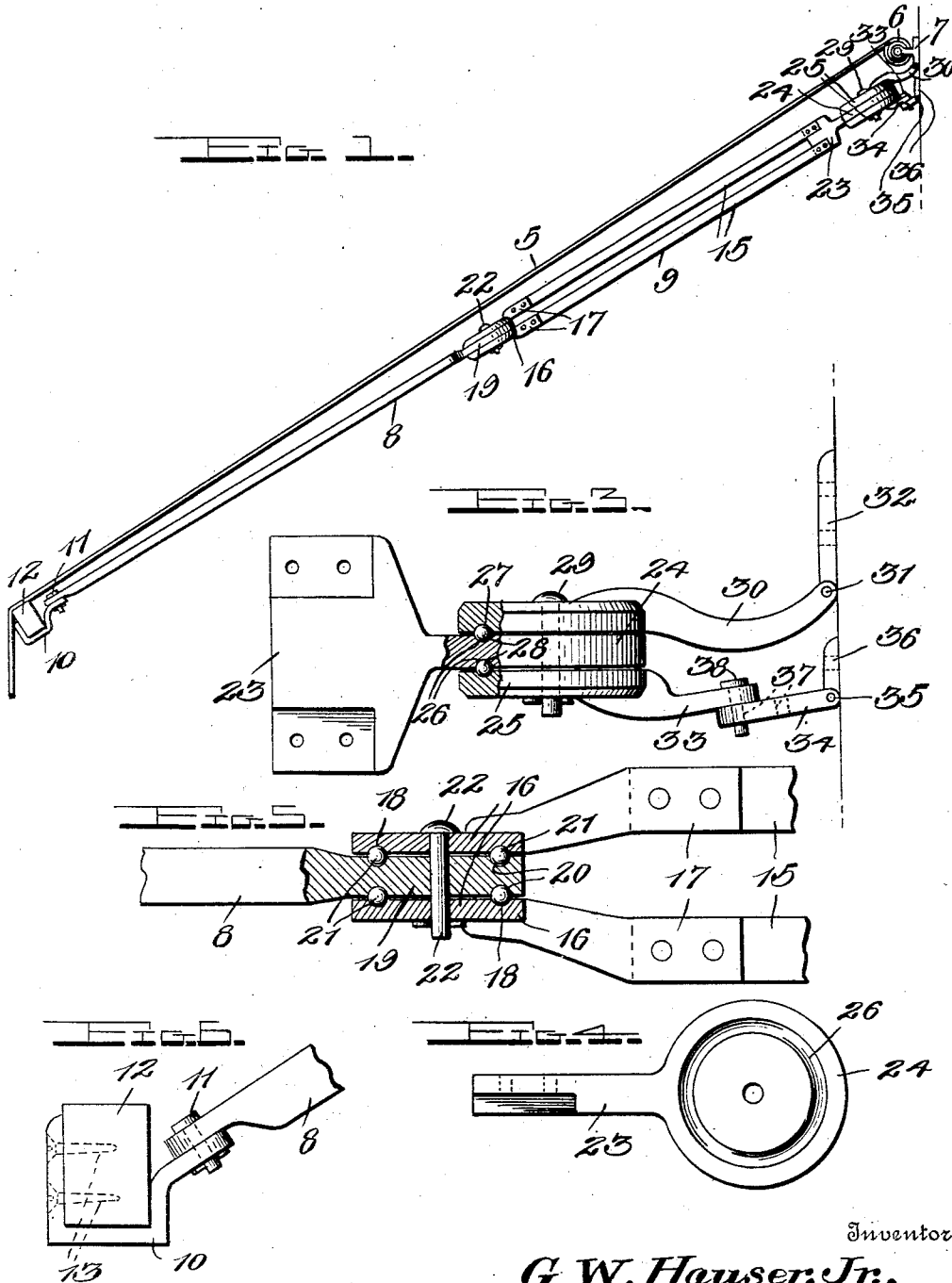


G. W. HAUSER, JR.
 AWNING FIXTURE.
 APPLICATION FILED AUG. 14, 1912.

1,054,654.

