July 5, 1927. 1,634,438

C. C. SPREEN

PULLEY

Filed July 31, 1926

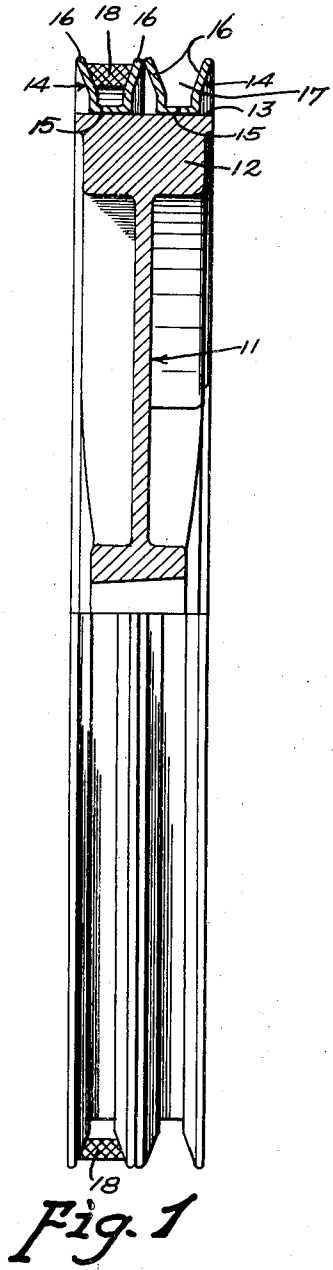

Fig. 1

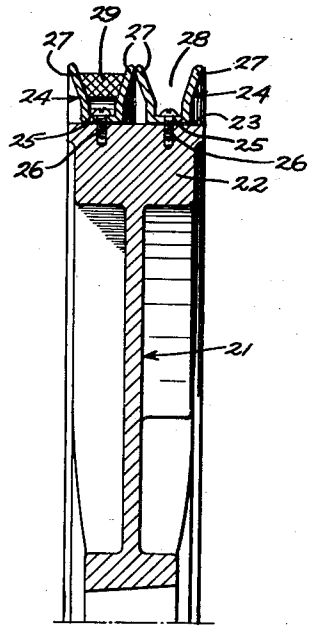

Fig. 2

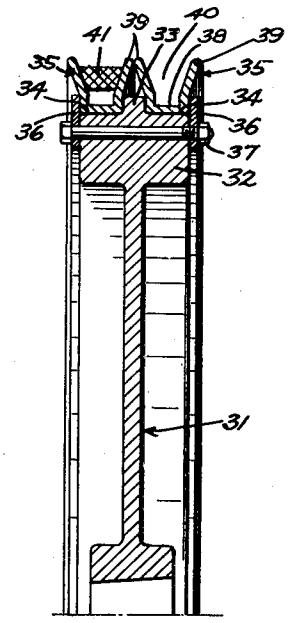

Fig. 3

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UNITED STATES PATENT OFFICE.

CHARLES C. SPREEN, OF DETROIT, MICHIGAN, ASSIGNOR TO ELECTRIC REFRIGERATION CORPORATION, OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

PULLEY.

Application filed July 31, 1926. Serial No. 126,309.

My invention relates to pulleys, and particularly to pulleys for V belts, and the particular object of my invention is to provide a new and improved pulley of this type.

In the drawings accompanying this specification and forming a part of this application I have shown, for purposes of illustration, three forms which my invention may assume. In these drawings:

Figure 1 is a view partly in section and partly in elevation showing the first form of my invention illustrated herein, while

Figures 2 and 3 are fragmentary sections showing the second and third embodiments of my invention illustrated herein.

The embodiment of my invention shown in Figure 1 comprises a hub means 11 provided with an annular felloe 12 having a flat peripheral face 13, and a pair of annular members 14 disposed side by side upon the peripheral face 13 of the felloe 12, each provided with a flat base portion 15, each secured in position upon the hub means 11 by shrinking the base portion 15 about the felloe 12, and each provided on each side of the base portion 15 with complementary upstanding portions 16 together forming a V groove 17 adapted to receive a V belt 18 as shown.

The embodiment of my invention shown in Figure 2 comprises a hub means 21 provided with an annular felloe 22 having a flat peripheral face 23, and a pair of annular members 24 disposed side by side upon the peripheral face 23 of the felloe 22, each provided with a flat base portion 25, each secured in position by screws 26 passing through the base portion 25 into the felloe 22, and each provided on each side of the base portion 25 with complementary upstanding portions 27 together forming a V groove 28 adapted to receive a V belt 29 as shown.

The embodiment of my invention shown in Figure 3 comprises a hub means 31 provided with an annular felloe 32 having on its peripheral face a central rib 33 flanked on either side by a seat 34, and a pair of annular members 35 disposed side by side upon the peripheral face of the felloe 32 one in each of the seats 34 abutting that side of the rib 33, secured in position upon the hub means 11 by plates 36 themselves held in position by bolts 37, and each comprising a base portion 38 flanked by complementary upstanding portions 39 together forming a V groove 40 adapted to receive a V belt 41 as shown.

From the above disclosure it will be obvious to those skilled in the art that I have provided means accomplishing at least the principal object of my invention. At the same time it will also be obvious to those skilled in the art that the particular embodiments of my invention herein shown and described may be variously changed and modified without departing from the spirit of my invention or sacrificing the advantages thereof, and particularly that any number of annular members may be employed to accommodate any number of belts, and it will therefore be understood that the disclosure herein is illustrative only, and that my invention is not limited thereto.

I claim:

1. A belt pulley comprising hub means having an annular felloe connected therewith, said felloe having a radially projecting rib spaced inwardly from an edge thereof, an annular member substantially V-shaped in cross sections, positioned on said felloe in contact with said rib and means for securing said annular member in position on said felloe.

2. A belt pulley comprising hub means having an annular felloe connected therewith, said felloe having a radially projecting rib spaced inwardly from an edge thereof, an annular member substantially V-shaped in cross section, positioned on said felloe in contact with said rib and a ring projecting radially beyond the peripheral edge of said felloe and secured to said felloe for holding said annular member in position on said felloe.

3. A belt pulley comprising hub means having an annular felloe connected therewith, said felloe having a radially projecting rib spaced inwardly from the edges thereof, a pair of annular members substantially V-shaped in cross section, positioned on said felloe in contact with said rib and means for securing said annular members in position on said felloe.

4. A belt pulley comprising hub means

having an annular felloe connected therewith, said felloe having a radially projecting rib spaced inwardly from the edges thereof, a pair of annular members substantially V-shaped in cross section, positioned on said felloe in contact with said rib and rings projecting radially beyond the peripheral edges of said felloe and secured to said felloe for holding said annular members in position on said felloe.

In testimony whereof I hereunto affix my signature.

CHARLES C. SPREEN.