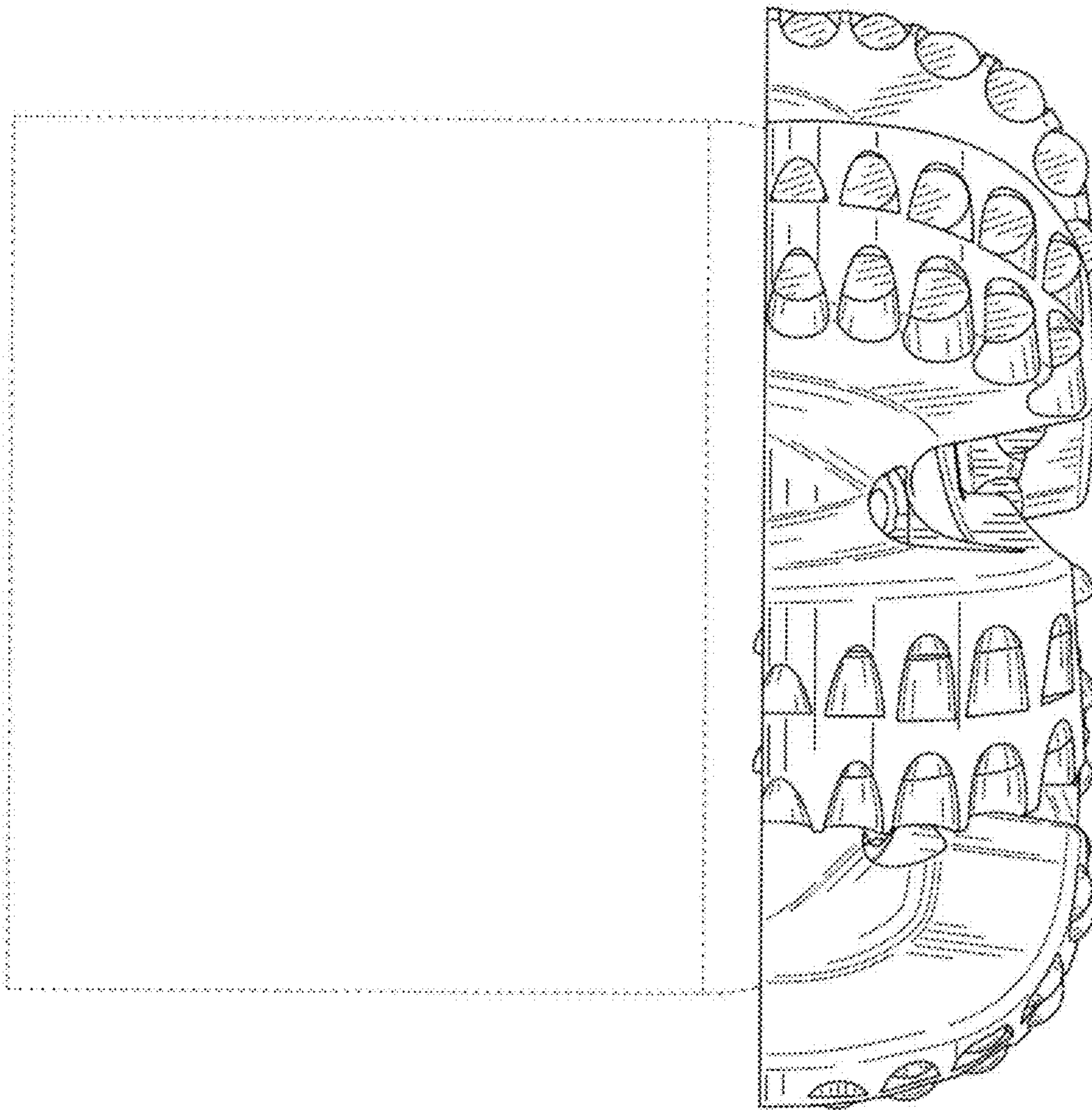


FIG. 17

