

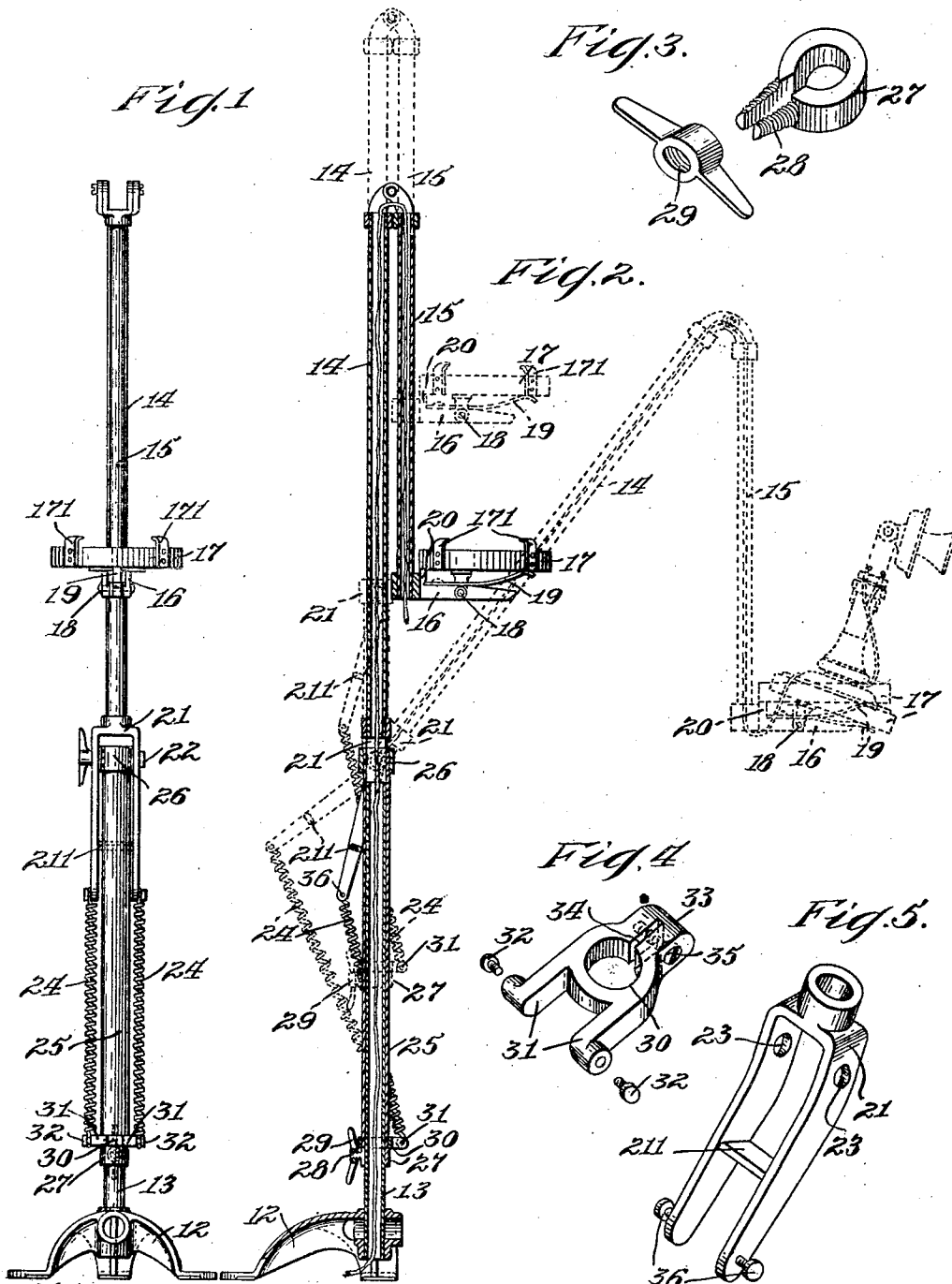
No. 823,162.

PATENTED JUNE 12, 1906.

J. S. DETRICK.
BRACKET.

APPLICATION FILED AUG. 5, 1905.

