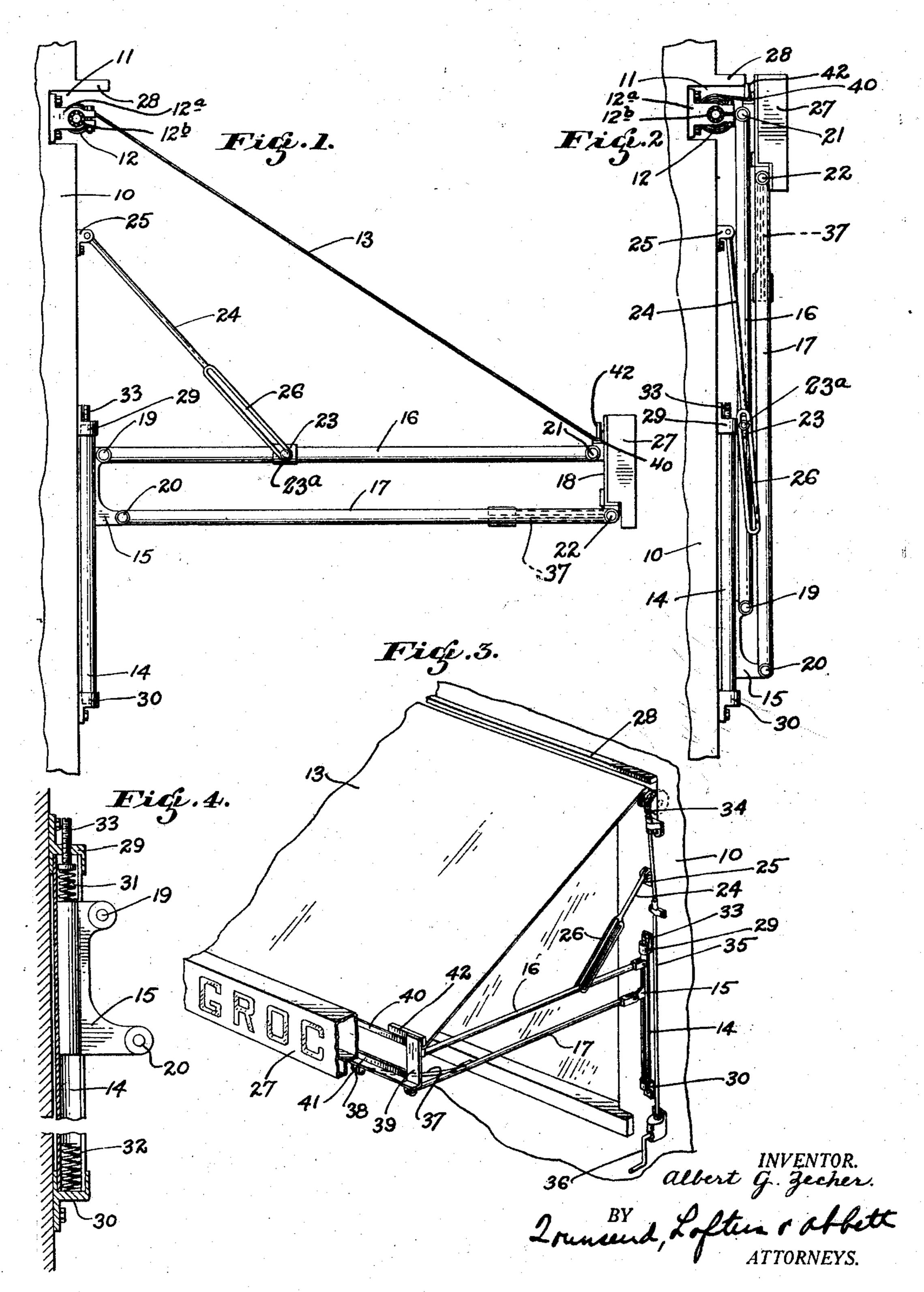
A. G. ZECHER

AWNING SUPPORTING FRAME

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ALBERT G. ZECHER, OF YOLANDO, CALIFORNIA, ASSIGNOR TO GOLDBERG, BOWEN & COMPANY, OF SAN FRANCISCO, CALIFORNIA, A CORPORATION OF CALIFORNIA

## AWNING-SUPPORTING FRAME

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My present invention relates to an im- and 22. It should be noted that the pivots to support a sign or the like.

5 An object of my invention is to provide in a vertical position as will hereinafter 55 an improved type of support for awnings appear. which is adapted to carry a sign and hold. Attached to the upper parallel side arm 16 the same in an operative position when the awning is both in its open and closed po-10 sitions.

A further object of my invention is to provide an improved arrangement of supporting members which is simple, effective and one which will not interfere with the awn-15 ing.

Other objects and advantages of my invention will be pointed out in more detail hereinafter as the description proceeds.

20 tion reference should be had to the accom- the side arms 16 and 17 and the framework 70 panying drawing, wherein—

Figure 1 is an end elevation of an awning supported in accordance with my invention with the awning open,

Figure 2 is a view similar to Figure 1 showing the awning in its closed position,

Figure 3 is a fragmentary, perspective view of my awning showing various details, and

Figure 4 is a fragmentary view, partially painted.

