June 17, 1969 D. S. HOWELL 3,449,847

LOWERABLE ELEVATED POSTER HOLDER

Filed Nov. 14, 1966

FIG. 1

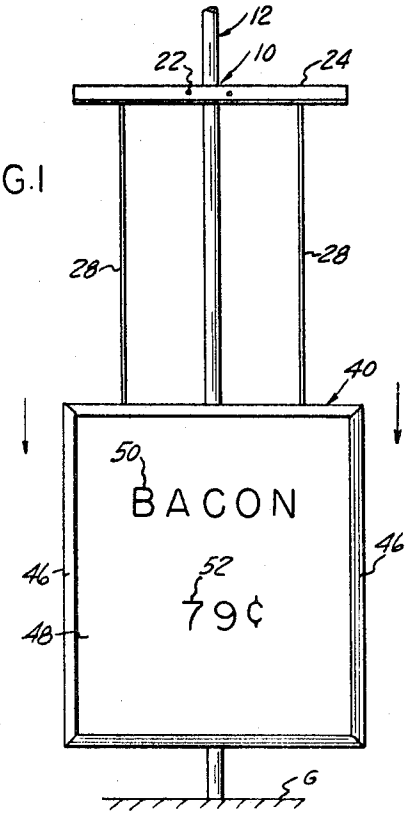


FIG. 2

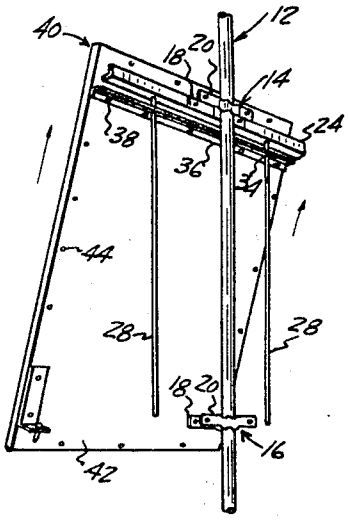


FIG. 4

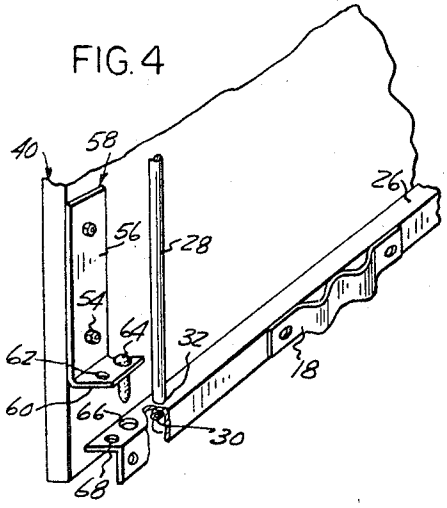
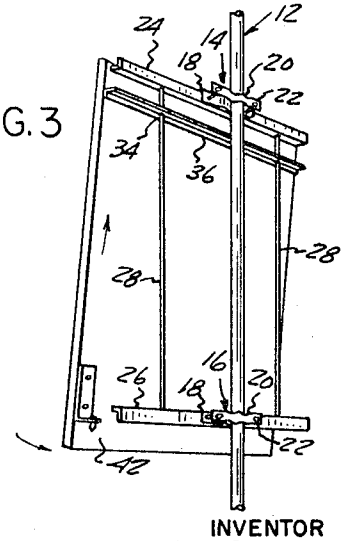


FIG. 3



INVENTOR
DAVID S. HOWELL

BY Barthel & Bugbee
ATTORNEYS

United States Patent Office

3,449,847

Patented June 17, 1969

3,449,847

LOWERABLE ELEVATED POSTER HOLDER

David S. Howell, Troy, Mich., assignor, by mesne assignments, to Woodle Corporation, Detroit, Mich., a corporation of Michigan

Filed Nov. 14, 1966, Ser. No. 594,069
Int. Cl. C09f 7/00, 7/18
U.S. Cl. 40—125 3 Claims

ABSTRACT OF THE DISCLOSURE

A poster holder attached to a vertical support by guide and guide follower means having upper and lower attachment members, the poster holder being movable vertically within limits defined by the attachment members, and a stop on the lower portion of said poster holder adapted to be supported on the lower attachment means and equipped with latch means for holding the stop detachably fastened to the attachment member.

