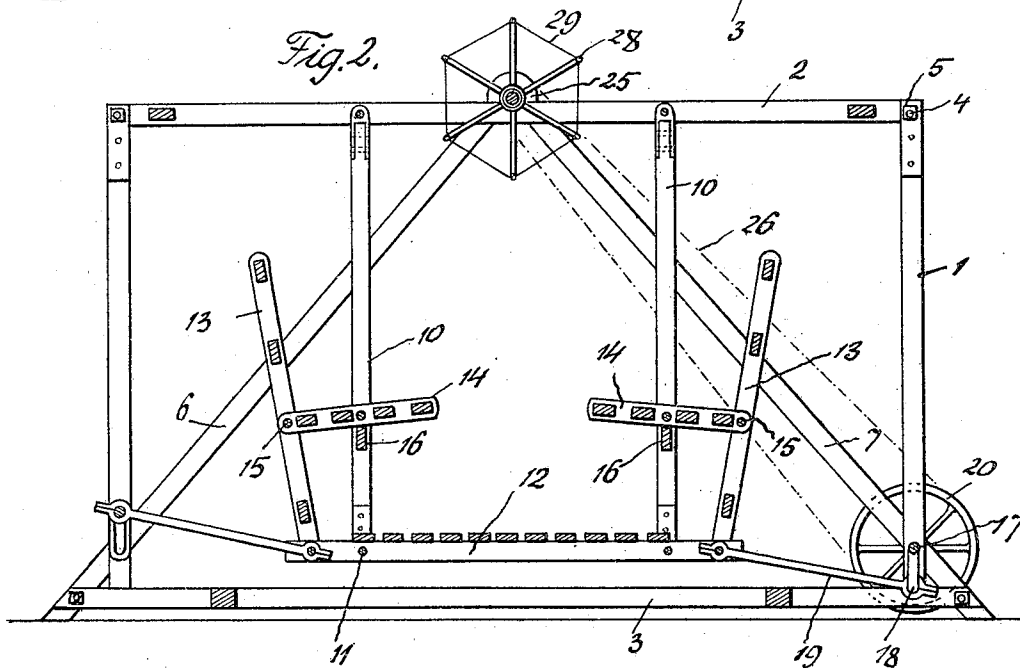
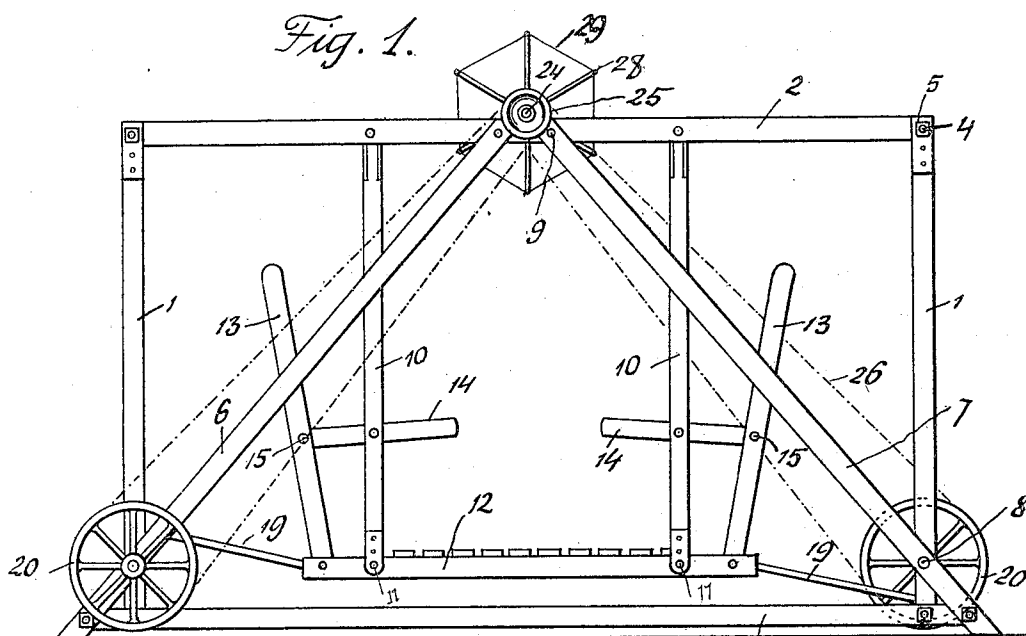


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FAN ATTACHMENT FOR SWINGS.
APPLICATION FILED NOV. 29, 1909.

953,463.

Patented Mar. 29, 1910.