Patented Feb. 25, 1913.

2 SHEETS—SHEET 1.



Inventor

G. W. Hauser, Jr.,

Witnesses

Chas. L. Griesbauer,
 A. B. Norton

By

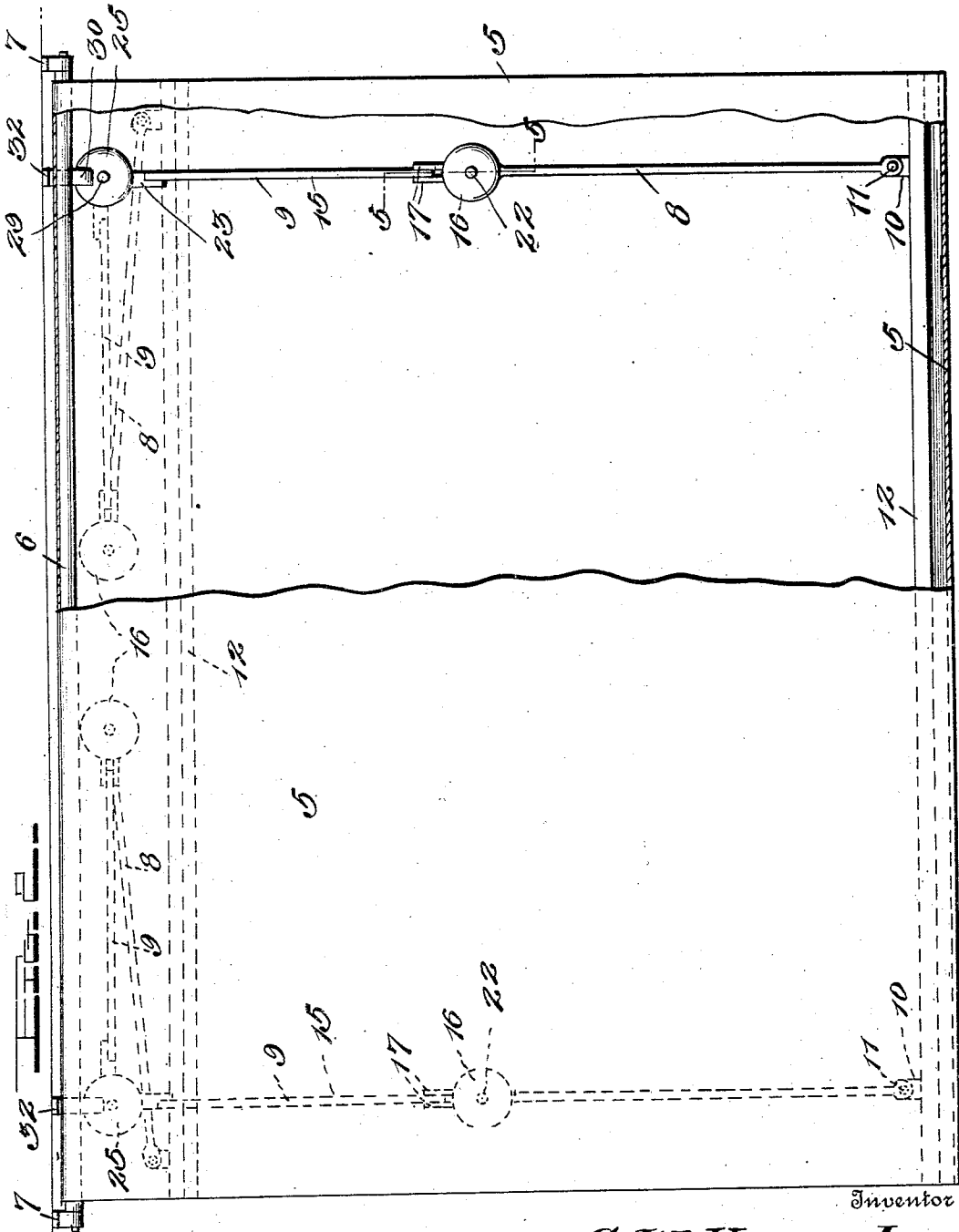
Watson E. Coleman,
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UNITED STATES PATENT OFFICE.