This invention relates to poster holders adapted to be mounted in elevated positions on an upright support, such as a building, pole or other elevated structure, and has for its objects the provision of such a poster holder which can be lowered into a position within reach of the user for changing or replacing the poster without the need for a ladder, and then raised to its elevated position out of the reach of vandals and preferably locked in that elevated position.

Other objects and advantages of the invention will become apparent during the course of the following description of the accompanying drawings, wherein:

FIGURE 1 is a front elevation of the lowerable elevated poster holder of the present invention, mounted on a post and shown in its lowered position;

FIGURE 2 is a perspective view of the poster holder shown in FIGURE 1 in its raised position during an intermediate stage in its installation;

FIGURE 3 is a view similar to FIGURE 2, but showing the poster holder in its fully installed and raised but unlocked position; and

FIGURE 4 is an enlarged view of the lower left-hand corner of FIGURE 3, but with the poster frame swung backward ready to be lowered into its locked position.

Referring to the drawing in detail, FIGURE 1 shows a lowerable elevated poster holder, generally designated **10**, as mounted upon a post or pole **12** seated in concrete or other secure means in the ground G. While the mounting has been shown on a post, it will be evident that it may equally well be mounted on a wall or other elevated support, such as on the wall of a building. The poster holder **10** includes upper and lower clamps **14** and **16** respectively, each consisting of a pair of short oppositely-facing forward and rearward components **18** and **20** respectively (FIGURE 2) with their midportions of arcuate configuration to closely engage the post **12** and with their outer opposite ends bored to receive clamping bolts **22**. In FIGURE 4 the pole **12** and the rearward component **20** of the lower clamp **16** have been omitted to simplify the showing.

Secured to the forward components **18** of the upper and lower clamps **14** and **16** are stationary upper and lower elongated horizontal angle bars or attachment members **24** and **26** respectively (FIGURE 3) with their horizontal flanges facing one another. Secured to and extending between the upper and lower angle bars in spaced parallel relationship to the post **12** and to each other are two elongated guide rods **28** constituting a guideway. Such securing is conveniently accomplished by inserting cotter pins **30** in the diametrically-drilled

upper and lower ends of the guide rods **28**. One such cotter pin **30** is shown in position in the lower end of one of the vertical guide rods **28** in FIGURE 4, such details being too small to be shown in the other views. The upper and lower elongated angle bars **24** and **26** are drilled at **32** for the passage of the guide rods **28** as shown in FIGURE 4.

Slidably mounted for vertical travel along the parallel guide rods **28** and drilled with laterally-spaced holes **34** (FIGURE 3) to receive them is an intermediate movable angle bar or poster frame mounting member **36** which is bolted or otherwise secured by fasteners **38** to the back of a poster holding frame **40**. The poster-holding frame **40** includes a back wall **42** to which are bolted or otherwise secured at **44** the border frame members **46** of the poster frame **40**. The border frame members **46** are preferably hingedly secured to the rear wall **42** by the bolts **44** and spring-pressed thereagainst to removably secure a poster **48** thereto. The details of the poster frame **40** are beyond the scope of the present invention but one such poster frame which has been found satisfactory for this purpose is disclosed and claimed in the Howell Patent No. 2,882,633 issued Apr. 21, 1959, for "Poster Holder." The poster **48** is conventional and ordinarily consists of a sheet of cardboard with inscriptions **50** and **52** relating to the article advertised for sale together with the price, such as at a supermarket.

Bolted or otherwise secured at **54** to the rear wall **42** of the poster frame **40** is the vertical arm **56** of an angle bracket or stop member **58** (FIGURE 4), the horizontal arm **60** of which projects rearwardly and is provided with a pair of spaced holes **62**. Welded or otherwise secured in one of the holes **62** is a headed locating pin **64**, the shank of which extends downward into alignment with a corresponding locating hole **66** near one outer end of the lower angle bar **26** when the poster holder **40** is in its rearward position. The other hole **62** in that position is aligned with a corresponding hole **68** in the lower angle bar **26** for receiving the shackle or bow of a padlock (not shown). In FIGURE 4, the poster frame **40** and angle bracket **58** are shown in slightly raised positions above the lower angle bar **26**, whereas in the locked position thereof the horizontal arm **60** of the angle bracket **58** rests upon the horizontal flange of the angle bar **26** with the shank of the locating pin **54** extending downward through the locating hole **66** and with the padlock holes **62** and **68** directly adjacent and aligned with one another.