2 SHEETS—SHEET 1.



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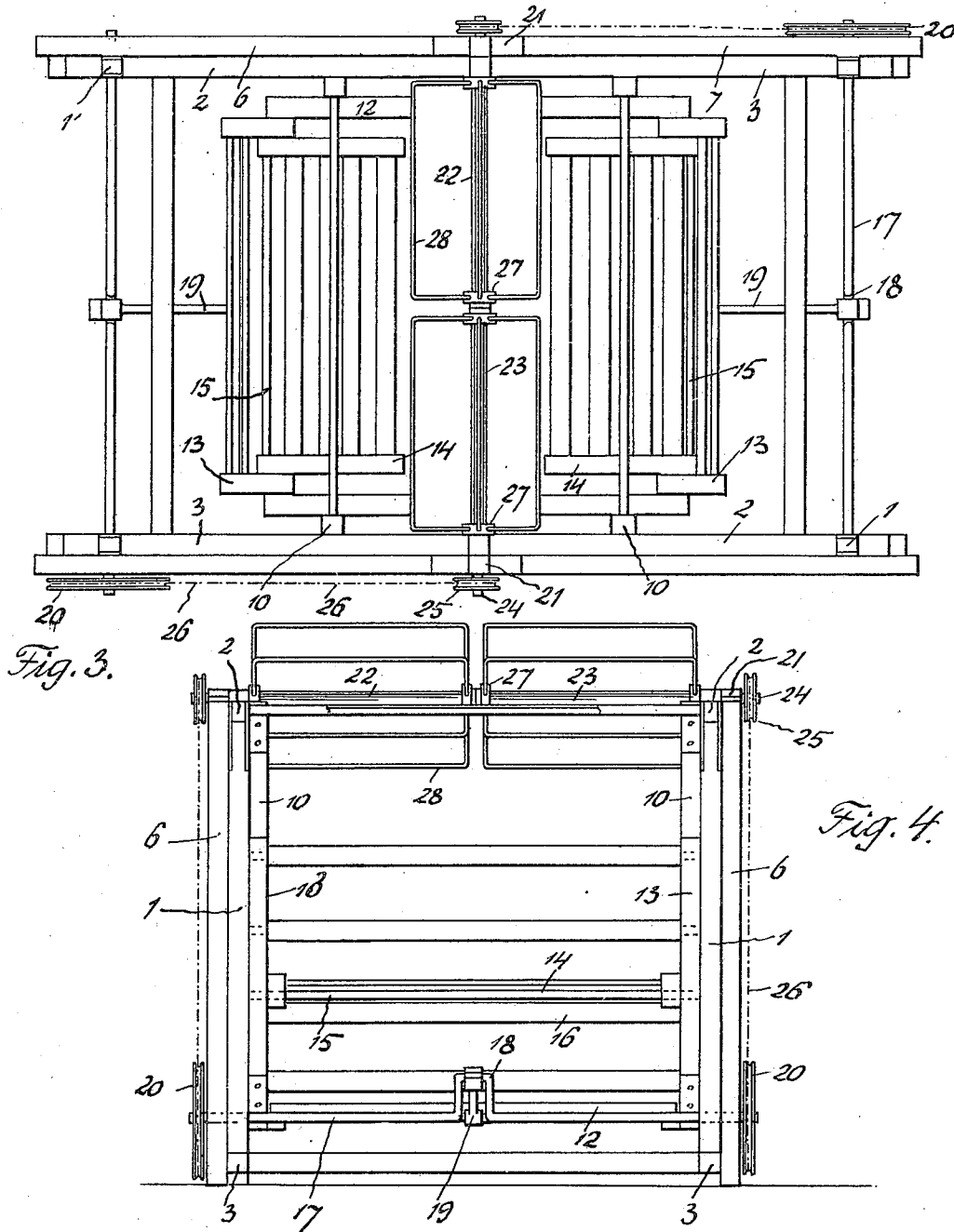


Fig. 3.

Fig. 4.

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UNITED STATES PATENT OFFICE.

JOSEPH HAJDÚ AND MICHAEL KOVÁCS, OF PRICEDALE, PENNSYLVANIA.

FAN ATTACHMENT FOR SWINGS.

953,463.

Specification of Letters Patent.

Patented Mar. 29, 1910.

Application filed November 29, 1909. Serial No. 530,477.

To all whom it may concern:

Be it known that we, JOSEPH HAJDÚ and MICHAEL KOVÁCS, subjects of the Emperor of Austria-Hungary, residing at Pricedale, in the county of Westmoreland and State of Pennsylvania, have invented certain new and useful Improvements in Fan Attachments for Swings, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to fan attachments for swings of that type commonly styled porch and lawn swings, and having stationary supporting frames.

The primary object of our invention is to provide a swing of the above type with revolvable fans which will be revolved by an oscillating movement of the swing proper.

