



US00D728432S

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

(10) **Patent No.:** **US D728,432 S**

(45) **Date of Patent:** **** May 5, 2015**

(54) **SPROCKET WHEEL FOR BICYCLE**

(71) Applicant: **Chang Hui Lin**, Chang Hua Hsien (TW)

(72) Inventor: **Chang Hui Lin**, Chang Hua Hsien (TW)

(**) Term: **14 Years**

(21) Appl. No.: **29/489,414**

(22) Filed: **Apr. 30, 2014**

Related U.S. Application Data

(63) Continuation of application No. 13/373,204, filed on Nov. 8, 2011, now abandoned.

(51) **LOC (10) Cl.** **12-11**

(52) **U.S. Cl.**
USPC **D12/123**

(58) **Field of Classification Search**

CPC F16H 7/06; F16H 55/30; F16H 55/303; F16F 55/12; B62M 9/105

USPC D12/111, 122-127; 474/77, 80, 116, 474/118, 152, 155-158, 160-164, 202; 280/288.4, 304.3, 304.4; 74/594.2

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D435,492 S *	12/2000	Shy	.....	D12/123
D478,849 S *	8/2003	Griffin et al.	.....	D12/123
D540,718 S *	4/2007	Wickliffe	.....	D12/123
D599,255 S *	9/2009	Wickliffe et al.	.....	D12/123
D599,716 S *	9/2009	Wickliffe et al.	.....	D12/123
D599,717 S *	9/2009	Wickliffe et al.	.....	D12/123
D599,718 S *	9/2009	Wickliffe et al.	.....	D12/123
D599,719 S *	9/2009	Wickliffe et al.	.....	D12/123
D607,784 S *	1/2010	Gisbert	.....	D12/123

7,686,721 B2 *	3/2010	Tabe et al.	.....	474/152
2013/0072334 A1 *	3/2013	Braedt	.....	474/156
2013/0139642 A1 *	6/2013	Reiter et al.	.....	74/594.2
2013/0184110 A1 *	7/2013	Reiter	.....	474/152

FOREIGN PATENT DOCUMENTS

JP	2012036982 A *	2/2012	.....	F16H 55/30
JP	2013024307 A *	2/2013	.....	F16H 55/30
JP	2013079698 A *	5/2013	.....	F16H 55/30

* cited by examiner

Primary Examiner — Philip S Hyder

Assistant Examiner — Darlington Ly

(74) *Attorney, Agent, or Firm* — Charles E. Baxley

(57) **CLAIM**

The ornamental design for a sprocket wheel for bicycle, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a sprocket wheel for bicycle showing my new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a top plan view thereof;

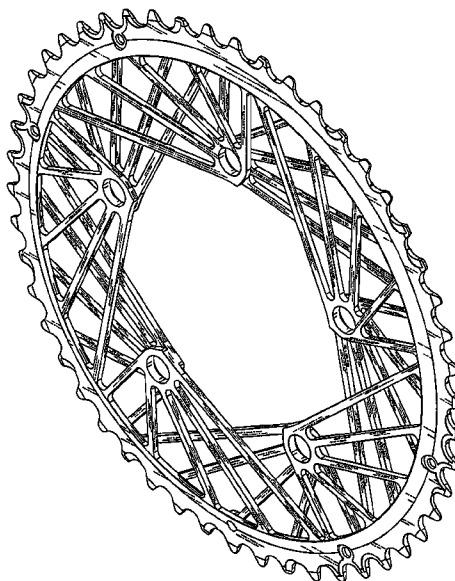
FIG. 5 is a bottom plan view thereof;

FIG. 6 is a left side elevational view thereof; and,

FIG. 7 is a right side elevational view thereof.

The phantom lines shown as a long dash-short dash form serve as surface shading to show the character and contour of surfaces and to distinguish between open and solid areas of the article. The portions of the article that are shaded with phantom lines and/or bounded by solid lines form the claimed design. Alternatively, the uniformly even broken lines in the drawings illustrate portions of the sprocket wheel for bicycle that forms no part of the claimed design.