GUSTAV W. HAUSER, JR., OF JACKSON, TENNESSEE.

AWNING-FIXTURE.

1,054,654.

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To all whom it may concern:

Be it known that I, GUSTAV W. HAUSER, Jr., a citizen of the United States, residing at Jackson, in the county of Madison and State of Tennessee, have invented certain new and useful Improvements in Awning-Fixtures, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to awning fixtures and more particularly to a supporting arm for the awning cover, said arm consisting of two sections pivotally connected together for swinging movement in a horizontal plane
15 whereby the same may be quickly folded and closely disposed against the building wall when the awning is up or not in use.

Another object of the invention resides in the provision of an awning supporting arm
20 and improved means for mounting the same upon the building wall whereby the awning will at all times be held taut or tightly stretched when in use.

Still another object of the invention resides in the provision of an improved sectional laterally swinging arm for roller awnings, and means for mounting and supporting
25 said arm in an elevated or lowered position.

A further object of the invention is to provide an awning fixture of the above character which is simple and durable in construction, may be easily and quickly mounted in position for use and is very efficient and serviceable in operation.

With the above and other objects in view as will become apparent as the description proceeds, the invention consists in certain constructions, combinations and arrangements
40 of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention reference is to be had to the following description and accompanying drawing in which—

Figure 1 is a side elevation of an awning provided with my improved supporting arm; Figure 2 is a top plan view, the sectional arms being shown in their folded position in dotted lines. Figure 3 is an enlarged detail side
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elevation partly in section illustrating the manner of mounting the arms: Fig. 4 is a plan view of the rotatable casting; Fig. 5 is a detail section taken on the line 5—5 of Fig. 2. Fig. 6 is an enlarged detail view
55 showing the manner of connecting the awning arm to the horizontal cross bar.

Corresponding and like parts are referred to in the following description and designated in the accompanying drawing by like
60 reference characters.

Referring in detail to the drawings 5 designates the awning top or cover which is adapted to be rolled or wound upon a roller
6 mounted at its ends in suitable supporting
65 brackets 7 secured to the face of the building wall. Any ordinary or approved operating means for this roller may be provided.

The improved supporting arm for the awning top which constitutes the subject
70 matter of the present application includes an outer section 8 and an inner arm section 9. The outer section of the arm has an angle plate 10 mounted upon one end thereof, said
75 plate being connected to the flattened end of the arm section 8 by means of the pivot pin 11. Upon the angle plate 10 one end of a hinged cross bar 12 is arranged and is rigidly secured to said plate by means of the
80 screws or other analogous fastening devices indicated at 13. The other arm section 9 of the awning fixture includes two parallel members 15. Each of these members has a casting secured upon one end thereof which
85 includes a disk 16 and an attaching arm 17 which is adapted to be bolted or otherwise rigidly fixed to the end of the member 15. The disks 16 on the ends of the parallel arms
15 are provided in their opposed faces with annular ball receiving race-ways 18. Between these disks a similar disk 19 on the
90 inner end of the section 8 is disposed. This latter disk may be either integrally formed upon the end of the section 8 of the arm or constitute a separate element. The opposite
95 faces of the disk 19 are provided with ball receiving race-ways 20 which, in conjunction with the race-ways 18 of the disks 16 are adapted to receive a plurality of anti-friction balls 21. The disks 16 and 19 are
100

