(No Model.)

C. E. RAABE & G. E. HACKELL.

SUSPENSION HOOK.

No. 331,819. Patented Dec. 8, 1885.

Fig. 1

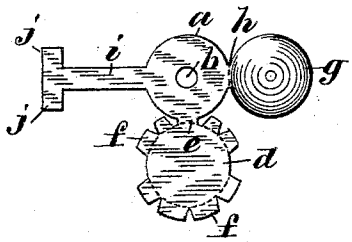


Fig. 2.

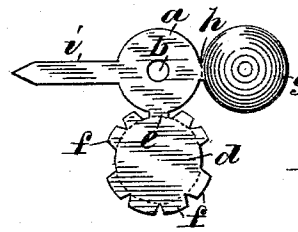
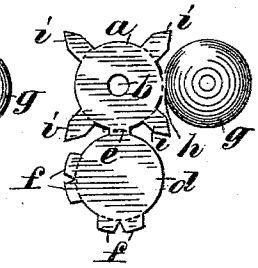


Fig. 3.



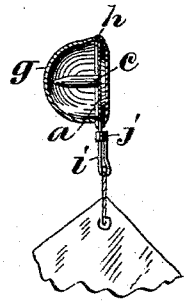


Fig. 4

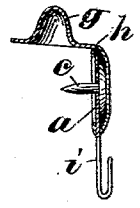


Fig. 5

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UNITED STATES PATENT OFFICE.

CHARLES E. RAABE AND GEORGE E. HACKELL, OF MILWAUKEE, WIS.

SUSPENSION-HOOK.

SPECIFICATION forming part of Letters Patent No. 331,819, dated December 8, 1885.

Application filed April 23, 1885. Serial No. 163,215. (No model.)

To all whom it may concern:

Be it known that we, CHARLES E. RAABE and GEORGE E. HACKELL, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a new and useful Catalogue and Calendar Tack; and we do hereby declare the following to be a full, clear, and exact description of said invention, reference being had to the accompanying drawings, and to the letters or figures of reference marked thereon, which form a part of this specification.

Our invention, to be hereinafter distinctly claimed, relates to a catalogue and calendar tack as an article of manufacture, the object of the invention being to provide a simple device for holding a small nail or tack for attaching a card, pamphlet, circular, or similar article to a wall or other support, which device may be readily affixed to such card, pamphlet, circular, or other article, said device being also so constructed as to form a neat and compact case for covering and shielding such tack before it is used, and in and by which it will be protected from injury, and wherein it may be safely and conveniently handled and transported.

In the accompanying drawings, Figure 1 is a form of blank cut from sheet metal for the construction of the device for holding the tack and attaching it to the card or other article. Figs. 2 and 3 are modified forms of same device shown in Fig. 1. Fig. 4 is a view in section of the device, with the tack inclosed, attached to a card as completed, ready for transportation. Fig. 5 is a view in section of the device, the shield being slightly modified in form, with the tack in position for use and the shield thrown back away from the tack.

The same letters refer to like parts in all the views.

In the blank struck from sheet metal, in the forms shown in Figs. 1, 2, and 3, the ring or circular plate *a* is provided with a central aperture, *b*, through which the shank of the tack *c* is inserted, the head of the tack resting upon this ring or plate *a*. The cover *d*, of the same size as plate *a*, is attached to said plate by the neck *e*, and is provided on its edge with the outwardly-projecting tongues or clasps *f f*. The tack *c* being inserted in the aperture *b* from the upper or outside, the cover *d* is turned over upon the head of the tack, clasping the head of the tack between it and the plate *a*, and the tongues *f f* are then bent down inwardly to and against the under side of the plate *a*, clasping it firmly and holding the cover *d* rigidly thereto. The shield *g*, which is cup-shaped, being swaged out at the time and by the die that cuts the blank from the sheet of metal, is attached to the plate *a* by neck *h*, and, when the tack has been inserted in aperture *b* and the cover *d* has been turned upon and secured to the plate *a*, is turned down inwardly upon the under side of plate *a*, over the point of the tack *c*, as shown in Fig. 4. This shield is turned down upon the plate *a* by bending the neck *h*, which, after so bending, serves to retain the shield in place over the point of the tack for its protection, and when the device is to be used this shield can be broken off at the neck *h* and thrown away.

Rigid to plate *a* we provide one or more tongues, *i i*, with and by which to affix our device to a card, pamphlet, or other article desired. The form of the tongue *i* shown in Fig. 1 is preferably used to construct a loop, into which a cord may be inserted, and when used the outer end having the cross-head or tangs *j j* is bent backward upon itself, and the tangs *j j* are clasped around it, forming a loop, as shown in Fig. 4. The form of tongue *i* shown in Fig. 2 is to be thrust through a card or other article and bent back upon such card, or into hook shape, as shown in Fig. 5, while the form shown in Fig. 3, having several tongues *i i i*, may be used when it is desired to attach the device to a card rigidly.

It is obvious that this device can be easily and cheaply made, and, being attached to a card, pamphlet, or other article, can be conveniently transported, and is an ever ready and available means for attaching the card, pamphlet, or other article to a wall or other support, as desired.

We do not wish to limit our invention to the circular or ring form of plate *a*, as any other shape may be used as well, merely also constructing the cover *d* and shield *g* of the same form, or of a form adapted to the same purpose.

What we claim as new, and desire to secure by Letters Patent, is—

1. The device consisting of the plate *a*, hav-

ing aperture *b*, the cover *d*, secured to plate *a*, shield *g*, attached to plate *a*, and tongue *i*, projecting from plate *a*, in combination with a tack, *c*, substantially as and for the purpose set forth.

2. The perforated plate *a*, cover *d*, secured to said plate *a*, and tongue *i*, projecting from plate *a* and provided with tangs *j j*, in combination with a tack, *c*, substantially as and for the purpose set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

CHARLES E. RAABE.
GEORGE E. HACKELL.

Witnesses:
C. T. BENEDICT,
M. J. SCHINNER.