Another object of this invention is to provide a swing with two rotary fans and novel means for revolving the fans in opposite directions to provide two currents of air that will refresh and cool persons using the swing.

With these and such other objects in view as may hereinafter appear, the invention consists of the novel construction, combination and arrangement of parts to be hereinafter specifically described and then claimed.

Reference will now be had to the drawing forming a part of this specification, wherein there is illustrated a preferred embodiment of our invention; but it is to be understood that the structural elements thereof can be varied or changed, as to the size, shape and manner of assemblage without departing from the spirit of the invention.

In the drawings:—Figure 1 is a side elevation of a swing provided with our improved fan attachment, Fig. 2 is a vertical longitudinal sectional view of the same, Fig. 3 is a plan of the swing, and Fig. 4 is an end view of the same.

The swing comprises two parallel vertical frames, each frame consisting of vertical posts 1 and longitudinal bars 2 and 3, the latter being of a greater length than the former. The ends of the posts and bars 2 and 3 are suitably connected together, as by bolts 4 and nuts 5.

Connected to the ends of the bars 3 are A frames 6 and 7, which are connected to the posts 1, as at 8, and to the bars 2, intermediate the ends thereof, as at 9. The lower

ends of the A frames 6 and 7 constitute legs 55 for supporting the frames slightly above the ground or floor.

Pivotally connected to the bars 2 are hangers 10 and pivotally connected to said hangers, as at 11 is a platform 12, said platform in conjunction with the hangers 10 supporting chair backs 13 and seats 14, the former being connected to the ends of the platform 12 and the latter connected to the back frames, as at 15 and resting upon transverse braces 16 connecting the hangers.

The swing frame and the swing proper as just described are somewhat similar to porch and lawn swings at present used, and it is in this connection, that we reserve the right to utilize any safe structure for supporting the swing proper.

Revolubly mounted in the A frame 7 and serving functionally as the means heretofore referred to for connecting the posts 1 to the A frames, are shafts 17 provided intermediate their ends with cranks 18. The cranks 18 are loosely connected by pitmen 19 to the ends of the platform 12, as best shown in Fig. 2 of the drawings. The shafts 17 upon opposite sides of the swing frame are provided with pulleys or sprocket wheels 20.

The bars 2 intermediate the ends thereof are provided with bearings 21 and journaled in said bearings are sleeves 22 and 23 having the inner ends thereof loosely connected by a rod 24 loosely mounted in the sleeves 22 and 23. The outer ends of the sleeves 22 and 23 are provided with pulleys or sprocket wheels 25 and over the pulleys or sprocket wheels 25 are adapted to travel endless belts or chains 26. Upon the sleeves 22 and 23 are mounted hubs 27 supporting radially disposed blade frames 28 adapted to support blades made of canvas, paperoid or a suitable light material. The outer edges of the frames 28 at the ends thereof can be connected by wires or rods 29.

When the swing is oscillated by the occupants of the seats 14, a rotary movement is imparted to the crank shafts 17 through the medium of the pitmen 19, and this rotary movement is transmitted to the sleeves 22 and 23 through the medium of the wheels 20, 25 and chains 26. The sleeves will be revolved in opposite directions and the air set in motion by the blades of each sleeve. As the fans are located centrally of the

swing and above the occupants of the swing, the occupants will be fanned while the swing is oscillated.

5 Having now described our invention what we claim as new is:—

10 1. In a fan attachment for swings, the combination with swing frames and a swing suspended between said frames and adapted to be oscillated, of crank shafts revolubly supported by the ends of said frames and
15 connected thereto so as to be revolved by an oscillating movement of said swing, sleeves revolubly supported upon said frames, fans carried by said sleeves, and means adapted to impart a rotary movement to said sleeves from said crank shafts.

20 2. In a fan attachment for swings, the combination with swing frames and a swing suspended between said frames and adapted to be oscillated, of crank shafts revolubly supported by the ends of said frames and connected thereto so as to be revolved by an oscillating movement of said swing, sleeves revolubly supported upon said frames, fans

carried by said sleeves, means adapted to 25 impart a rotary movement to said sleeves from said crank shafts, said means including pulleys carried by said crank shafts, pulleys carried by said sleeves, and endless belts adapted to travel over said pulleys. 30

3. In a fan attachment for swings, the combination with swing frames, a swing suspended between said frames and adapted to be oscillated, of crank shafts revolubly supported by said swing frames and con- 35 nected thereto so as to be revolved by an oscillating movement of said swing, fans revolubly supported by said frames, and means actuated by said crank shafts and adapted to revolve said fans in opposite directions. 40

In testimony whereof we affix our signatures in the presence of two witnesses.

JOSEPH HAJDÚ.
MICHAEL KOVÁCS.

Witnesses:

MIKE SZUROMI,
ENDI KUBIK.