1 Claim, 4 Drawing Sheets



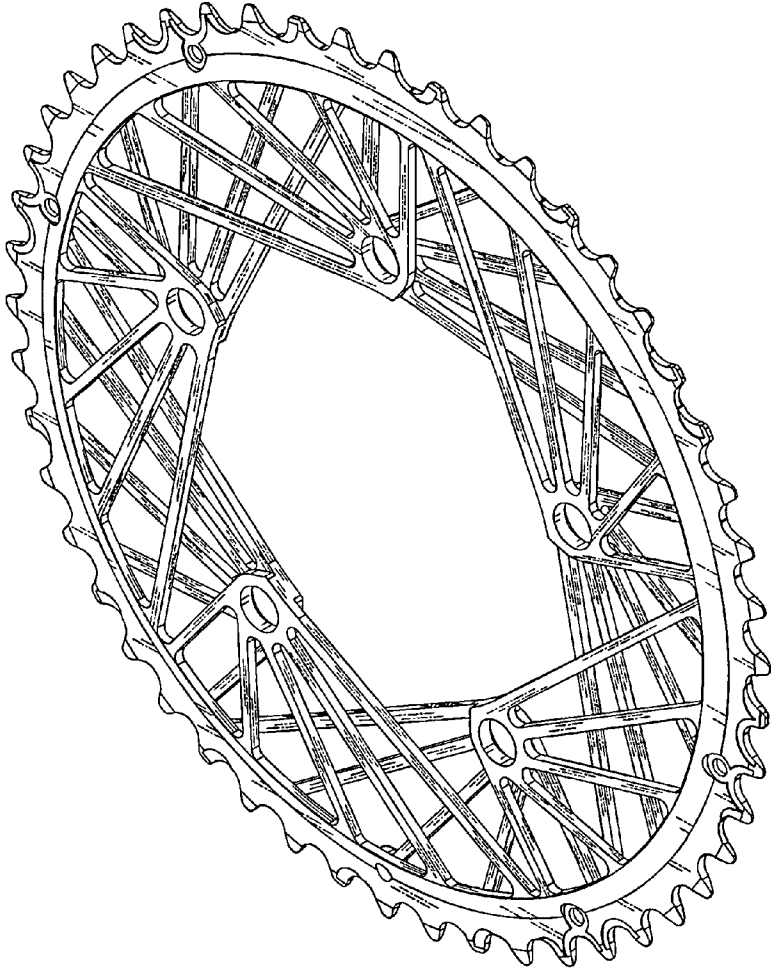


FIG. 1

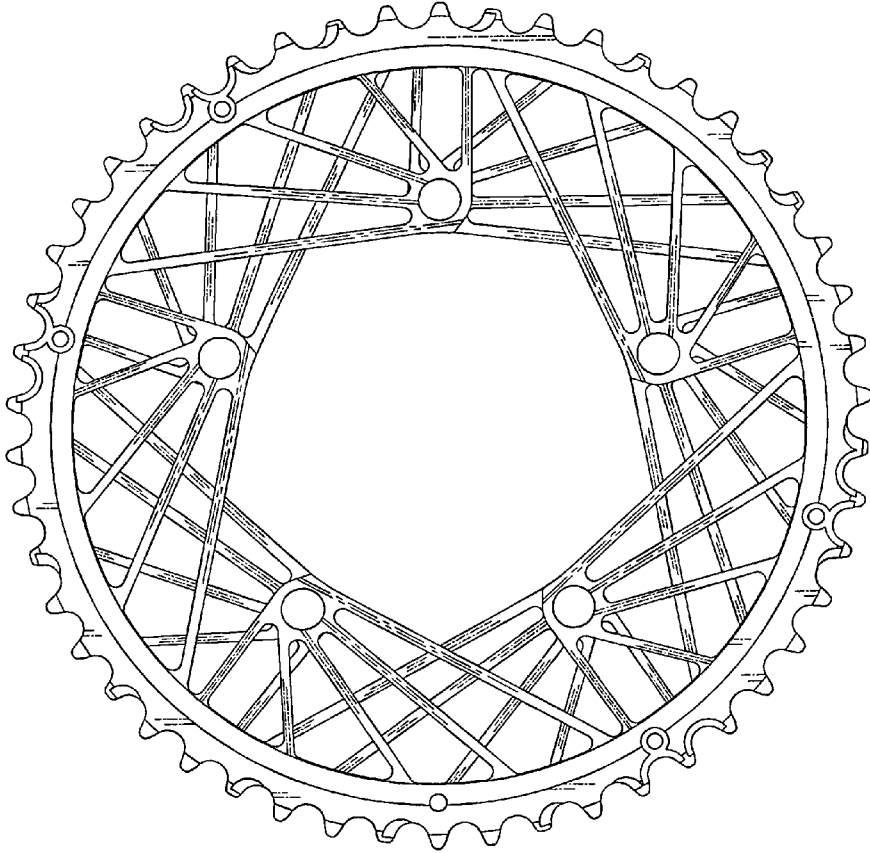


FIG. 2

