Oct. 5, 1937. A. E. LEVIN 2,095,141

SIGNAL DEVICE FOR RECORD SHEETS

Filed July 28, 1936

Fig. 1.

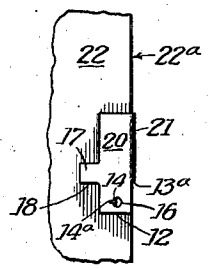


Fig. 2.

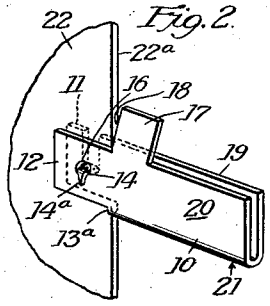


Fig. 3.

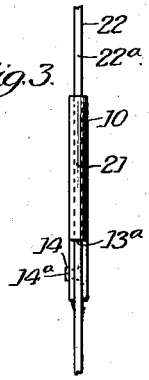


Fig. 4.

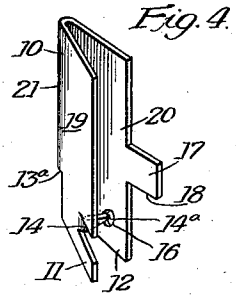
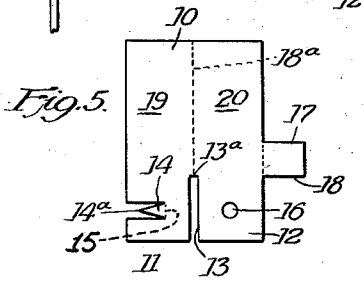


Fig. 5.



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SIGNAL DEVICE FOR RECORD SHEETS

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7 Claims. (Cl. 116—119)

This invention relates to signaling devices for use on record sheets, sheets or pages of books, and in a card index, etc.

The primary object of the invention is to provide a simple, low cost, easily operated signal device, which is easily applicable to such record sheets, and which may be readily movable into or out of signaling position, and having means thereon which may be manually manipulated to retain the device in its signaling position, in such a manner so as to prevent its being accidentally returned to non-signaling position on the sheet.

The device is in the nature of a clip made of relatively thin, soft material having sides formed thereon adapted to straddle a sheet and engage opposite faces thereof, and which sides are provided with means for perforating to pivotally secure the clip at an edge portion of the sheet, and while secured, may be rocked from a non-signaling position to a signaling position.

Referring to the drawing:

Figure 1 shows a face view of a fragment of a record sheet, having my improved signaling device applied thereto.

Figure 2 is an enlarged detail perspective view of the device in signaling position on the record sheet and with the lock means thereon engaging the edge of the sheet to retain the device against accidental movement.

Figure 3 is an enlarged edge view of Figure 1.

Figure 4 is an enlarged detail perspective view of the signaling device preparatory to its being applied to a record sheet; and

Figure 5 shows the blank from which the device is made.

The blank illustrated in Figure 5 may be of any suitable material, but preferably of a material that may be easily bent, and comprises a body portion **10** and a pair of legs **11** and **12**, divided by a gap **13**, the end of which forms a shoulder **13***a* in the body portion **10**. The leg **11** is provided with a sharp extension **14** that is adapted to be formed at a right angle along the dotted line **15**, and the leg **12** is provided with an opening **16**. The leg **12** has an integral outwardly extending ear **17**, the one edge **18** of which is aligned with the shoulder **13***a* of the gap **13**. This blank is adapted to be folded on the dotted line **18***a* to the position shown in Figure 4, and, when folded, the extension **14** of the leg **11** is adapted to cooperate with the opening **16** in the leg **12**, and the shoulder **13***a* of the gap **13** and the edge **18** of the ear **17** will be on opposite edges of the clip.

As shown in Figure 4, when the clip is thus formed, it has a main body **10** comprising sides **19** and **20** that converge into a back wall **21**, so that when the clip is placed on a record sheet or card **22**, (Fig. 1), the back wall **21** thereof will engage and be parallel with the edge **22***a* thereof, and as a pressure is applied to the sides **19** and **20**, the extension **14** on the leg **11** will perforate the sheet or card and extend through the opening **16** in the leg **12**. While in non-signaling position on the record sheet or card, the sides **19** and **20** and the legs **11** and **12** of the clip will frictionally engage opposite sides of the record sheet or card, and retain the same from movement thereon. The extension **14** forms a pivotal center for the clip, and on which center, it may be pivotally swung to signaling position, (Fig. 2), and when in this position, the shoulder **13***a* of the gap **13** will engage the edge **22***a* of the record sheet or card and serves as a stop to limit the movement of the clip in one direction thereon.

