

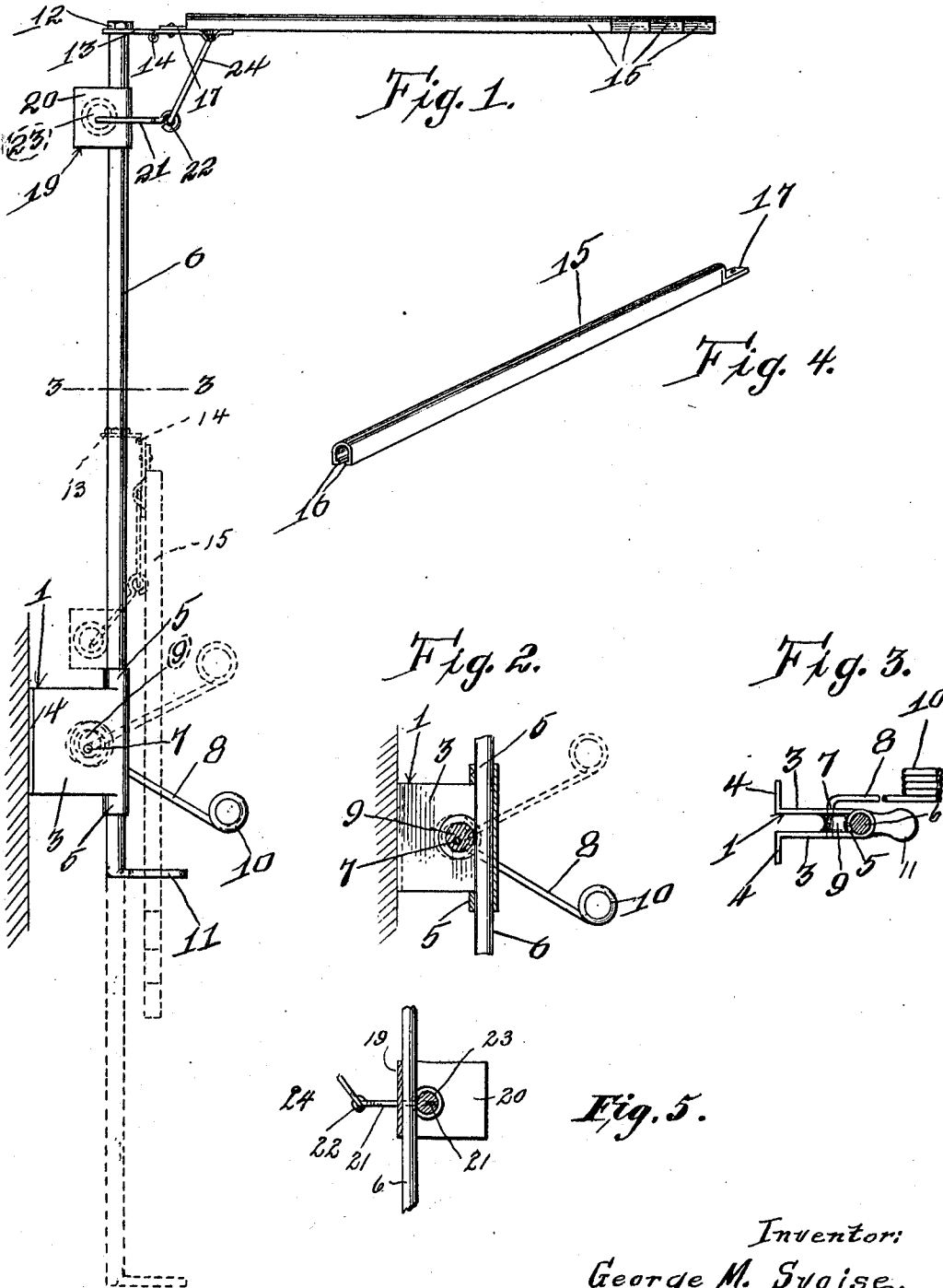
G. M. SVOJSE.

CLOTHES DRIER.

APPLICATION FILED JUNE 20, 1910.

992,923.

Patented May 23, 1911.



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE M. SVOJSE, OF CHICAGO, ILLINOIS.

CLOTHES-DRIER.

992,923.

Specification of Letters Patent.

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Application filed June 20, 1910. Serial No. 567,991.

To all whom it may concern:

Be it known that I, GEORGE M. SVOJSE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Clothes-Driers, of which the following is a specification.

My invention relates to a clothes drier, but more particularly to that class of clothes driers which are capable of vertical adjustment.

The principal object of my invention comprehends the production of a device of the above character, in which the standard of the drier is slidably mounted in a bracket fixed to the wall, or other structure, thereby giving the drier a wide range of adjustment; and in which gravity operated means are employed to hold the drier at the desired adjustment.

A further object of my invention is to provide the upper end of the standard of the drier with a hinged plate, to which the inner ends of the clothes holding arms are pivotally connected, and having means operated by the weight of the clothes on the arms to hold the same in a horizontal position, but which will allow the arms to drop against the side of the standard, so as to occupy only a small space, when the drier is not in use.

In the accompanying drawing, which forms a part of this specification, and in which like reference numerals indicate corresponding parts throughout the several views,—Figure 1 is a side elevation of the drier complete, and showing, in dotted lines, the position it occupies when not in use. Fig. 2 is a vertical sectional view taken through the supporting bracket, and showing the gravity operated means for holding the standard of the drier in raised position, and illustrating, in dotted lines, the manner of releasing the gravity operated means, to allow the standard to be lowered. Fig. 3 is a section taken on the line —3—3— of Fig. 1, looking down. Fig. 4 is a detail perspective of one of the clothes holding arms, and Fig. 5 is a detail vertical section through the upper guide.