In the installation of the poster holder **10**, the clamp components **18** and **20** of the upper clamp **14** are secured to the pole or post **12** at the desired height and bolted to each other and to the upper angle bar **24**, to which the upper ends of the parallel guide rods **28** have been previously secured as by the cotter pins **30** (FIGURE 4). The lower clamp **16** is secured loosely to the pole **12** in its approximate position, without attaching the lower angle bar **26** at this time. The holes **34** in the intermediate angle bar **36**, which has been previously secured by the fasteners **38** to the rear wall **42** of the poster frame **40**, are lined up with the lower ends of the rods **28**, which are passed through the holes **34** while the poster frame **40** is pushed upward to the position shown in FIGURE 2. While the poster frame **40** is held in this position by any suitable means, the installer pushes the lower angle bar **26** upward while he guides the lower end of the guide rods **28** through the holes **32** (FIGURE 4), thereafter inserting the cotter pins **30** on the underside of the angle bar **26** through the diametrically drilled lower ends of the guide rods **28**. He then bolts the forward and rearward components **18** and **20** of the lower clamp **16** to each other and to the lower angle bar **26** by the bolts **22**. The assembly now presents the appearance shown in FIGURE 3.

To install a poster **48** in the poster frame **40**, the operator pulls the latter downward into its lower position (FIGURE 1) without requiring the use of a ladder and without encountering the hazard attendant upon the use of a ladder. He then inserts the poster **48** in the poster frame **40**, such as by swinging the border frame members **46** forward around their respective hinges and then snapping them back into position in response to their springs, as disclosed in the above-mentioned Howell Patent 2,882,633. The operator now pushes the poster holder **40** with its now-installed poster **48** upward along the parallel guide rods **28** until the intermediate angle bar **36** lies adjacent the upper angle bar **24**. Whereupon he then swings the lower end of the poster frame **40** rearwardly until the shank of the locating pin **64** lies directly above the locating hole **66**. The operator then lets the poster frame **40** slide downward along the guide rods **28** so that the shank of the locating pin **64** enters the locating hole **66** and the lower arm **60** of the angle bracket **58** comes to rest against the lower angle bar **26** with the padlock holes **62** and **68** in alignment with one another. The operator then inserts the shackle of an open padlock (not shown) through the holes **62** and **68** and closes the padlock to lock the poster frame **40** in its raised position. In its raised position, the poster frame **40** of the poster holder **10** is out of the reach of vandals or practical jokers who might otherwise seek to deface the poster **48**, yet it is instantly ready to be lowered by authorized persons possessing a key to the padlock, for the purpose of changing or replacing the poster **48**.

What I claim is:

1. A vertically movable poster holder for mounting on an upright support comprising

upper and lower attachment members;

means for fastening said attachment members to said support;

a poster holder;

loosely interfitting guide and guide follower means carried by said attachment members and said poster holder, respectively, attaching said poster holder to said attachment members while premitting said poster holder to move vertically on said support relative to and within limits defined by said attachment members and permitting also limited horizontal movement between the bottom of said poster holder and said support;

stop means on the lower portion of said poster holder movable with the latter to a position above and supportable on said lower attachment member; and coactive catch and latch means carried by said stop and said lower attachment member automatically engageable when said stop is moved into supported engagement with said lower attachment member to hold the lower portion of said poster holder against horizontal movement and being disengageable by vertical movement of said poster holder to permit such horizontal movement.

2. The combination as set forth in claim **1** wherein said guide and guide follower means are in the form of

a horizontal mounting member on said poster holder, and

vertical rods carried by and extending between said upper and lower attachment members and extending through apertures in said horizontal mounting member.

3. The combination as set forth in claim **1** wherein said catch and latch means are in the form of

a pin carried by and depending from said stop means, and

an aperture in said lower attachment member positioned in alignment with and adapted to receive said pin when said stop is supported on said lower attachment member.

References Cited

UNITED STATES PATENTS

144,917	11/1873	Moeller.	
3,250,032	5/1966	Von Gal et al.	40—125 X
3,288,412	11/1966	Murphy	40—125 X

FOREIGN PATENTS

14,881	3/1911	Great Britain.

EUGENE R. CAPOZIO, *Primary Examiner.*

RICHARD CARTER, *Assistant Examiner.*

U.S. Cl. X.R.

40—145