

[54] ANTI SKID CHAIN UNIT FOR VEHICLE TIRES

[75] Inventor: Ragnar Hårdmark, Linköping, Sweden

[73] Assignee: Onspot AB, Sweden

[**] Term: 14 Years

[21] Appl. No.: 630,412

[22] Filed: Jul. 13, 1984

[30] Foreign Application Priority Data

Jan. 17, 1984 [SE] Sweden 840132

[52] U.S. Cl. D12/154

[58] Field of Search D12/154; 152/218, 232, 152/233

[56] References Cited

U.S. PATENT DOCUMENTS

1,241,477 9/1917 Heinsius 152/233
3,151,655 10/1964 Brown 152/233

3,473,593 10/1969 Brown 152/218
3,945,162 3/1976 Martinez et al. 152/233
4,324,278 4/1982 Guenther 152/218

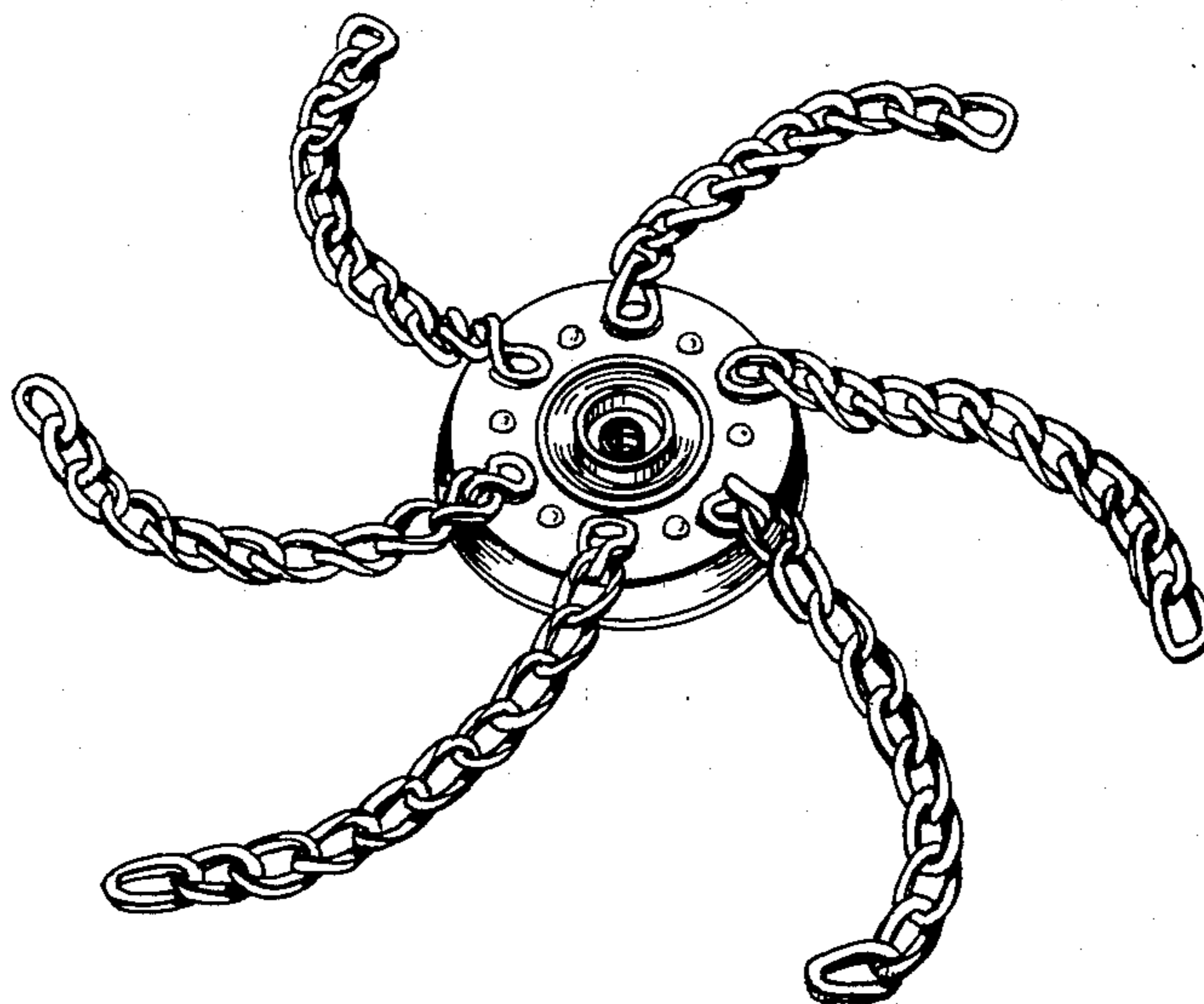
Primary Examiner—James M. Gandy
Attorney, Agent, or Firm—Burns, Doane, Swecker & Mathis

[57] CLAIM

The ornamental design for an anti skid chain unit for vehicle tires, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of an anti skid chain unit for vehicle tires showing my new design; FIG. 2 is an enlarged rear elevation view of the hub member of the chain unit shown separately for clarity of illustration; FIG. 3 is a top perspective view of the chain ring of the chain unit shown separately for clarity of illustration; FIG. 4 is a front elevation view of FIG. 2; FIG. 5 is a bottom perspective view of FIG. 1; and FIG. 6 is a bottom perspective view of FIG. 3.



