

[54] CANTILEVER ATTACHMENT

[76] Inventor: John C. Garves, 10 Post Office Rd., Silver Spring, Md. 20910

[21] Appl. No.: 364,591

[22] Filed: Apr. 2, 1982

[51] Int. Cl.³ F16M 13/00

[52] U.S. Cl. 248/629; 248/205 R; 47/67; 211/86

[58] Field of Search 248/629, 205.1, 205.4, 248/206.1, 125, 245, 246; 211/107; 47/67; 211/86; 108/148, 152

[56] References Cited

U.S. PATENT DOCUMENTS

2,774,562	12/1956	Henry	248/246 X
2,801,851	8/1957	Meek	248/246 X
2,978,218	4/1961	Featheringham	248/205.1
4,117,629	10/1978	Ekdahl	248/214 X

Primary Examiner—William E. Lyddane

Assistant Examiner—Sarah A. Lechok

Attorney, Agent, or Firm—James C. Wray

[57] ABSTRACT

Cantilever attachment method and apparatus are described. A resilient portion of a cantilever assembly holds a first part of an attachment device. The second

part of the attachment device is positioned on a side of a post opposite the cantilever assembly. The attachment to the resilient means is positioned opposite an intermediate portion of a base on the cantilever assembly. The base lies against the post when assembled. The cantilever assembly is first tipped upward and the attachment is joined to the resilient portion. Tipping the cantilever assembly downward compresses the resilient portion. Continued rotation of the cantilever assembly downward slightly raises the cantilever assembly along the post and slightly relaxes the compression of the resilient portion, thereby creating an over-the-center clamp. The cantilever assembly, the base and the resilient portion are made of a single strip of rolled steel, curved upward on a distal end to suspend a hanging object, extended inward and then downward to form the resilient means, which provides the over-the-center clamping and the holding of the base against the post.

Cams are provided on the attachment means on a side of the post opposite the base to adjust the resilient force with which the base is held against the post and to provide versatility so that the device may be used with posts of different thicknesses.

22 Claims, 8 Drawing Figures