2 SHEETS—SHEET 1.



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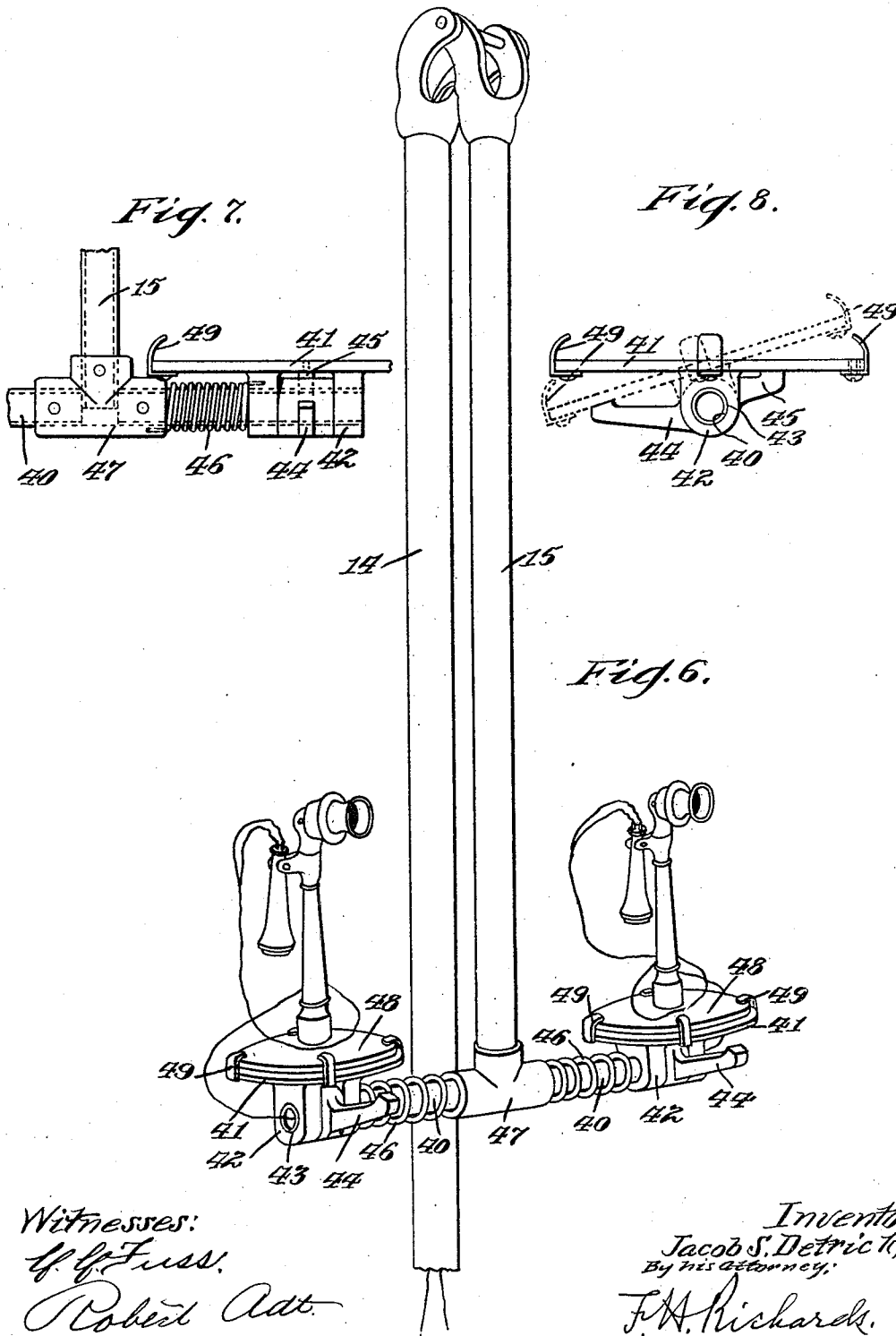
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2 SHEETS—SHEET 2.



UNITED STATES PATENT OFFICE.

JACOB S. DETRICK, OF BALTIMORE, MARYLAND.

BRACKET.

No. 823,162.

Specification of Letters Patent.

Patented June 12, 1906.

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To all whom it may concern:

Be it known that I, JACOB S. DETRICK, a citizen of the United States, residing in Baltimore, State of Maryland, have invented certain new and useful Improvements in Brackets, of which the following is a specification.