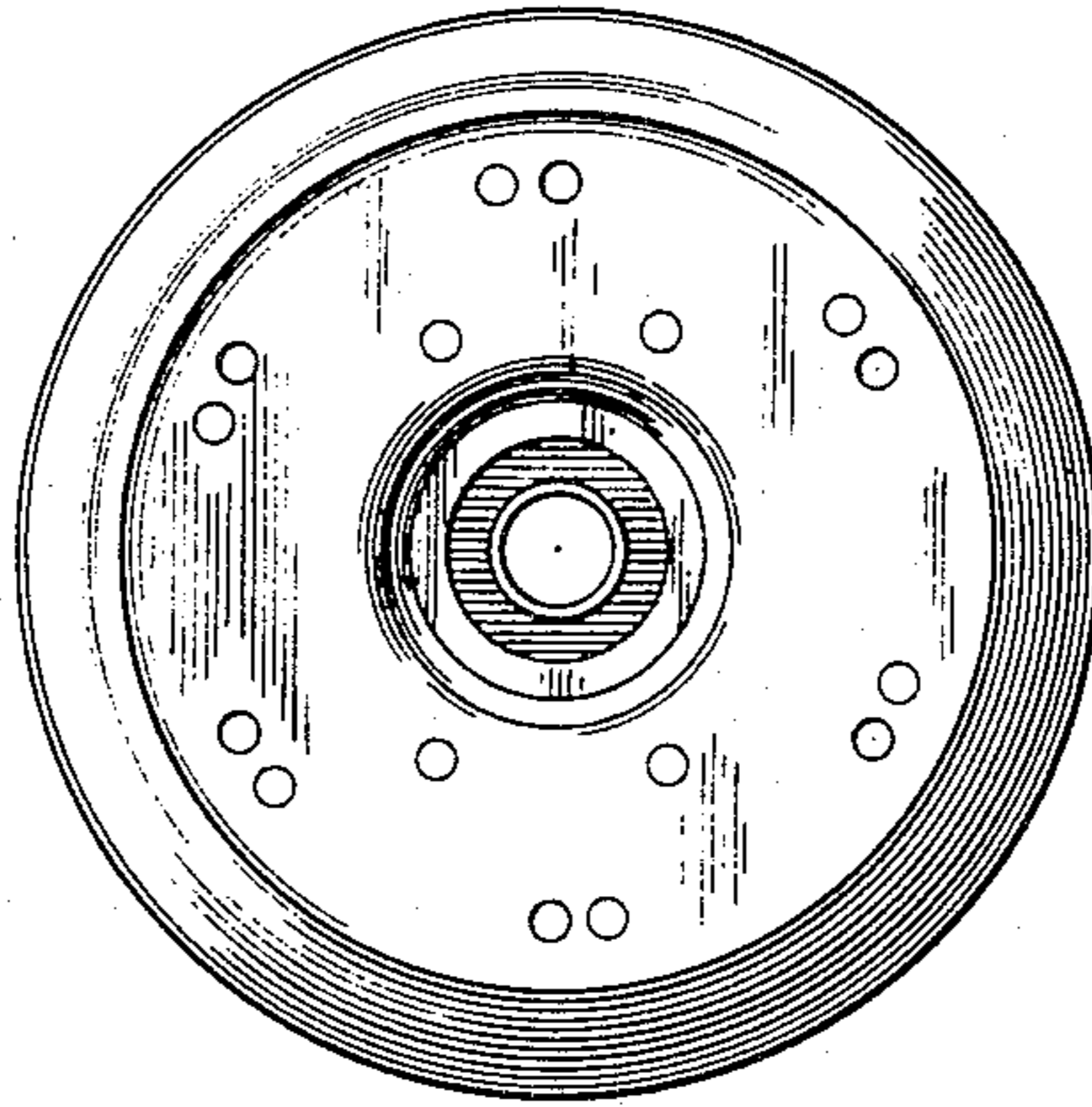


FIG. 2

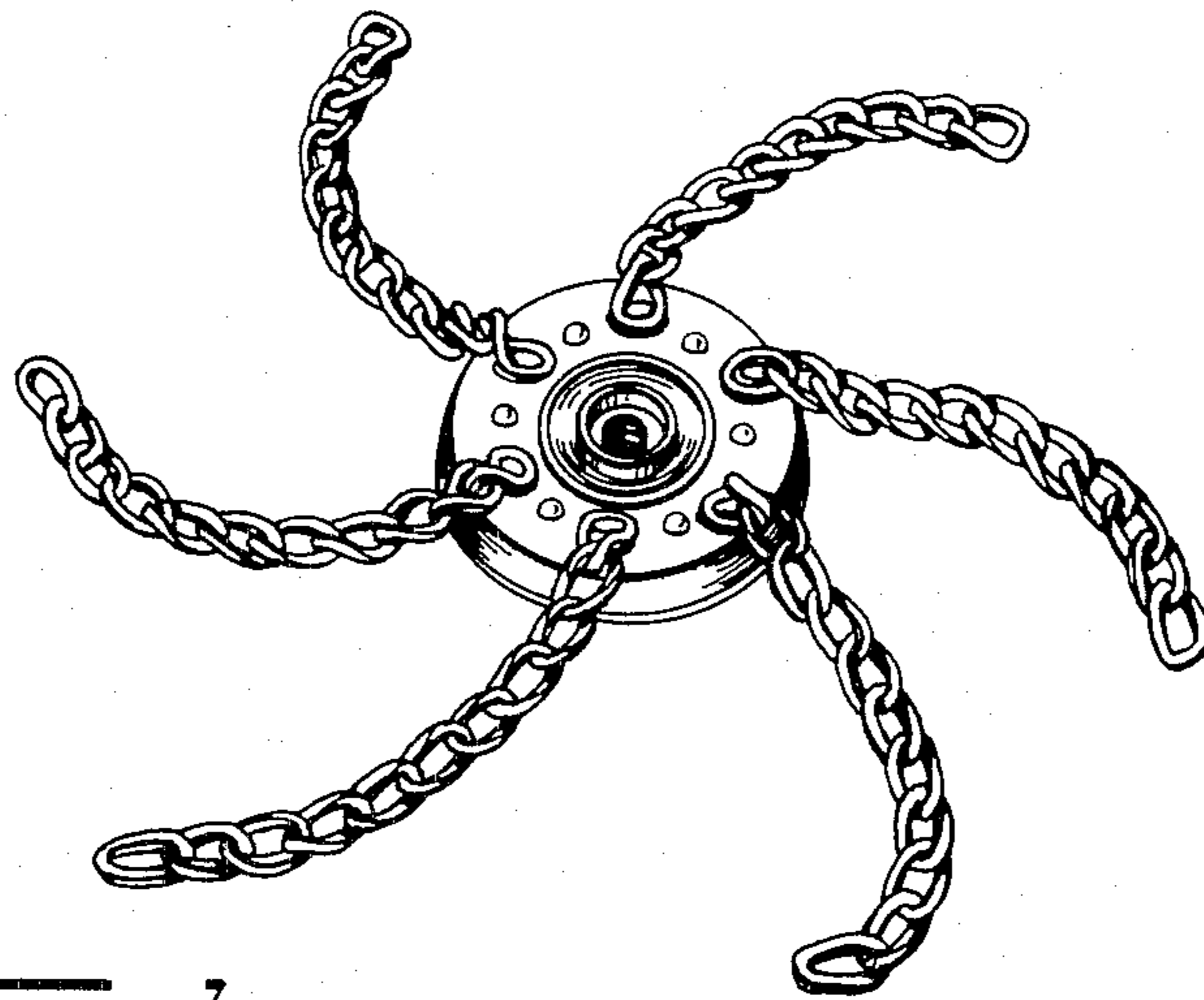


FIG. 1

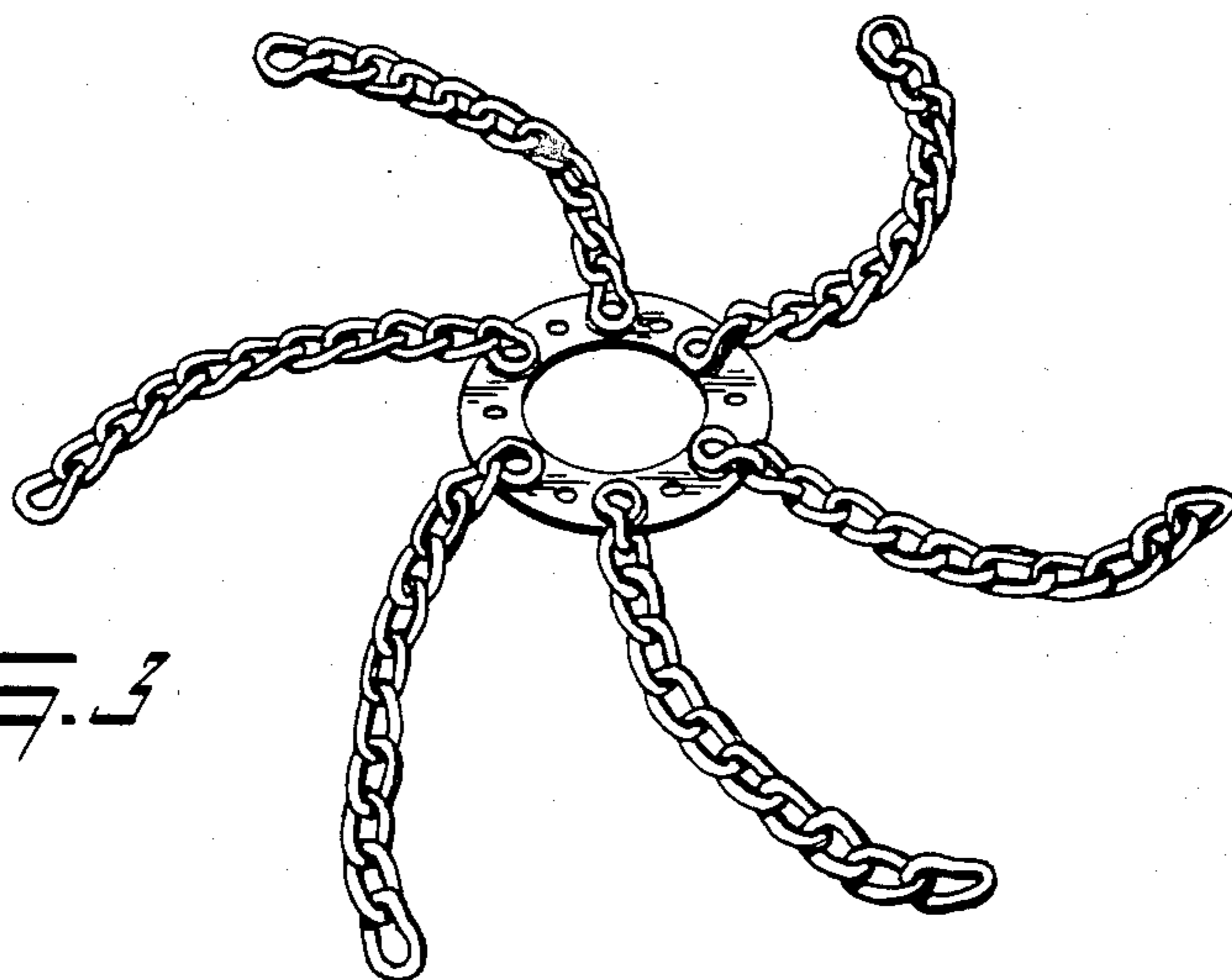


FIG. 3

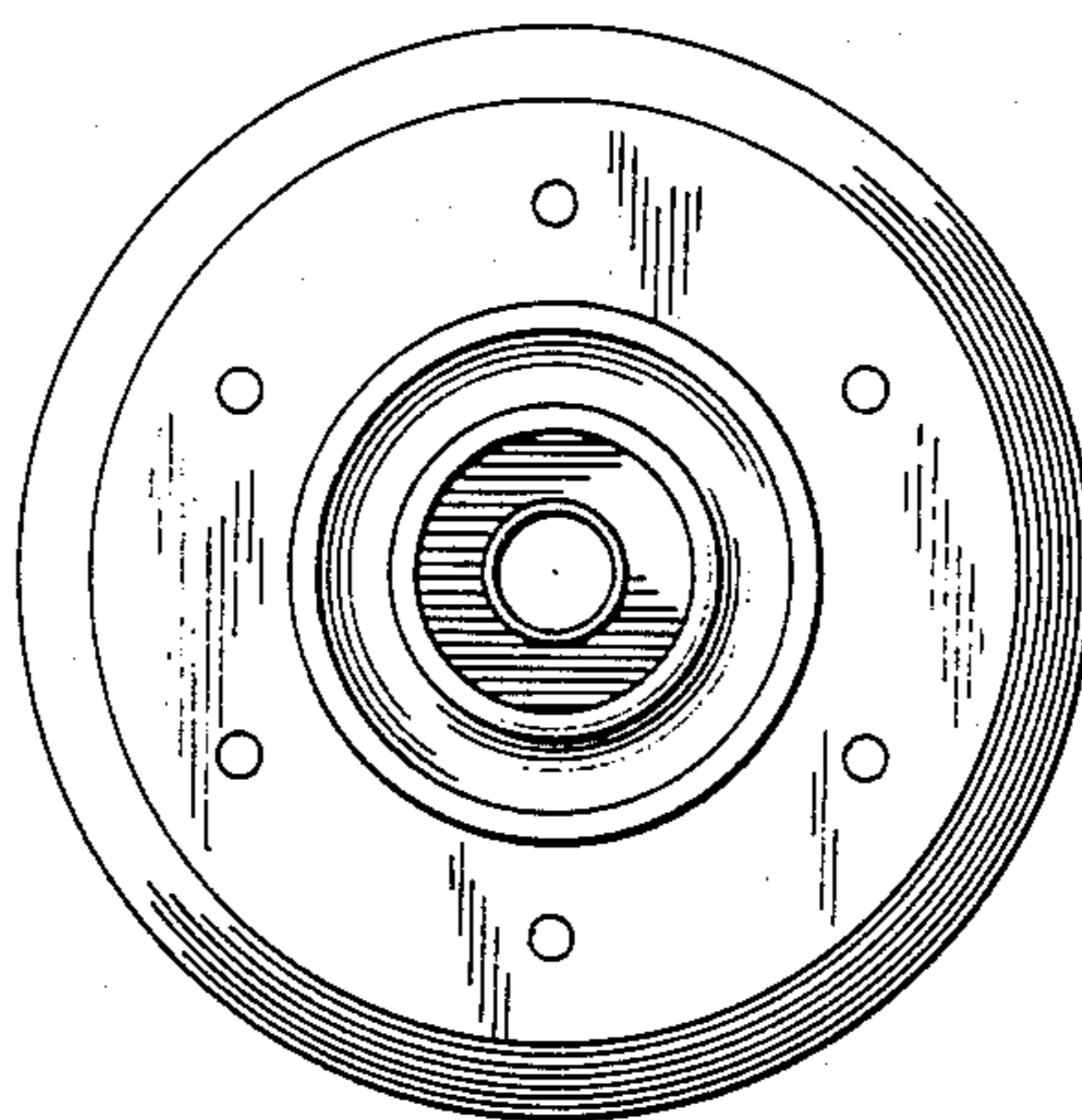


FIG. 4

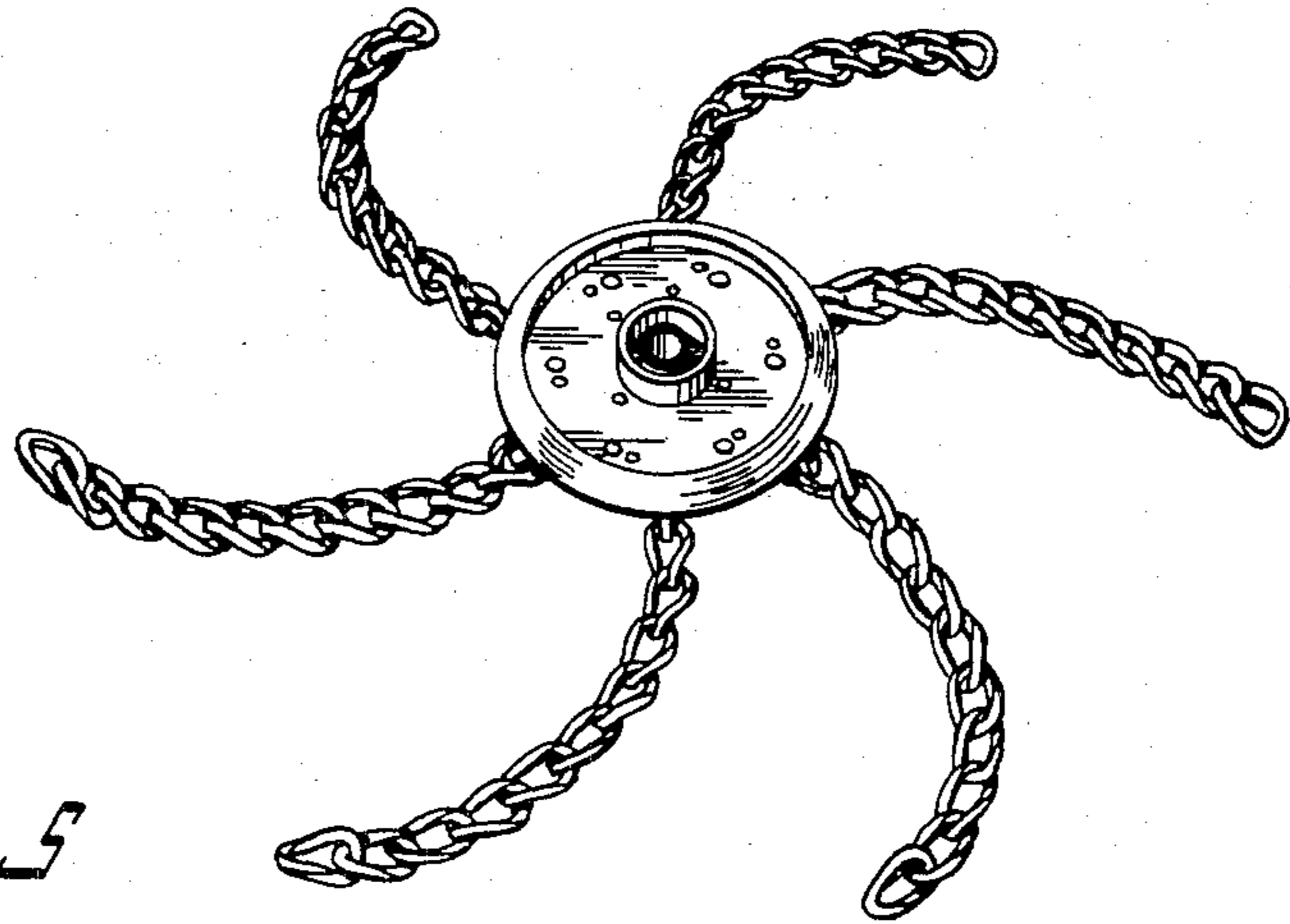


FIG. 5

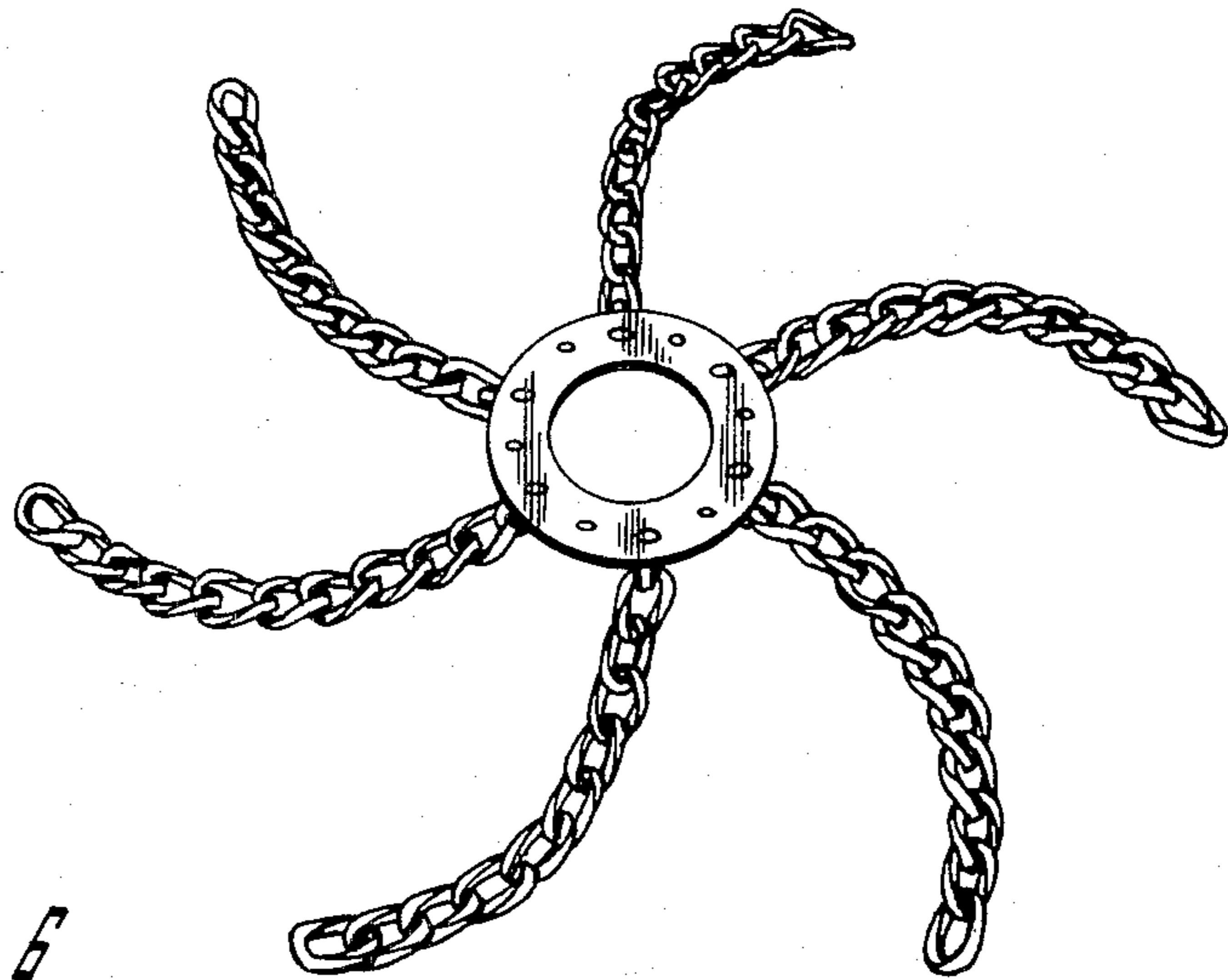


FIG. 6

REEXAMINATION CERTIFICATE (1555th)

