March 3, 1959 J. E. KROVIAK 2,876,022

CLIP BOARD ATTACHMENT

Filed June 27, 1956

Fig. 1

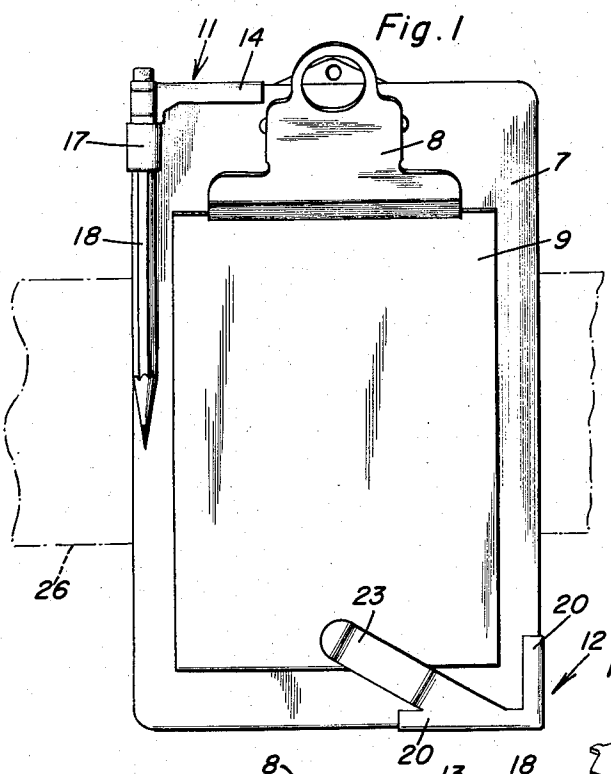


Fig. 2

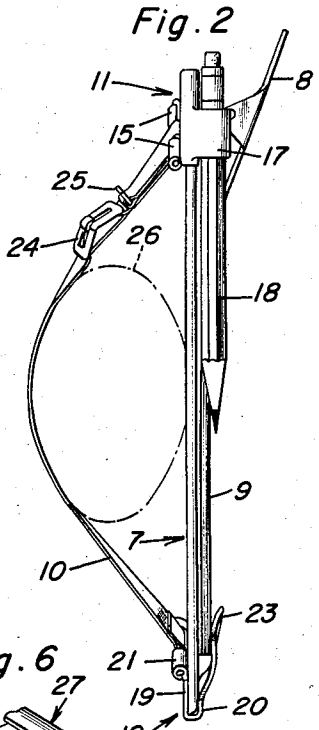


Fig. 6

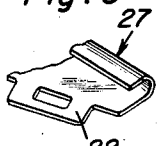


Fig. 3

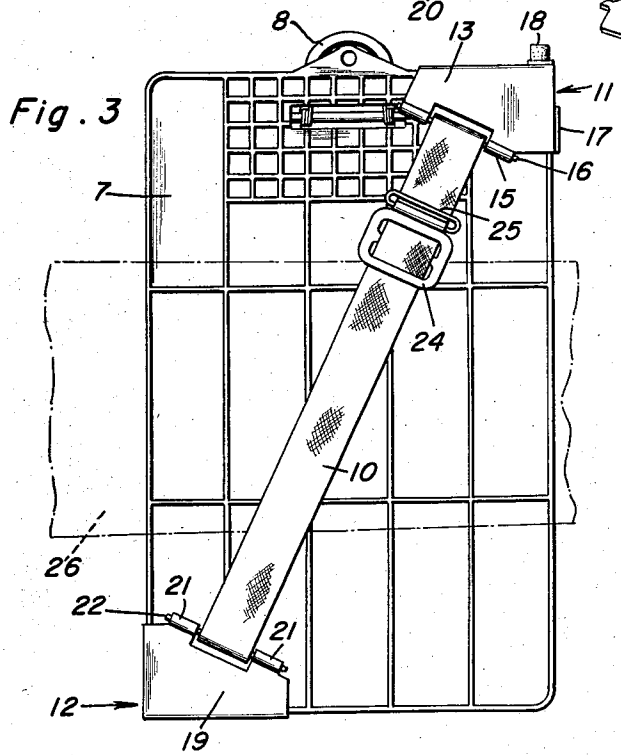


Fig. 4

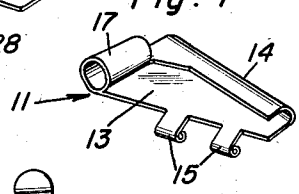
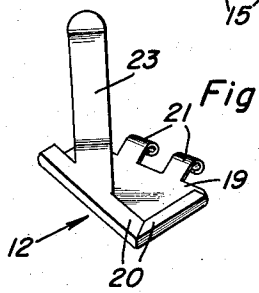


Fig. 5



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CLIP BOARD ATTACHMENT

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4 Claims. (Cl. 281—44)

The present invention relates generally to clip boards and has for its primary object to provide, in a manner as hereinafter set forth, novel means for expeditiously and firmly securing such boards in position for convenient use on either arm, leaving both hands free at all times to be used for other purposes such, for instance, as writing with one hand while holding onto a ladder or other support with the other hand for safety.