This invention relates to swinging shelves or brackets especially designed for supporting a telephone receiver and transmitter, but also useful for holding other objects in various positions, such as electric lights.

One of the objects of the invention is to provide a telephone-holder that will normally remain in a substantially vertical position above or in a line with the upright support and elevated above the place of use of the telephone and which parts will occupy comparatively small space and which will automatically return to the upright elevated position when released after using.

A further object of the invention is to provide in such a device means of adjustment whereby the normal upright position of the telephone may be adjusted vertically, so that it may be supported and used at different elevations.

A further object of the invention is to provide a form of suspended bracket arranged to carry a pair of telephones or other objects.

My invention further comprises the novel features of construction and operation, as hereinafter set forth, and pointed out in the claims.

In the accompanying drawings, illustrating one embodiment of my invention, Figure 1 is a front elevation of the device in the normal upright position. Fig. 2 is a vertical axial section showing in broken lines one adjusted position of the upright member and also showing in broken lines the arm and bracket swung down to position for use. Fig. 3 shows detached the clamping device for the adjustable rod. Fig. 4 shows the head for attachment of the springs. Fig. 5 shows the forked extension of the swinging arm. Fig. 6 shows a form of double bracket, and Figs. 7 and 8 show details of the latter device.

Any suitable form of base, as 12, may be used, to which is secured a post 13, preferably tubular and extending vertically upward. Pivotally connected with or supported from the upper end of the post 13 is an arm 14, arranged to swing in a vertical plane

downward from a position in substantial alinement with the post 13. At the upper end of the arm 14 is pivoted a bracket member comprising an upright member, preferably a tube 15, having secured at its lower end a shelf member. The latter member is shown as comprising a lateral piece 16, on which is pivoted a supporting-plate 17, to which latter a telephone-pedestal may be attached in any suitable manner, as by bent pieces 171. The plate 17 is shown as pivoted by journal-piece 18 and normally retained in the position shown by means of a spring 19 fast on the arm 16, holding the plate in contact with a lug 20 on the arm. The telephone resting on this plate can be rocked downward to the position indicated in broken lines in Fig. 2 against the tension of this spring and will return to its normal position relative to the upright when released.

One form of means of pivotally connecting the swinging arm 14 with the upright member is to provide a forked member 21, secured at the lower end of the arm. A bolt 22, passing through apertures 23 in the fork, serves as pivoting means by which the arm is mounted on the upper portion of the upright member. Suitable means are attached or connected with the lower extremities of the fork 21 whereby to normally and yieldingly retain the arm 14 elevated substantially in alinement with the post 13. One or more springs may be used for this purpose, and in the present instance springs 24 connect screws 36 on the extremities of the fork with the lower portion of the upright member. When the arm is rocked by pulling the telephone-bracket downward, these springs will be distended, as shown in Fig. 2, and upon releasing the bracket the springs will retract the arm to its former upright position and retain it at such place. The fork 21 is shown as having a cross-piece 211, that will normally be held in contact with the upright supporting member by the springs, thereby limiting the swinging of the fork and arm by the springs. It will be observed from Figs. 2 and 5 that the forked arms make a slight angle with the arm 14, so that when the springs draw the fork down with the cross-piece in engagement with the upright supporting member the arm 14 will be substantially vertical.

Suitable means may be provided whereby the place of attachment of the fork 21 with the upright supporting member may be ad-

justed vertically, and in the present embodiment of the invention the upright member comprises, essentially, two parts, the upright post 13 and a tubular member 25, slidable on this post. The upper end of the tube 25 is shown as having a head 26, through which the said bolt 22 of the fork 21 is passed, thereby pivoting the arm 14 to the upper part of the tube 25.

For supporting the tube 25 that slides on the post 13 in various vertical positions in the present instance there is provided a clamp comprising a split ring 27, having a screw 28, extending outward in half portions from each end of the ring. A wing-nut 29 has a threaded bore arranged to engage the two-part screw 28, and the latter is made tapering, so that the nut will cause the parts of the screw, and consequently the ends of the ring, to approach as the nut is advanced on the screw. This ring is of an internal diameter to embrace the lower portion of the post 13 and when the screw is turned toward the ring will serve to bind the clamp on the post and support the tube 25.