United States Patent [19]

[11] B1 Des. 286,524

Hårdmark

[45] Certificate Issued Sep. 17, 1991

ANTI SKID CHAIN UNIT FOR VEHICLE TIRE

2,597,053	5/1952	Bartch et al.	55/118
3,151,655	10/1964	Brown	152/233
3,473,593	10/1969	Brown	152/233
3,796,246	3/1974	Walenta	152/231
4,299,310	11/1981	Toernebaeck	188/4

Inventor: Ragnar Hårdmark, Linköping, Sweden

FOREIGN PATENT DOCUMENTS

266487 11/1912 Fed. Rep. of Germany

Assignee: Onspot AB, Linköping, Sweden

Examination Request:

No. 90/002,236, Dec. 18, 1990

Examination Certificate for:

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Issued: Nov. 4, 1986

Appl. No.: 630,412

Filed: Jul. 13, 1984

Foreign Application Priority Data

Jan. 17, 1984 [SE] Sweden 840132

U.S. Cl. D12/154

Field of Search 188/4 B; 180/16; 280/757; 152/231, 233; D12/154, 155

References Cited

U.S. PATENT DOCUMENTS

1,045,609	11/1912	Putnam	188/4
1,150,148	8/1915	Putnam	188/4
1,223,070	4/1917	Putnam	188/4
1,241,477	9/1917	Heinsius	152/233
1,374,252	4/1921	Thorne et al.	188/4
1,381,001	6/1921	Norman	188/4
1,975,325	10/1934	Lisella et al.	152/14
2,241,923	5/1941	Ridgway	188/4
2,264,466	12/1941	Weisel	183/4
2,277,036	3/1942	Chaussee	188/4
2,283,948	5/1942	Ridgway	188/4
2,442,322	5/1948	Daley	153/4

OTHER PUBLICATIONS

1972 Acco Price catalog (at B-112).

10-15-83 Onspot Price List Spare Parts catalogue (in Swedish Krona) (Exhibit JA-8 at A-283).

