No. 815,123. PATENTED MAR. 13, 1906.

F. J. SCHMIDT.

PULLEY CLOTHES LINE ATTACHMENT.

APPLICATION FILED JAN. 26, 1905.

2 SHEETS—SHEET 1.

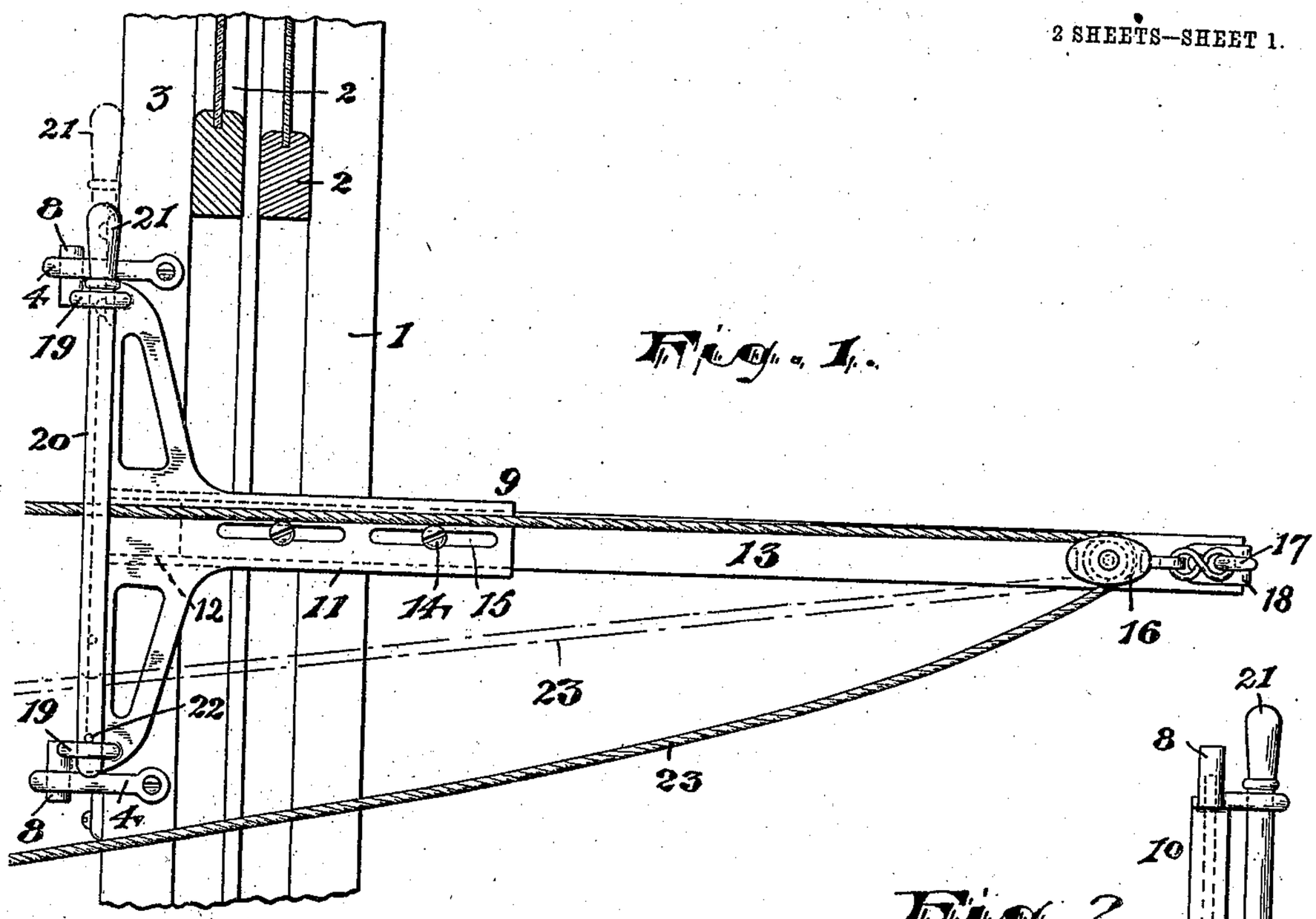

Fig. 1.

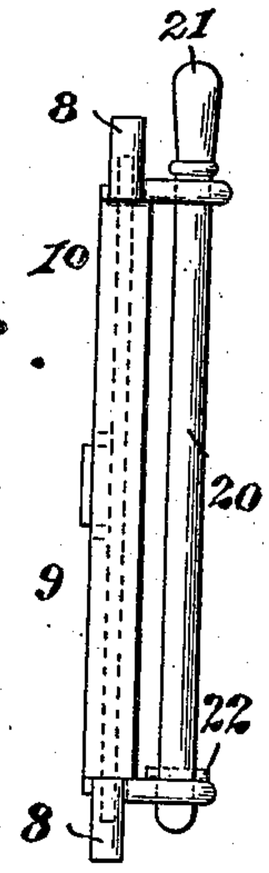

Fig. 2.