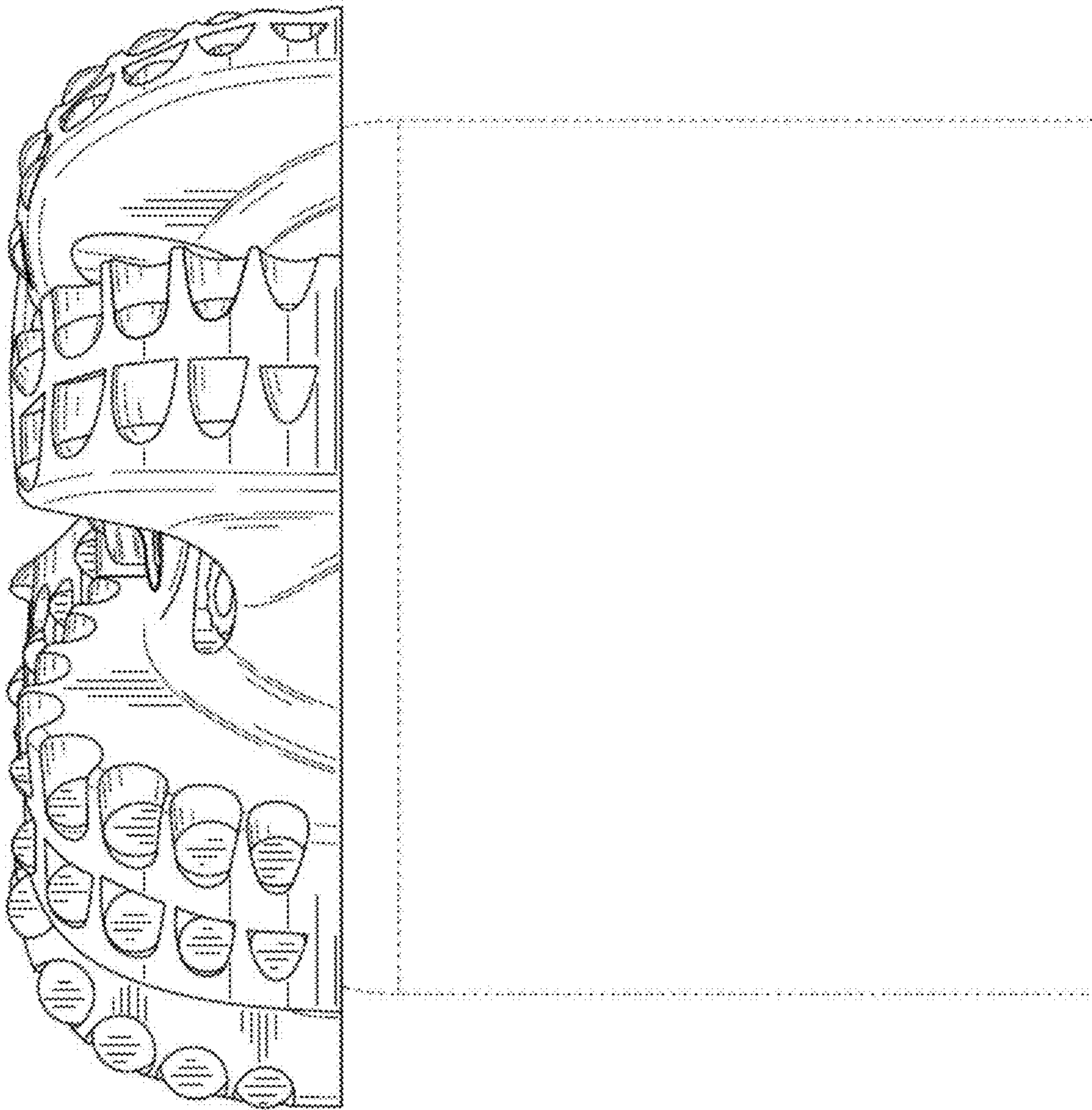


FIG. 18