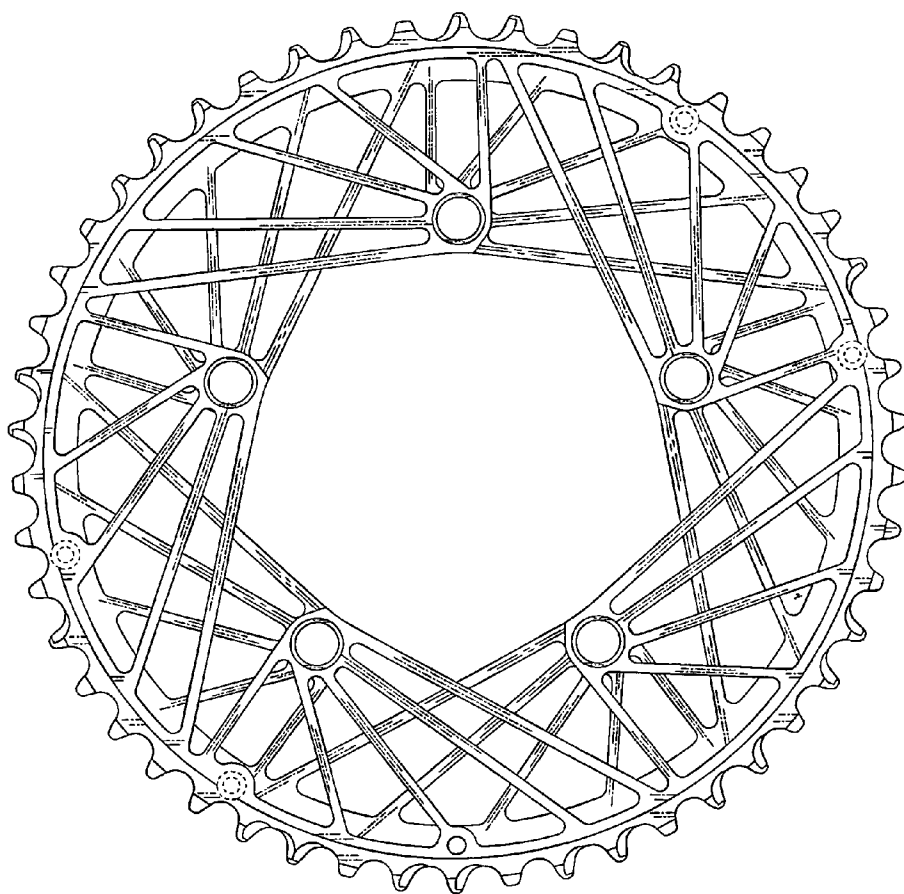


FIG. 3



FIG. 4



FIG. 5



FIG. 6

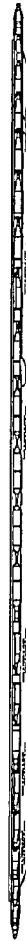


FIG. 7