held in their assembled relation by means of the pivot bolt 22 which is loosely disposed through central openings provided in said disks. Thus it will be apparent that the disk 19 on the end of the arm section 8 may freely rotate upon the bolt 22 between the disks 16 in the lateral swinging movement of the arm sections which will be again referred to in the following description. Between the other ends of the spaced members 15, a casting 23 is rigidly secured. This casting includes the disk 24 which is adapted to be disposed between the spaced disks 25. The disks 24 and 25 are provided with ball receiving race-ways 26 and 27 respectively in their opposed faces to receive the anti-friction balls 28, and a pivot bolt 29 extends centrally through the several disks to retain the same in their assembled relation. The uppermost disk 25 is provided with a curved arm 30 which extends beneath the awning roller 6. This arm is hingedly mounted upon a pintle 31 carried by the plate 32 which is mounted upon the face of the building wall. The other or lower disk 25 is also provided with an arm 33 which, however, is of less length than the arm 30. A plate 34 is hingedly mounted as at 35 upon the plate 36 which is secured upon the building wall. The plate 34 is provided with spaced openings 37 which receive the pin 38, said pin being loosely disposed through an opening in the end of the arm 33. When the pin 38 is disposed through the opening in the outer end of the plate 34, the awning arm will be supported in an inclined position upon the wall of the building as shown in Fig. 1. By removing said pin, the arm may be swung downwardly and inwardly against the face of the wall, and the pin disposed through the opening 37 adjacent to the hinge 35 of the plate 34 whereby the arm is held in its lowered position and swinging movement of the same from the pivot 31 of the arm 30 is effectually prevented.

From the foregoing, it is believed that the construction and manner of operation of my improved awning fixture will be fully understood. When it is desired to roll the awning upon the roller 6, the arm sections 8 and 9 are forced inwardly and folded upon each other so that they will lie in the position shown in dotted lines in Fig. 2. In this folded position of the arms, the extension of the bar supporting plates 10 are disposed alongside of the arms 30 and 33. When the arm sections 8 and 9 are in their extended positions as shown in Fig. 1, the top or cover 5 of the awning will be stretched taut. Owing to the manner of mounting the disks 25, it will be obvious that when the connecting pin 38 is disposed through the opening in the outer end of the plate 34, the supporting arm will be main-

tained in its inclined position and held against movement in a vertical plane. The awning may, however, be readily lowered by simply removing the pin and placing it in the other of the openings 37 as above described.

While I have shown and described the preferred construction and arrangement of the various elements, it will be obvious that the invention is susceptible of considerable modification in the form, proportions and arrangements of the parts without departing from the essential features or sacrificing any of the advantages of the invention.

Having thus described the invention, what is claimed is:

1. The combination with the awning top, of a supporting arm therefor, spaced attaching members for said arm adapted to be pivotally mounted upon a building wall for movement in a vertical plane, and means for adjusting one of said members with relation to its pivot.

2. The combination with the awning top, of an extensible arm therefor comprising two sections pivotally connected and laterally foldable upon each other, spaced attaching members for said arm pivotally mounted upon a building wall, a vertically disposed pivot bolt connecting said members, one of the arm sections being disposed between the attaching members upon said bolt, and means for adjusting one of said members toward and from its pivot.

3. The combination with the awning top, of an extensible arm consisting of two sections, a supporting bar for the awning top, one of the arm sections being pivotally connected to said supporting bar, the other of the arm sections consisting of two spaced members, said first named arm section being pivotally mounted between one of the ends of said arm sections, a disk secured to the other ends of said spaced members, a hinged plate adapted to be mounted upon the building wall, spaced disks each having an arm formed thereon, the arm of one disk being pivotally mounted upon the building wall, means for rotatably mounting the disk secured to said spaced arm members between the spaced disks, and means for adjustably connecting the arm of the other of said disks to said hinged plate.

4. The combination with the awning top, of an extensible arm consisting of two pivotally connected laterally foldable sections, a hinged plate adapted to be mounted upon a building wall for movement in a vertical plane, spaced supporting members, one of the arm sections being pivotally mounted between said supporting members for swinging movement, a horizontal pivot on the building wall to which one of the supporting members is connected, said hinged plate being provided with spaced openings, and

a removable pin mounted in the other of said supporting members and adapted to be disposed through either of the openings in the hinged plate to adjustably connect said latter supporting member to the plate and support the arm in its raised or lower position.

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

GUSTAV W. HAUSER, Jr.

Witnesses:

E. W. WEBB,

G. C. WILKINSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."