Another very important object of the invention is to provide an attachment of the aforementioned character which may be readily mounted on conventional clip boards of various dimensions and removed therefrom when desired.

Still another important object of the invention is to provide a clip board attachment of the character described which is adapted to hold a pencil or pen conveniently at hand.

Another object of the invention is to provide an attachment of the character set forth comprising means for securing the usually free lower end of the writing sheet to the board.

Other objects of the invention are to provide a clip board attachment of the character described which will be comparatively simple in construction, strong, durable, compact, of light weight, highly efficient and reliable in use and which may be manufactured at low cost.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawing forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a top plan view of a clip board equipped with an attachment embodying the present invention;

Figure 2 is a view in side elevation thereof;

Figure 3 is a bottom plan view;

Figure 4 is a detail view in perspective of one of the elastic strap anchors;

Figure 5 is a detail view in perspective of the other elastic strap anchor; and

Figure 6 is a fragmentary view in perspective, showing a modified form of anchor.

Referring now to the drawing in detail, it will be seen that reference character 7 designates a conventional substantially rectangular board of suitable dimensions. Mounted on the upper end portion of the board 7 is the usual spring actuated clamp 8 for securing the upper end of a scratch pad 9 on said board.

The attachment constituting the present invention comprises an arm strap 10 of suitable elastic material. Mounted on the ends of the elastic arm strap 10 are anchors 11 and 12 for mounting on diagonally opposite corners of the board 7. As shown to advantage in Figure 3 of the drawing, the anchors 11 and 12 are adapted to secure strap 10 diagonally under tension beneath the board 7.

The anchor 11 includes a plate 13 of suitable material

which is engageable beneath the upper left hand corner portion of the board 7. The plate 13 has formed integrally with two of its marginal edges a pair of relatively right angularly extending, inturned flanges 14 for the reception of the board 7. Also formed integrally with the plate 13 is a pair of aligned loops or eyes 15 having mounted therein a pin 16. Formed integrally with the side flange 14 is a tubular holder 17 for the reception of a pencil, as indicated at 18.

The anchor 12, which is adapted to be mounted on the lower right hand corner portion of the board 7, is substantially similar to the anchor 11 and includes a plate 19 of suitable material provided on two edges with integral, inturned, relatively right angular extending flanges 20 for the reception of the board 7. Also formed integrally with the plate 19 is a pair of aligned loops or eyes 21 having mounted therein a pin 22. The anchor 12 still further includes a resilient finger or tongue 23 which is integral with the lower flange 20 and which extends diagonally over the board 7 for engaging and retaining thereon the free lower ends of the writing sheets comprising the pad 9.

The elastic arm strap 10 is looped around the pins 16 and 22, adjusted to the desired tension and secured through the medium of a buckle or fastener 24. Mounted on the strap 10 is a loop 25 providing a grip to facilitate adjusting said strap.

It is thought that the use of the device will be readily apparent from a consideration of the foregoing. Briefly, the anchors 11 and 12 are mounted on the diagonally opposite upper and lower corner portions of the board 7 and the elastic strap 10 is adjusted to the desired tension. Thus, the anchors 11 and 12 are secured in position on the board and the elastic strap is held at the desired tension therebeneath. To mount the board 7 on the arm, as indicated at 26, the elastic strap 10 is sprung away from the board to permit the arm to be inserted therebetween as shown to advantage in Figure 2 of the drawing. In this manner the board 7 is firmly secured in position for convenient use on the arm, leaving both hands free. If desired, the anchors 11 and 12 may be formed to be mounted on the opposite corner portions of the board 7. In Figure 6 of the drawing, reference character 27 designates a slightly modified anchor comprising an integral, substantially U-shaped loop 28 for connecting the strap 10 thereto. Also, if desired, the anchors 11, 12 and 27 may be eliminated and suitable loops or eyes, for the reception of the pins 16 and 22, secured directly to the back of the board 7 on diagonally opposite corner portions thereof for mounting the elastic strap 10 thereon. Then, a resilient finger or tongue, substantially similar to the member 23, may be formed or mounted directly on the lower front portion of the board 7.