The springs 24 in the present instance are shown as connected with the tube 25, that carries the arm and fork by means of a clamping ring 30, having apertured arms 31, into which are tapered screws 32, to which screws the lower ends of the springs are attached. The ring 30 is provided with an extension 33, containing a slot 34, extending inward from the bore of the ring. A transverse bore is made in this extension and adapted to receive a screw 35, that serves to draw the opposite portions of the extension together and reduces the diameter of the bore in the ring, thereby tightly clamping the ring on the tube 25. Moving the ring up or down will serve to adjust the tension on the springs 24.

In Fig. 6 is shown a form of bracket provided with two shelves for supporting two telephones or other desired objects. In the structure shown the upright 15, that is hinged to the arm 14, has secured at its lower end a cross bar or tube 40. One end portion of the bar 40 is provided a shelf arrangement, in each instance comprising a shelf or plate 41, having secured at its base a pivot-piece 42, provided with a bore 43, into which extends the extremities of the cross-piece 40, thus forming a swinging support for the shelf on the cross-piece. At each end of the cross-piece is rigidly secured a cross-arm, having one portion 44 extending out below the normal horizontal position of the plate, as best shown in Fig. 8, and having an arm 45 extending in the opposite direction and normally supporting the plate 41 in its horizontal position. A coil-spring 46 surrounds the cross-piece 40 at each end portion and has one end secured to the pivot-piece 42 of the plate 41, while the opposite end of each spring is secured in the T-piece connecting

the upright 15 with the cross-piece 47. This spring is arranged to normally cause the shelf to bear against the arm 45 and retain it in its horizontal position, as shown, and will return it to such position after being rocked, as indicated in broken lines in Fig. 8, the arm 44 serving to limit the swinging of the plate from its horizontal position. The base of the telephones 48 may be secured to the plates 41 by suitable bent pieces 49.

If desired, the upright 15 can be removed and an electric light attached to the upper end of the arm 14, the wires running up through the tubes 13 and 14. The arm 14 can be swung to any convenient position and there retained by tightening the clamp-bolt 22 at the pivot-joint of the arm 14.

Having described my invention, what I claim is—

1. The combination of a vertical support, an arm pivotally connected at the upper end of the support, means for normally retaining the arm elevated substantially in alinement with the support, and a bracket comprising an upright pivoted at its upper end to the upper end of said arm and provided with a transverse shelf at its lower part.

2. The combination of a vertical support, an arm pivotally connected with the upper end of the support, a spring arranged to normally retain the arm elevated substantially in alinement with the support, and a bracket comprising an upright pivoted at its upper end to the upper end of said arm and provided with a transverse shelf at its lower part.

3. The combination of a vertical support, an arm pivotally connected with the upper arm of the support, a spring arranged to normally retain the arm elevated substantially in alinement with the support, means for adjusting the tension of the spring, a bracket comprising an upright pivoted at its upper end to the upper end of said arm and provided with a transverse shelf at its lower part.

4. The combination of a vertical supporting member, an arm having a forked extension at its lower end whereby it is pivotally connected with the upper part of the supporting member, springs connecting the extremities of the forked portion with the lower part of the supporting member, and a bracket comprising an upright pivoted at its upper end to the upper part of said arm and provided with a transverse shelf at its lower part.

5. The combination of a vertical supporting member, an arm having a forked extension at its lower end whereby it is pivotally connected with the upper part of the supporting member, a collar adjustable on the supporting member, springs connecting the extremities of the forked portion with the adjustable collar, and a bracket comprising an

upright pivoted at its upper end to the upper part of said arm and provided with a transverse shelf at its lower part.

6. The combination of a vertical support, an arm pivotally connected with the upper end of the support, means for normally retaining the arm elevated substantially in alinement with the support; means for vertically adjusting the pivotal connection of the arm and support, and a bracket comprising an upright pivoted at its upper end to the upper end of said arm and provided with a transverse shelf at its lower part.

7. The combination of a vertical support, a member vertically adjustable on said support, an arm pivotally connected with the upper portion of said member, means for normally retaining the arm elevated in substantial alinement with the vertical support, and a bracket comprising an upright pivoted at its upper end to the upper end of said arm and provided with a transverse shelf at its lower part.