10-15-83 Onspot Price List Spare Parts catalogue (in U.S. dollars) (U.S. dollars) (Exhibit JA-9 at A-288).

1980 Onspot Spare Parts List (Exhibit JA-7 and Exhibit GT-1 at A-277).

Pre-1983 Instachain brochure (Exhibit GT-2 at A-329).

Pre-1983 Onspot brochure (Exhibit RE-2 at A-362).

The Pre-critical date Velum, (Exhibit JA-2 at A-260) published prior to Jan. 1984.

Three 1-5-84 Newspaper Articles (Exhibits JA-3, JA-4 and JA-5 at A-263, A-265 and A-270).

Two 1-5-84 publicly-accessible photographs (Exhibits GT-7 at A-310 and A-311).

Primary Examiner—James M. Gandy

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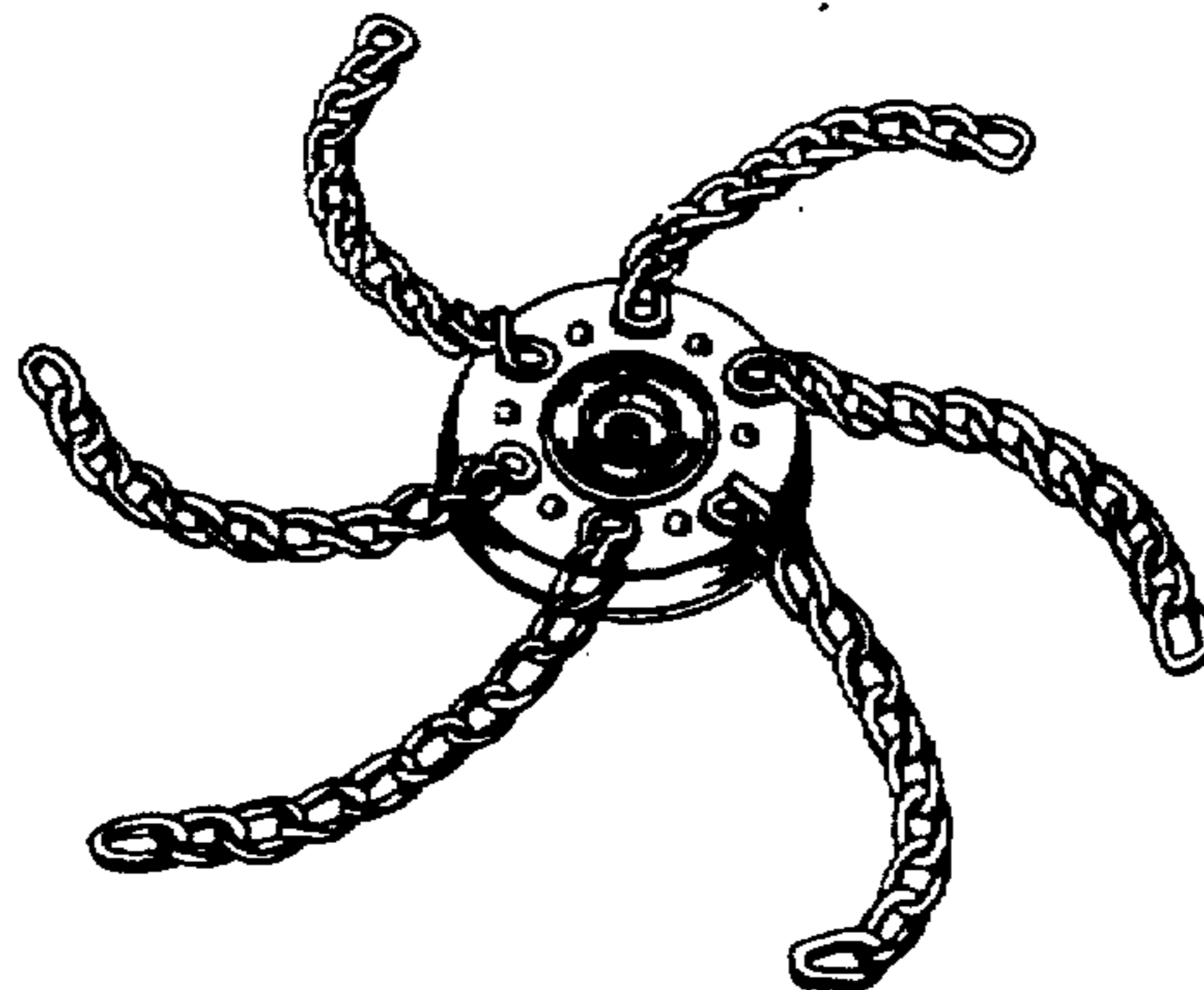
FIG. 2 is an enlarged rear elevation view of the hub member of the chain unit shown separately for clarity of illustration;