It cannot be stressed too strongly that the invention, if it be considered from the standpoint of an attachment, constitutes a readily applicable and removable attachment for a conventional clip board designed to provide means for securing such a board for use on the forearm of either the left or the right arm leaving both hands free for unhampered use. The fact that the scratch pad is clamped down at one end and held down with a hold-down finger at the opposite end avoids misplacement of the pad or the leaves of the pad, particularly while writing down notes. The accessibility and holding means for the pencil embodied in one of the anchoring clips is also of significance.

This invention functions to permit a relatively small or suitably sized clip board to be strapped on one arm thus freeing both hands for measuring windows while using a ladder. The two clips being connected by an adjustable

elastic strap makes the clips readily applicable to conventional type clip boards. The attachment may be utilized by merely slipping the anchoring clips **12** and **14** over the diagonally opposite corner portions thus locating the strap **10** at the desired oblique angle and facilitating safe and reliable retention on the user's forearm once in place.

Having this invention is comparable to having extra hands, as it were. It permits the safe and reliable writing down of measuring dimensions and notes on a scratch pad in high dangerous places and yet is also usable on the ground in the more or less normal way. Having this invention allows both hands freedom and provides a pencil or pen conveniently at hand, insures that the lower end of the sheets or leaves are held down against the pad proper while taking notes in high winds. And yet, and in spite of the over-all simplicity in construction, a user may be assured of maintaining balance on a ladder and may easily move the ladder from window to window without grounding his measuring tools. With this invention, one can be assured that there need be no more mismeasurements, juggling a clip board, pencil or pen, or having the sheets or leaves of the scratch pad flap out of position when the wind is sufficiently high to interfere with one's writing requirements.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. The combination with a rectangular clip board including a clamp engageable with one end portion of a writing pad for securing same on said board, of a pair of anchors removably mounted on diagonally opposite corners of the board, an elastic strap secured under tension to the anchors for retaining same on the board and engageable beneath an arm of the board user for securing said board thereon, and a resilient finger on one of the anchors engageable with the other end portion of the pad for clamping same to the board.

2. An attachment for a clip board whereby and through the medium of which the board, with a scratch pad clamped accessibly thereon, may be removably attached to either arm of a user while at the same time leaving the user's hands free for unhampered use comprising: an adjustable elastic strap of requisite width designed and adapted to yieldingly embrace the user's arm so that the board may be conveniently and comfortably perched and

reliably held at a desirably angled writing position on the user's arm, and upper and lower strap attaching and anchoring clips connected to the respective upper and lower ends of said strap, said clips each embodying a plate adapted to rest firmly against a bottom surface of the clip board and marginal flanges adapted to engage and rest upon a top surface of said board, said flanges being located and shaped so that the clip may be accommodatingly fitted over a corner of the board with the corner pocketed in the clip, and the inherent tension of said strap providing the means which retains the two clips releasably in place.

3. The structure defined in claim 2 and wherein one of the flanges on one of said clips has an elongated projecting member of resilient form which constitutes a leaf hold-down finger.

4. For use on the forearm of a worker when in a position of elevation on a ladder, scaffold or the like, means whereby memoranda may be written down and during which time both hands are free, one to write with and the other to hold on with, a clip board of prerequisite dimensions and suitable for the purposes intended, a clamp mounted at one end of said board, a scratch pad superimposed in a position for writing atop the board and having one end held against the board by said clamp, an elastic board attaching and retaining strap extending diagonally across the bottom of the board and adapted to embrace the user's arm, anchoring clips connected to the respective end portions of said strap, said anchoring clips being of pocket-like construction and being releasably fitted over diagonally opposite corner portions of said board, one of said clips being at a lower end portion of said board and being provided on a top side thereof with a resilient finger, said finger being extended in the direction and engaging a lower end of the topmost leaf of the pad to keep the leaf down in writing position, whereby the entire construction is substantially foolproof and susceptible of safe and practical use.

References Cited in the file of this patent

UNITED STATES PATENTS

302,768	Paine	July 29, 1884
1,317,423	Bottle	Sept. 30, 1919
1,594,215	Sides	July 27, 1926
1,701,888	Hofferberth	Feb. 12, 1929
2,211,879	Cave	Aug. 20, 1940
2,528,695	King	Nov. 7, 1950
2,658,773	Tarris	Nov. 10, 1953
2,701,173	Senior et al.	Feb. 1, 1955

FOREIGN PATENTS

854,944	Germany	Mar. 1, 1954