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G. VINSON.

INSECT DISTURBING DEVICE FOR MIRRORS.

(Application filed Mar. 15, 1901.)

(No Model.)

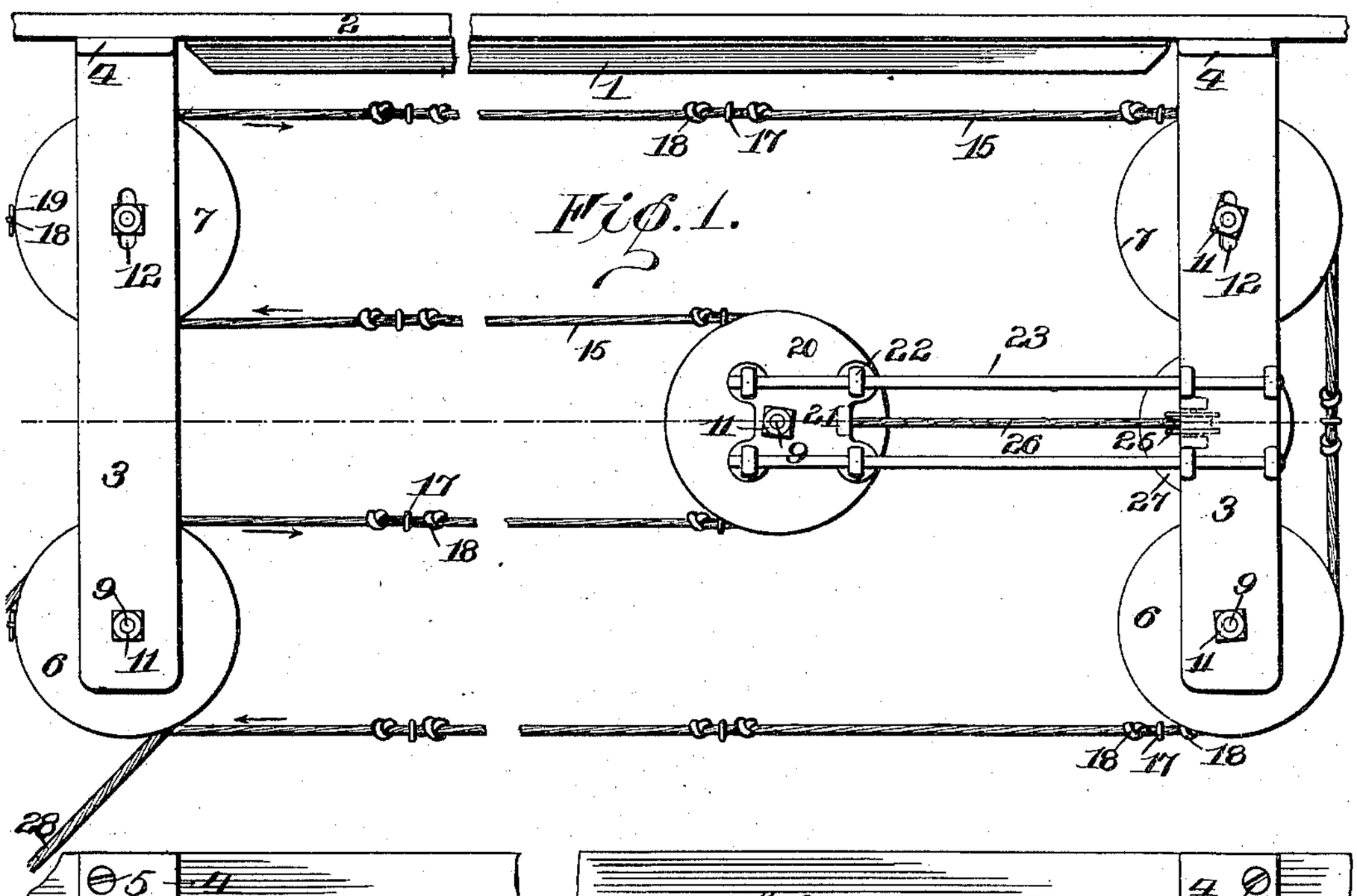

Fig. 1.