FIG. 3 is a top perspective view of the chain ring of the chain unit shown separately for clarity of illustration;

FIG. 4 is a front elevation view of FIG. 2;

FIG. 5 is a bottom perspective view of FIG. 1; and

FIG. 6 is a bottom perspective view of FIG. 3.



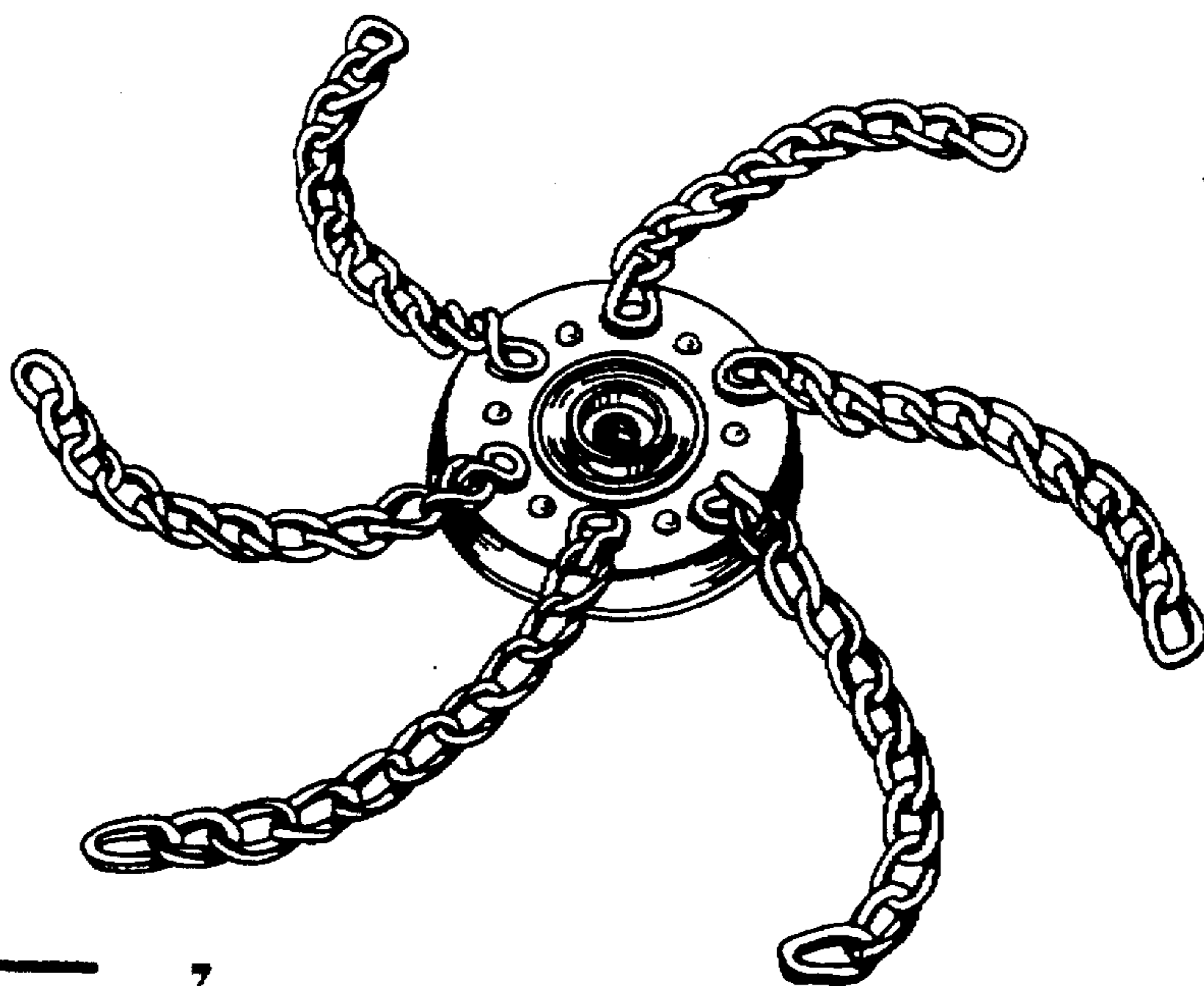


FIG 1

**REEXAMINATION CERTIFICATE
ISSUED UNDER 35 U.S.C. 307**

THE PATENT IS HEREBY AMENDED AS
INDICATED BELOW.

AS A RESULT OF REEXAMINATION, IT HAS
BEEN DETERMINED THAT:

5 The single claim is cancelled.

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