<sup>50</sup> oted upon these side arms at the points 21 all weight has been removed from the sup- 100

proved awning frame and more particularly 19,20 and 21,22 are offset from the vertical so to a frame for the roll type awning adapted that, irrespective of the opening of the awning, the frame member 18 will always remain

at a point intermediate its ends, I provide a bearing member 23 having pins 23<sup>a</sup> projecting outwardly on both sides thereof and 60 engaging this bearing member 23 I show a supporting link 24. This link 24 is pivotally secured to the building 10 by means of a bracket 25 and at its lower end it is provided with a pair of parallel extending elongated 65 eyelets 26 which pass one on each side of the side arm 16 and over the projections or pins 23° of the bearing member 23. As shown in For a better understanding of my inventhis figure of the drawing, the weight of 18 is supported entirely by the supporting link 24 in cooperation with the cylindrical guide 14 so that no tension is placed upon the awning fabric 13. The framework 18 is shown in this figure of the drawing as sup- 75 porting an advertising sign 27. This sign 27 may be of any suitable construction. It may be an electric sign or simply a flat surface upon which the advertising may be

in section, of a detail of my invention. By referring now to Figure 2, it will be seen In Figure 1, 10 designates the side of a that when the awning is closed, the parallel building having the usual recess 11 into which extending arms 16 and 17 will project upawnings of the roll type are mounted. wardly substantially parallel with each other 35 Mounted within the recess 11 upon suitable and with the side of the building and at the 85 trunnions I show an awning roll 12 which same time carry the supporting frame 18 to is adapted to carry awning fabric 13. Se- a position where it will support the sign in cured to the side of the building 10 and be- a prefectly normal and upright position low the ends of the awning roll 12, I provide where it will be visible. In connection with <sup>40</sup> a pair of vertically extending cylindrical this showing, it should be noted that the 90 receptacles 14 and slidably mounted in each recess 11 is provided with an overhanging of these receptacles 14 there is a rider 15. eave 28 against which the sign 27 engages The riders 15 are adapted to carry the inner so that when the awning is closed, the awning ends of parallel extending side arms 16 and roll will be protected from the weather. It <sup>45</sup> 17 which project outwardly therefrom and will also be seen from an inspection of this 95 carry at their outer ends a suitable frame figure of the drawing that when the awning member 18. The parallel side arms 16 and is in this position the weight of the side arms 17 are pivoted to the riders 15 at the points 16 and 17 and the framework 18 is supported 19 and 20 and the frame member 18 is piv- entirely by the cylindrical guide 14 and that

porting link 24, the forked ends of this supporting link, by reason of their elongated eyelets, having permitted the bearing member 23 with its outward projections or pins 5 23° to slide upwardly within the opening of the eyelets.

In connection with the cylindrical guide member 14, reference should be had to Figure 4 wherein it will be seen that this guide 10 member is supported upon the side wall of 15 the rider 15 being provided with a cylindrical base portion of dimensions substantially equal to the interior of the cylindrical supporting member 14 so that it will slide freely therein. In the ends of this guide member 20 14 I have provided springs 31 and 32 which are arranged respectively in the top and bottom thereof. The spring 31 is shown as mounted upon an adjustable screw 33 so that it can be adjusted for the purpose of leveling 25 the awning support so that a uniform tension will be placed upon the awning fabric 13 when the awning is fully opened.

By referring now to Figure 3, it will be seen that the awning roll 12 is provided with 30 the usual operating mechanism which comprises a set of gears 34, a shaft 35, and a crank mechanism 36 by means of which the roll is rotated for the purpose of winding and unwinding the awning. This view of 35 the drawing also very clearly shows the additional feature of my invention in the provision of a brace or bracket 37 at the outer ends of the parallel members 17 which extends diagonally therebetween and the frame member 18. The point of attachment of the diagonal member 37 with the frame 18 is provided with a hinge 38 and the function of this brace is to prevent lateral swinging of the awning in the event of pressure being exerted in this direction thereupon as in the case of a wind storm. The frame member 18 is here shown as provided with L-shaped end members 39 between which laterally ex-cloth and the sign thereto. mounted. The awning is shown as secured the spirit of the invention as defined in the to the frame 18 adjacent the member 40 by appended claims. ing the securing of the awning thereto, is ent is:

11 will be assumed that the awning is ex- end of the awning, a pair of parallel extend- 125

ment of the awning fabric, the weight of the parallel extending side members 16, 17, the frame member 18, and sign 27 will be carried by the supporting link 24 and, as a result, the rider 15 will move downwardly 70 within the cylindrical guide 14 until it contacts with the spring 32 in the lower end thereof. After the spring 32 is compressed to its maximum degree, the weight will then be transferred to this spring and the eyelets on 75 the forked ends of the link 24 will slide the building by means of end pieces 29 and the forked ends of the link 24 will slide 30 and that it is provided with a slot extend- down over the projections on the bearing ing throughout its length through which a member 23 where it will assume a position portion of the rider 15 extends outwardly, substantially as shown in Figure 2, the entire weight of the parallel extending side 80 arms 16 and 17, the frmework 18, and the sign 27 being then carried upon the spring 32 within the cylindrical guide 14. Upon referring to Figure 2, it will be seen that by reason of the displacement of the pivot 85 points 19 and 20 upon the rider 15, the parallel side members will remain parallel in their uppermost position and at the same time continue to support the sign in its normal and operative position. When the awning is com- 90 pletely closed, as shown in this figure of the drawing, it will be seen that the only strains placed upon the awning fabric will be those required to maintain the awning in its uppermost position, the weight of the frame 95 being carried substantially entirely upon the spring 32 within the cylindrical guides 14.