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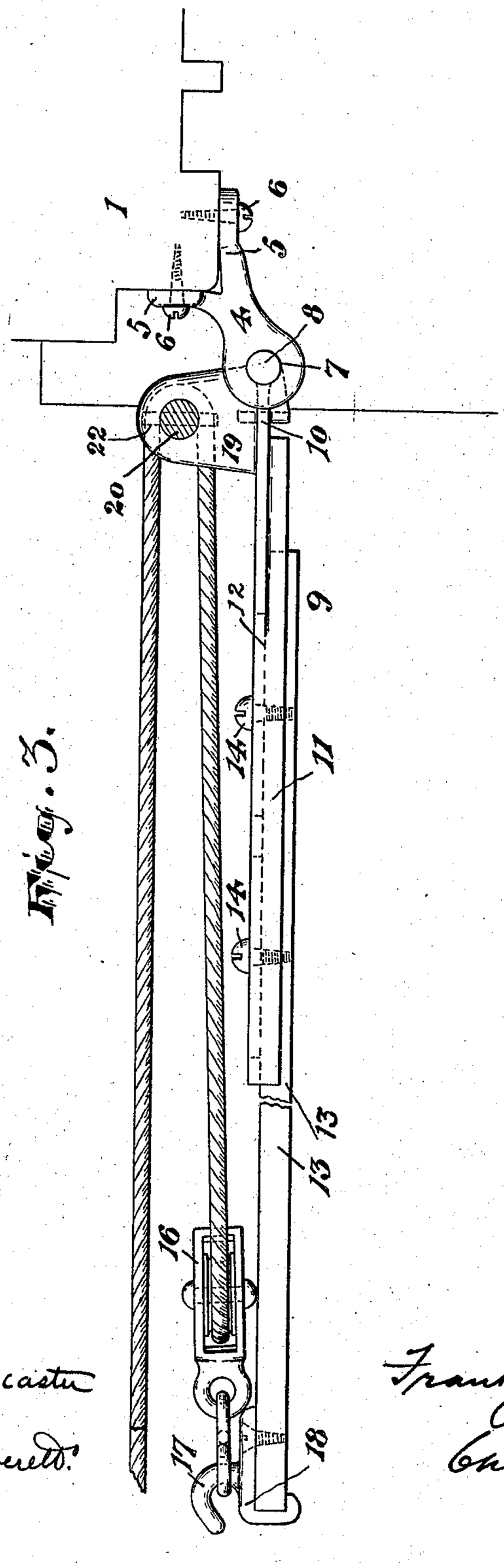
2 SHEETS—SHEET 2.

Fig. 3.



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PULLEY CLOTHES-LINE ATTACHMENT.

No. 815,123. Specification of Letters Patent. Patented March 13, 1906.

Application filed January 26, 1905. Serial No. 242,782.

To all whom it may concern:

Be it known that I, FRANK J. SCHMIDT, a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Pulley Clothes-Line Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to numerals of reference marked thereon, which form a part of this specification.

This invention relates to pulley clothes-lines, and more particularly to the house attachment of said lines or the fastening of them to that portion of the dwelling from which the clothes are placed on the line and said line manipulated. Usually this is done at a window of the house, the clothes-line attachment being mounted at one side of the window-frame and outside the window, and it is to this manner of attachment that my invention is more particularly applicable, although it will be obvious that it could be used to advantage under other conditions.

The objects of the invention are to enable the clothes-line to extend into the room for the purpose of hanging on the clothes, and thus to avoid not only the inconvenience of reaching out of the window, but also the greater danger of falling out the window; to so support the clothes-line by means of an arm pivoted outside the window and which can be swung entirely outside when desired; to provide adjacent to the vertical line of pivoting of said arm means for retaining the strands of the clothes-line, so that no slackness is caused by swinging the arm out of the window; to enable the lower strand of the line upon which the clothes are to be hung to be released from said holding means for hanging on the clothes; to provide an arm which permits either upward or downward inclination of the clothes-line without obstructing its action; to secure a simple and convenient construction and one which can be applied equally well to either side of the window-frame or, in other words, will not be required to be made in rights and lefts; to secure an arm adjustable to the size of the window, and to obtain other advantages and results, some of which may be hereinafter referred to in connection with the description of the working parts.

The invention consists in the improved house attachment for pulley clothes-lines and in the arrangement and combinations of parts of the same, all substantially as will be hereinafter set forth and finally embraced in the clauses of the claim.

Referring to the accompanying drawings, in which like numerals of reference indicate corresponding parts in each of the several figures, Figure 1 is a side elevation of my improved invention, the same being shown projecting into the room. Fig. 2 is an end elevation of the pivotal end of the arm removed from its bearings; and Fig. 3 is a plan of the improved device shown swung out of the window, the head of a certain roller at the hinge being removed for the sake of greater clearness.