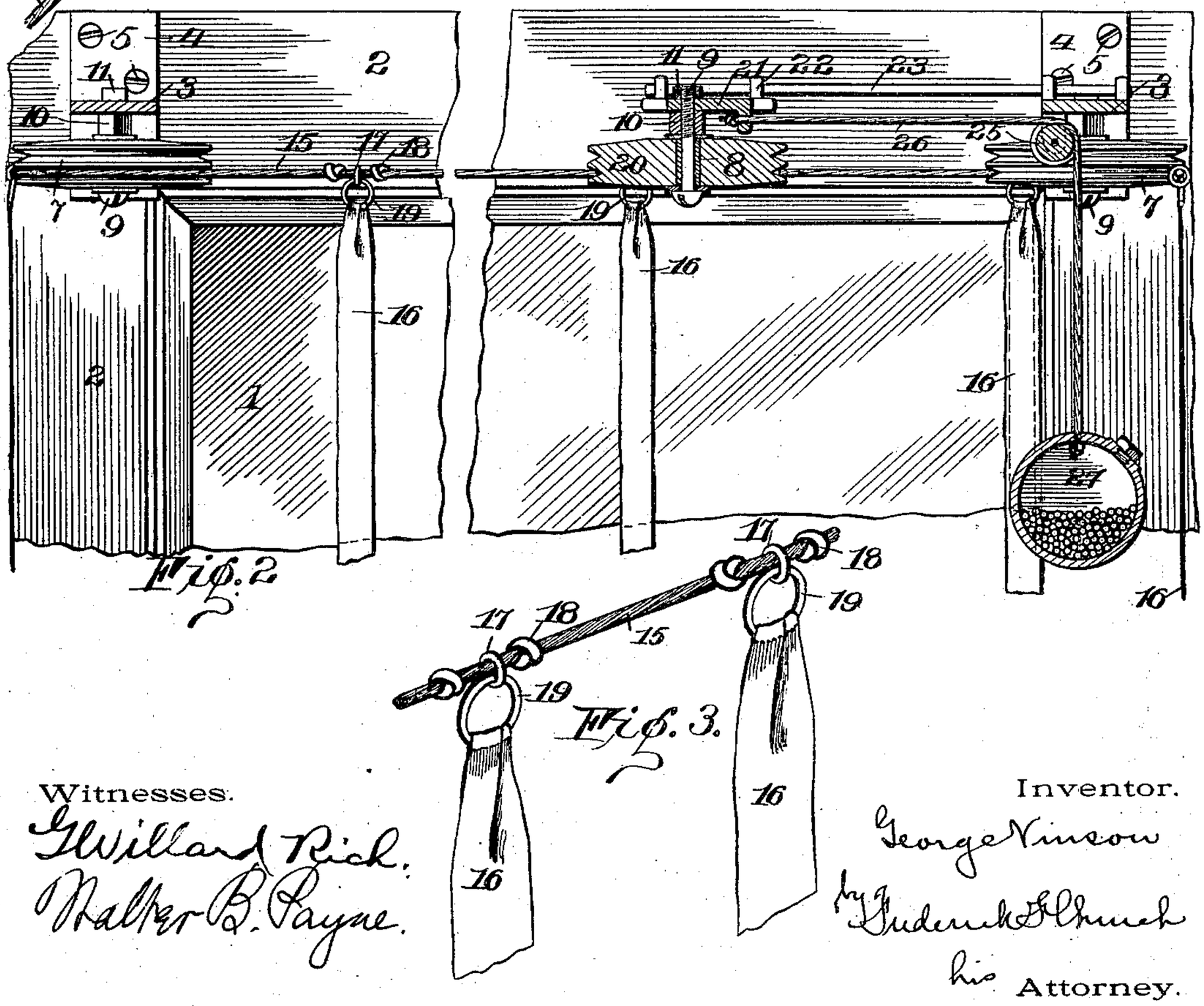

Fig. 2.

Fig. 3.

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GEORGE VINSON, OF ROCHESTER, NEW YORK.

INSECT-DISTURBING DEVICE FOR MIRRORS.

SPECIFICATION forming part of Letters Patent No. 687,799, dated December 3, 1901.

Application filed March 15, 1901. Serial No. 51,222. (No model.)

To all whom it may concern:

Be it known that I, GEORGE VINSON, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Insect-Disturbing Devices for Mirrors; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

My present invention has for its object to provide a device adapted to be used before a mirror for the purpose of producing incidentally an optical effect which will attract attention, but principally for the purpose of preventing flies from alighting on the surface and soiling it.

With these ends in view my invention further consists in the details of construction and the combination of elements hereinafter set forth and more specifically designated in the claims.

In the drawings, Figure 1 is a top plan view of a device constructed in accordance with my invention. Fig. 2 is a front elevation, and Fig. 3 is a detail perspective view.

Similar reference-numerals in the several figures indicate similar parts.