The roll 12 is journaled at its ends in supporting brackets 12a by means of a double row of ball bearings 12b. This considerably 100 reduces the friction, and permits of comparatively easy operation of the awning, even

with the added weight of the sign.

It will be noted that the upper angle bar 40, forming a part of the front frame, has one of its flanges turned inwardly, and to this inturned flange the awning-cloth is secured. The lower angle bar 41 has one of its flanges turned outwardly, which out-turned flange forms a support for the sign 27. This great- 110 ly simplifies the construction of the front frame, and facilitates attaching the awning-

tending members 40 and 41 extend. The While I have shown the preferred form of member 41 is preferably of angle iron with my invention as now known to me, it is to be 115 its root projecting inwardly so that it will understood that various changes may be made form a step upon which the sign 27 may be in its construction without departing from

means of an additional laterally extending Having thus described my invention, what 120 member 42 which, for the purpose of facilitat- I claim and desire to secure by Letters Pat-

preferably of wood or like material.

1. A support for roll type awnings com-The operation of my device is as follows: prising a frame adapted to be attached to the tended as shown in Figures 1 and 3 and that ing side arms pivotally connected at the ends the operator is about to roll the same up into of said frame, vertically disposed guides its closed position. By turning the crank 36 mounted upon a supporting structure at the the roll 12 will be rotated so as to recoil the ends of said awning, riders adapted to slide 35 awning fabric 13. During the initial move-freely in said guides and carry the inner ends 120

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of said side arms, and a member pivotally rider slidably positioned in said tubular mem-

is fully extended.

2. In a support for awnings of the roll type, 7. A foldable awning, including a front the combination of an awning roll adapted frame, vertically spaced parallel bars pivto carry the awning fabric, a frame for supporting the extended end of the awning comprising a frame member and side arms pivotally connected therewith, a pair of ver- posed tubular member formed with a slot, a tically disposed guides mounted upon a supporting structure at the ends of the awning, stops at the ends of said guides, and links pivotally connected to the supporting structure parallel bars, spring means at each end of said between said guides and said roll and slid-tubular member forming a cushion for said ably engaging said side arms and cooperating with said guides to hold the awning frame with the awning extended independently of and having a slotted connection at its lower 85 the awning fabric.

3. In an awning support of the character diate the ends of the latter. described, the combination of a sign supporting frame adapted to carry the outer end of 25 the awning, a pair of parallel extending side arms pivotally connected to said frame, and a bracket member extending diagonally from one of said parallel side arms and pivotally connected to said framework at a point re-30 moved from the pivotal connection of said side arm to said frame, whereby lateral movement of said frame upon said side arms will

be prevented.

4. In an awning support of the character 35 described, the combination of a pair of parallel outwardly extending side arms adapted to support the outer end of the awning, a rider upon which said parallel arms are pivotally connected, a vertically disposed guide 40 for said rider, a member pivotally mounted upon a supporting structure adapted to hold said parallel side arms in their extended position, a stop at the upper end of said guide against which said rider will abut when the 45 side arms are extended, and means whereby said stop may be adjusted to effect a leveling of the side arms with respect to each other.

5. A foldable awning having a front frame, said frame comprising longitudinally extending angle bars in vertically spaced relation, the upper one having one flange directed inwardly and the lower one having one flange directed outwardly, an awning cloth secured to the inturned flange of the upper bar, said 55 out-turned flange of the lower bar being adapted to support a sign and means for maintaining the bar in position to hold the sign vertical in both the folded and the extended positions of the awning.

6. A foldable awning, including a front frame, vertically spaced parallel bars pivotally connected to each end of said front frame, and a guide for the inner ends of said parallel bars, comprising a vertically disposed tubular member formed with a slot, a

connected to the supporting structure having ber and having ears projecting through said a sliding connection with said side arms and slot to pivotally receive the inner ends of said cooperating therewith to support said frame parallel bars, and spring means at each end independently of the awning when the latter of said tubular member forming a cushion for 70 said rider.

otally connected to each end of said front frame, and a guide for the inner ends of said 75 parallel bars, comprising a vertically disrider slidably positioned in said tubular member and having ears projecting through said slot to pivotally receive the inner ends of said 80 rider, and a suspension link pivotally connected at its upper end to a supporting wall end with one of said parallel bars interme-

ALBERT G. ZECHER.

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