

UNITED STATES PATENT OFFICE.

CHARLES H. METZ, OF WALTHAM, MASSACHUSETTS.

DESIGN FOR A CRANK-SHAFT MEMBER.

SPECIFICATION forming part of Design No. 30,537, dated April 11, 1899.

Application filed March 2, 1899. Serial No. 707,559. Term of patent 7 years.

To all whom it may concern:

Be it known that I, CHARLES H. METZ, of Waltham, in the county of Middlesex and State of Massachusetts, have invented and
5 produced a new and original Design for Crank-Shaft Members, of which the following is a specification, reference being had to the accompanying drawings, forming part thereof.

In the drawings, Figure 1 represents an elevation of a crank-shaft member, illustrating
10 my new design. Fig. 2 represents a sectional view of the same, taken on a line X X, Fig. 1.

The leading feature of my new design for crank-shaft members consists in the design
15 as herein shown and described.

In the drawings, on the exterior the member has the cylindrical portion 5 with the enlargements 6 and 7. The enlargement 7 has

the conical shoulder 8, increasing the diameter to meet the cylindrical surface 9, which
20 extends to the spirally-grooved enlarged portion 10 having the flange 11, from the outer end surface of which the arm 12 extends. On the interior the main bore 13 of the member is reduced in diameter by the inwardly-
25 inclined sides 14 14 to meet the smaller bore 15, which has the spiral groove 16 for a portion of its length.

What I claim is—

The design for a crank-shaft member as
30 herein shown and described.

CHARLES H. METZ.

Witnesses:

W. STANLEY CAMPBELL,
H. J. MILLER.