8. The combination of a base, a vertical post secured to said base, a tube slidable on such post, a clamp arranged to support the tube on the post in adjusted positions, an arm having a forked extension that is pivotally connected with the upper end of said tube, springs connected between said forked extension and the lower portion of said tube, whereby the arm is normally retained elevated in substantial alinement with the post, and a bracket comprising an upright pivoted at its upper end to the upper end of said arm and provided with a transverse shelf at its lower part.

9. The combination of a base, a vertical post secured to said base, a tube slidable on such post, a clamp arranged to support the tube on the post in adjusted positions, an arm having a forked extension that is pivotally connected with the upper end of said tube, a collar adjustable on the tube, springs connected between said forked extension and the said collar, whereby the arm is normally retained elevated in substantial alinement with the post, and a bracket comprising an upright pivoted at its upper end to the upper end of said arm, and provided with a transverse shelf.

10. The combination of a vertical support, an arm pivotally connected with the support, means for normally retaining the arm in a vertical position, an upright pivoted at its upper end to the upper end of the arm, a piece extending transversely from the lower end of the upright, and a plate pivoted on the latter piece.

11. The combination of a vertical support, an arm pivotally connected with the support, means for normally retaining the arm in a vertical position, an upright pivoted at its upper end to the upper end of the arm, a piece extending transversely from the lower

end of the upright, a plate pivoted on the latter piece, and a spring connected between the transverse piece and plate and arranged to normally retain the plate at a right angle with the upright.

12. The combination of a vertical support, an arm pivotally connected with the upper arm of the support, means for normally retaining the arm elevated substantially in alinement with the support, and a bracket comprising an upright pivoted at its upper end to the upper end of said arm, and provided with a pair of transverse shelves at its lower part.

13. The combination of a vertical support, an arm pivotally connected with the support, means for normally retaining the arm in a vertical position, an upright pivoted at its upper end to the upper end of the arm, a piece extending transversely from the lower end of the upright, and a pair of plates separately pivoted on the latter piece.

14. The combination of a vertical support, an arm pivotally connected with the support, means for normally retaining the arm in a vertical position, an upright pivoted at its upper end to the upper end of the arm, a cross-piece secured to the lower end of the upright, a plate pivoted on each end of the latter piece, and a spring connected between the transverse piece and each plate and arranged to normally retain the plates at right angles with the upright.

15. The combination of a vertical support, an arm pivotally connected with the support, means for normally retaining the arm elevated in substantial alinement with the support, and a bracket comprising an upright pivoted at its upper end to the upper end of said arm, a cross-piece pivoted to the lower end of the upright, a plate pivoted on each end of the cross-piece, lugs at each end of the cross-piece for limiting the swinging of the plates, and a spring for each plate normally retaining it in engagement with one of said lugs.

16. The combination of a vertical support, a member vertically adjustable on said support, an arm pivotally connected with the upper portion of said member, and means connecting the arm and support arranged to normally retain the arm elevated in substantial alinement with the vertical support.

17. The combination of a base, a vertical post secured to said base, a tube slidable on such post, a clamp arranged to support the tube on the post in adjusted positions, an arm having a forked extension that is pivotally connected with the upper end of said tube, and springs connected between said forked extension and the lower portion of said tube, whereby the arm is normally retained elevated in substantial alinement with the post.

18. The combination of a vertical support,

an arm pivotally connected with the upper
end of the support, an upright pivoted at its
upper end to the upper end of said arm and
provided with a transverse shelf at its lower
5 part, and means connected between the arm
and support and arranged to normally retain
the arm elevated substantially in alinement
with the support.

19. The combination of a vertical support,
10 an arm pivotally connected with the upper
part of the supporting member, a bracket
comprising an upright pivoted at its upper
end to the upper part of said arm and pro-
vided with a transverse shelf at its lower part,
15 and springs connecting the arm and support
for normally retaining the arm elevated sub-
stantially in alinement with the support.

20. In a movable bracket for supporting a
telephone or other device in a normal elevated

position, the combination of a support or 20
standard, an arm hinged adjacent to the
upper end of the standard, means for ver-
tically adjusting the hinge connection of the
arm and support, means for maintaining the
arm in an upright position, and supporting 25
means hinged adjacent to the upper end of
the arm.

21. The combination of a vertical support,
an arm pivotally connected with the support
and provided with forked ends, and springs 30
connecting the forked ends with the support
to normally retain the arm in a vertical posi-
tion.

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