When it is desired to swing the clip to signaling position so that the particular record sheet or card to which it is attached may be easily and readily detected while stacked with others, the ear **17** of the clip may be bent slightly, as shown in Fig. 2, so that the edge **18** thereof will overlie and engage the edge **22***a* of the record sheet or card **22**. When the clip is in this position on the record sheet or card, the edge **18** of the ear **17** thereof serves with the shoulder **13***a* to lock the clip from swinging movements on its pivotal center formed by the extension **14**. As the material used in making the clip is very soft, the ear **17** thereof may be bent numerous times without breaking, and the clip may be readily detached from the sheet or card to which it is attached by merely spreading the sides **19** and **20** thereof to open position, (Fig. 4), and then applying the same to another sheet or card in the manner as above described.

When the clip is to be permanently fixed for swinging movements on a sheet or card, the free end **14***a* of the extension **14** on the leg **11**, may be bent or cleated over the edge of the opening **16** in the leg **12** after the clip is placed in position thereon. While permanently secured, the clip may be pivotally swung into signaling or non-signaling position at the will of the operator, and the ear **17** thereon may be slightly bent when the clip is in signaling position and securely retains the same readily visible.

It will be seen that the clip when formed, has angularly disposed side walls **19** and **20**, which facilitate attaching the same to a sheet or card,

as the clip may be easily placed thereon with the sides 19 and 20 thereof adapted to straddle the sheet, and it is the pressure applied to the sides 19 and 20 thereof that clinch the clip into position with the extension 14 thereof extending through the sheet or card. As the material used is very thin, it will be noted that when the clip is in non-signaling position on the sheet, the thickness of the back wall 21 thereof is the only portion of the clip that extends outwardly of the edge 22a of the sheet. The clip may be of various colors to indicate different accounts, or of a color which will be easily and readily detected at a glance.

I contemplate as being included in these improvements all such changes, variations and departures from what is thus specifically illustrated and described, as fall within the scope of the appended claims.

I claim:

1. A clip adapted to straddle the edge of a sheet or card consisting of a narrow strip of thin sheet material sharply bent across a straight line to form angularly disposed side walls to embrace the sheet or card, at least one of said side walls having pivoting means thereon adapted to perforate the sheet or card when said side walls are forced into contact with opposite faces of said sheet or card, and an ear extending from one of said side walls, said ear forming means for locking the device in one position of its pivotal movements.

2. The combination of claim 1 hereof in which said pivoting means comprise a small V-shaped inwardly directed extension on one of said side walls and there is a cooperating oppositely-disposed opening in the other side wall.

3. A signaling device adapted to be positioned over the edge of a sheet or card consisting of a narrow strip of sheet material provided with a gap intermediate one edge thereof and bent across a straight line extending through said gap to form a U-shaped body portion having a pair of legs thereon to embrace the sheet or card, and pivoting means on said legs adapted to coact with each other and form a pivotal center for the device when the body portion and legs are pressed into engagement with opposite sides of the sheet or card, and an ear extending from the body portion and arranged to be bent over the edge of the sheet or card to prevent displacement of the device when said device is in signaling position.

4. A signaling device adapted to be positioned over the edge of a sheet or card consisting of a substantially rectangular-shaped strip of thin and soft sheet material, sharply bent across a straight line intermediate its width to form angularly disposed side walls, pivotal means on one of said side walls adapted to coact with the other side wall when said side walls are pressed into engagement with opposite sides of the sheet or card, and an ear extending from one of said side walls and adapted to be manually positioned to engage the sheet or card after said device is swung to signaling position, said ear forming means for retaining the device against accidental displacement on the sheet or card.

5. The combination of claim 4 hereof in which there are legs extending from each of said side walls forming a stop therebetween, said pivotal means being on one of said legs and coacting with the other whereby upon the pivotal movement of the device said stop forms means for limiting its movement in one direction.

6. A signaling device consisting of a relatively thin and soft rectangular-shaped sheet material having a gap centrally of one edge thereof and bent across a straight line extending through said gap to form a U-shaped body, the gap forming legs extending from said U-shaped body, pivotal means on one of said legs adapted to cooperate with said other leg, said pivotal means serving to retain the device in position when placed on an edge of a sheet or card and a pressure is applied thereto, said gap forming stop means for limiting the movement of the device when swung to signaling position, and means on the U-shaped body adapted to be manually positioned to engage the edge of the sheet or card, and when positioned said last-mentioned means will coact with said stop means to retain the device fixedly positioned for signaling.

7. The device of claim 6 hereof in which the bending and pressure applied to the body will cause the same to lightly grip the extreme edge of the sheet or card and afford minimum separation of the sheets or cards when stacked.

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