In said drawings, 1 indicates a window-frame of any ordinary and well-known construction, having sashes 2 2 adapted to slide therein, and to the outer portion 3 of which beyond the said sashes is adapted to be applied my improved device for supporting the house end of a pulley clothes-line. To this end I apply to said outer portion 3 of the window-frame at the corner or dihedral angle thereof brackets 4, having feet 5 to straddle said angle and be secured thereto, as by screws 6. The body portions of said brackets project diagonally from the corner of the window-frame, and their outer ends are provided with apertures 7, adapted to receive upper and lower pivots 8 8, provided at the upper and lower ends of the normally vertical head or cross-piece 10 of a T-shaped arm 9. The horizontal portion 11 of said arm, which projects laterally from said head or cross-piece at a point preferably half-way between its extremities, is recessed at one side, as at 12, to receive an extension 13, which is preferably of wood. Said extension 13 is secured to the arm 11 by means of screws 14, which are passed through slots 15 in said arm into the wooden extension. Said extension can therefore be adjusted to and clamped in different positions to regulate the length of the arm with respect to the window. At the outer end of said extension 13 of the arm is arranged a clothes-line pulley 16, which may be attached thereto in any suitable manner, although I have shown it hung upon a hook 17, the body portion 18 of which partially embraces and is screwed to said extension. Through said pulley 16 the clothes-line is run as usual, the strands thereof extending along

side the arm 9 closely adjacent thereto and normally between the upper and lower pivots 8 8. It will be understood that the vertical separation of said pivots 8 8 due to the T shape of my improved arm enables a considerable variation in the direction of the clothes-line without causing its interference with said pivots. In other words, the outer end of the clothes-line may be attached, as to the usual pole, at either a high or a low point without the consequent inclination of the line interfering with the operation of the arm, since the length of the cross-head 10 in a vertical direction allows considerable distance between its upper and lower pivots 8 8.

Upon the lower and upper ends of the head 10 of my improved arm are lateral lugs 19 19, which lugs are perforated to form bearings for a vertical roller 20; said roller being inserted from above and having at its upper end a suitable handle 21 and near its lower end a cross-pin 22 to prevent complete withdrawal. This roller lies very near the line of the pivots 8 8, as shown in the drawings, and also at a sufficient distance from the plane of the arm, as shown more particularly in Fig. 2, to permit the strands of the clothes-line to pass between said roller and the head 10 of the arm.

When the arm 9 is extended into the room as shown in Fig. 1, the lower strand 23 of the clothes-line is released from behind the roller 20, so that the clothes-line can be manipulated in the ordinary and usual manner. When it is desired, however, to swing the entire arm outside the window, the said lower strand is replaced behind the roller and the entire arm swung outward into the position shown in Fig. 3. Obviously this does not cause any slackness of the clothes-line, since the roller 20 is so close to the vertical line of pivoting of the arm, and the window can then be closed, as usual, until it is desired to manipulate the line again.

It will be noted that the construction of my entire device is so that it can be applied equally well to either the right-hand or left-hand side of a window-frame, standing in exactly the same relation both to the window and to the user in either case. Furthermore, the length of the arm may be adjusted to different-sized windows, as described.

Having thus described the invention, what I claim as new is—

1. In a device of the character described, the combination with upper and lower brackets presenting pivotal bearings, of a rigid T-shaped arm in one integral piece having its head or cross-piece provided at the opposite extremities with hinge means adapted to coöperate with the said bearings and having its stem or body portion perpendicular to said head at the middle thereof, all said parts lying in the same plane and the said stem or body portion being longitudinally recessed at one side or face of the arm and the head or cross-piece having at the opposite side or face of the arm and on opposite sides of the stem or body portion horizontally-disposed perforated lugs, an extension-arm slidably arranged in said recess of the body portion, and a roller having a cylindrical portion adapted to rotatably lie in the perforations of the said lugs and an enlarged handle at one end adapted to engage the upper lug as a stop.

2. In a device of the character described, the combination with upper and lower brackets presenting pivotal bearings, of a rigid T-shaped arm in one integral piece having its head or cross-piece provided with a straight rear edge and extremities which project rearward from said edge and form hinge means adapted to coöperate with the said bearings, the stem or body portion of the T-shaped arm being in the same plane with the above-mentioned parts and perpendicular to the head or cross-piece at its middle and the said arm having at one side of itself a longitudinal recess in the stem and at its opposite side horizontally-disposed perforated lugs arranged in line with the said straight rear edge of the head or cross-piece and at the opposite ends thereof, an extension-arm slidably arranged in said recess of the body portion, and a roller having a cylindrical portion adapted to rotatably lie in the perforations of the said lugs and an enlarged handle at one end adapted to engage the upper lug as a stop, whereby the strands of the clothes-line may be confined between said roller and the head-piece of the T-shaped arm adjacent to its said straight rear edge.

In testimony that I claim the foregoing I have hereunto set my hand this 12th day of January, 1905.

FRANK J. SCHMIDT.

Witnesses:
CHARLES H. PELL,
RUSSELL M. EVERETT.