My device is adapted to be arranged to operate before a mirror 1, mounted in the usual frame 2, and it embodies two outwardly-projecting arms or brackets 3, provided with feet 4, through which extend securing-screws 5. These arms are secured to the wall or frame 2 at opposite sides of the mirror, and at their outer ends are pulleys 6 and at their inner ends are also arranged similar pulleys 7. The latter may be constructed of any suitable material, and in the present instance I have employed wood and provided each pulley with an internal bushing 8. They are supported upon the lower side of the arms or brackets by bolts 9, the upper ends of which are threaded and adapted to receive the nuts 10 and 11, which engaging on opposite sides of the arms serve not only to hold the bolts rigidly in place, but also to permit their adjustment to take up wear. The studs or bolts supporting the rear or inner pulleys 7 operate through slots 12, permitting the rollers to be adjusted relative to the mirror 1. Extending around the pulleys is an endless belt 15, carrying the ribbons or streamers 16, which may be placed thereon any desired distance apart. In Fig. 3 I have shown a convenient means for attaching the ribbons, consisting of small rings 17, slipped upon the belt and prevented from longitudinal movement thereon by clips 18, secured to the cord or belt on each side of the ring, and as the clips are composed of narrow strips of metal wrapped around the belt they may be firmly attached and prevented from slipping thereon by tucking the ends of the metal under the encircling portion thereof, so that they will be similar in appearance to knots tied in the cord. Suspended from the rings 17 are larger rings 19, into which the ribbons are secured. This arrangement provides a loose connection between the ribbons and the belt, and the clips on the latter as they pass the pulleys may, if desired, vibrate the belt slightly and cause the ribbons to shake.

In order to increase the number of the laps or stretches of belt passing before the mirror, I employ an additional pulley 20, around which the belt is passed, and as it is desirable to provide a means of tightening the belt I have mounted the pulley 20 upon a slide 21, provided with eyes 22, preferably cast thereon, engaging parallel rods 23, secured rigidly to one of the arms 3. Mounted on the latter arms is a pulley 25, over which extends a cord 26, attached at one end to the carriage or slide 21 and having on its opposite extremity a weight 27, which provides a constant tension on the belt. The weight 27 is a hollow body, which may be filled with shot, as shown, to increase the weight and to produce the desired tension, which will require adjustment relative to the length of belt employed, or any other form of tension device may be employed.

The device may be operated by any suitable form of motor, to which a belt 28 may lead from one of the pulleys, provided with a double belt-groove, and in order to simplify the construction and make the parts interchangeable I provide all of the pulleys with the double grooves, as shown.

The ribbons may be of any desired width or combination of colors which will produce a pleasing effect as they are reflected in the

mirror while crossing and recrossing in front thereof.

The device as a whole is simple, and constructed as described it makes an attractive device, particularly adapted to be arranged before the mirrors used in connection with bar-fixtures and above the counters in candy-stores and similar places. The several portions of the belt being overlapped and the lapped portions traveling in opposite directions, both outside of and in the mirror, produces the effect of a very complicated and intricate moving mass to the eye of the spectator, and by having two portions of the band or belt passing in front of the mirror in opposite directions a comparatively short distance from it and from each other the insects are not liable to light on the surface again after the passage of a single ribbon.

I claim as my invention—

1. In an apparatus of the class described, the combination with the support, pulleys thereon and a horizontal longitudinally-movable belt extending around the pulleys, of a plurality of depending streamers arranged on the belt at intervals and attached thereto at their upper ends only.

2. In a device of the class described, the combination with supports, a series of pulleys thereon, and a traveling belt arranged upon said pulleys so as to form a series of stretches extending in opposite directions, of ribbons or streamers attached to the belt.

3. In a device of the class described, the combination with a mirror, supports arranged before the mirror having pulleys thereon, and a traveling belt carried upon the pulleys, of ribbons or streamers attached to the belt at one end and adapted to be carried across in front of said mirror.

4. In a device of the class described, the combination with a mirror, supports extending before the mirror having pulleys thereon, and a traveling belt arranged upon the pulleys so as to form a plurality of overlapping portions, of ribbons or streamers loosely attached to the belt and adapted to cross and recross before the mirror.

5. The combination with a mirror, supports extending in front of the latter having pulleys, guides on one of the supports, and a belt-tightener pulley adjustably mounted thereon, of a belt passing around all of the pulleys and a series of ribbons or streamers attached to the belt.

6. The combination with a mirror, supports having pulleys thereon extending in front of the mirror, guides on one of the supports, and a belt-tightener pulley movably mounted on the guides, of a traveling belt passing around all the pulleys, a tension device operating the tightener-pulley to tighten the belt, and a series of ribbons attached to the belt.

7. The combination with a mirror, supports arranged before the mirror having a series of pulleys, and a traveling belt mounted on the pulleys, of rings slidably mounted on the belt, means for limiting their movement thereon and ribbons or streamers attached to the rings.

8. The combination with a mirror, supports arranged before the mirror having a series of pulleys, and a traveling belt mounted on the pulleys, of a ring having a ribbon or streamer attached thereto, and a fastening device securing said ring to the belt.

9. The combination with a mirror, supports arranged before the mirror having slotted apertures and provided with pulleys on their outer ends, pulleys on the inner ends of the arms, and bearings supporting said pulleys and engaging said apertures whereby they may be adjusted relative to the face of the mirror, of a traveling belt surrounding the pulleys, means for operating the latter and a series of ribbons or streamers attached to the belt at one end.

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