Reference being had to the drawing, and the numerals indicated thereon, 1 denotes the supporting bracket, which is securely fastened to the wall, or other structure, by means of screws, or the like. The bracket 1 is stamped out of a single piece of sheet metal, and, as shown most clearly in Fig. 3,

it comprises spaced side plates 3 which have their free ends bent outwardly, at right angles, to form feet 4, through holes in which the fastening screws pass. The front end of the bracket is curved, and extends a short distance beyond the upper and lower edges of the side plates 3, and is provided with ears 5 which are bent to form guides, through which the standard 6 of the drier passes. Mounted horizontally in alined openings formed in the side plates 3, rearwardly of the standard 6, is a shaft 7, which extends a short distance beyond one of the side plates, and is then bent forwardly, to form a handle 8. Fixed eccentrically on the shaft 7, between the side plates 3, is a grooved roller 9, the groove of which conforms to the curvature of the standard 6. The end of the handle 8 is coiled, as at 10, and serves as a weight to normally hold the grooved roller 9 in contact with the side of the standard 6, and as said roller 9 is eccentrically mounted on the shaft 7, it will cause the standard 6 to be tightly jammed between the roller and the front end of the bracket 1. To lower the standard 6, the handle 8 is lifted, which will cause the roller to move out of contact with the standard 6, when the same is free to move downward. As soon as the handle is released, force of gravity will cause the same to drop, to the position shown in full lines in Fig. 1, and the roller 9 to again engage the side of the standard 6, thereby holding the standard at whatever height it may be moved to. To facilitate the manipulation of the standard, its lower end is formed with a finger hold 11.

Fastened to the upper end of the standard 6, by means of a nut 12, is the stationary section of a hinged plate 13, the hinge of which is indicated at 14, and may be of any desired construction. Pivotaly mounted on the outer end of the plate 13, are the inner ends of the clothes holding arms 15. These arms 15 are formed of a single piece of sheet metal, bent as shown in Fig. 4, and have their lower ends bent inwardly, as at 16, to prevent any liability of the clothes, placed thereon, becoming torn. The inner ends of the arms 15 are flattened, as at 17, through which flattened portions the rivets, which pivotally connect the arms 15 to the plate 13, are passed.

Slidably mounted on the standard 6, is a guide 19 having rearwardly extending side plates 20. Mounted horizontally in alined

openings formed in the side plates 20, rearwardly of the standard 6, is one end of a rod 21, the other end of which extends forwardly to a position in front of the standard 6, where it is provided with an eye 22. Fixed eccentrically on the rod 21, between the side plates 20 of the guide, is a grooved roller 23, similar to the roller 9, of the bracket 1. Connected to the eye 22, of the rod 21, is the lower end of a V-shaped link 24, the upper ends of which are pivotally connected to the movable section of the plate 13, near its front edge. When the front end of the rod 21 is moved down to the position shown in full lines, in Fig. 1, it will cause the eccentric roller 23 to tightly grip the standard 6, and hold the guide 19 stationary thereon. When the drier is not in use, and it is desired to fold the clothes holding arms against the side of the standard, the movable section of the plate 13 is raised until the eye 22, of the rod 21, comes in contact with the side of the standard 6. This will cause the eccentric roller 23 to move out of contact with the standard, when the guide 19 will be free to slide down the standard, and the movable section of the plate 13, together with the clothes holding arms 15, to drop, as shown by dotted lines in Fig. 1. By this arrangement, it will be seen that the weight of the clothes, or even the weight of the arms alone, will serve to lock the guide 19 to the standard 6, to hold the arms in a horizontal position, but by raising said arms, it will unlock the guide 19 to allow the same to slide down the standard, and the arms to be folded against the side thereof.

In the practical use of my invention, the bracket 1 is securely fastened to the wall, and the arms 15, together with the movable section of the plate 13, raised to a horizontal position. The weight of the arms 15 will cause the link 22 to push the rod 21 down, which will cause the eccentric roller 23 to engage the side of the standard 6 with sufficient force to hold the guide 19 stationary, and the arms 15 horizontal. The

clothes are then placed on the arms 15, and the weight thereof will cause the roller 23 to bind more tightly against the standard, and securely hold the guide 19 from sliding downwardly thereon. The standard 6 is then pushed upwardly, by means of the finger hold 11, until the clothes will be out of the way. As soon as the upward movement of the standard 6 is stopped, force of gravity will cause the handle 8 to drop and cause the eccentric roller 9 to engage the side of the standard and securely hold the same at any position it may be moved to. In raising the standard, it is not necessary to lift the handle 8, as the upward movement of the standard will cause the roller 9 to move out of contact therewith automatically, but to lower the standard, the handle 8 must be lifted and held in raised position while the standard is descending.

From the foregoing it will be seen that a drier constructed in accordance with my invention will be extremely simple and inexpensive in construction, but which will be strong and durable, and at the same time admirably serve the purpose for which it is intended.

I claim:

A clothes drier of the class described, comprising a standard, a hinged plate mounted on the upper end of said standard, clothes supporting arms pivotally mounted on the movable section of said plate, a guide slidably mounted on said standard, a rod mounted in said guide, and extending forwardly to a position in front of the standard, a pulley mounted eccentrically on said rod, within the guide, a link connecting the forward end of said rod with the movable section of the aforesaid plate, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE M. SVOJSE.

Witnesses:

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