Dec. 30, 1952 J. BRENNER ET AL 2,623,460

POCKET NAME PRINTER

Filed Feb. 6, 1950

FIG. 1.

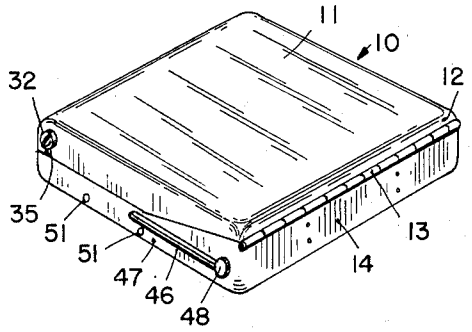


FIG. 2.

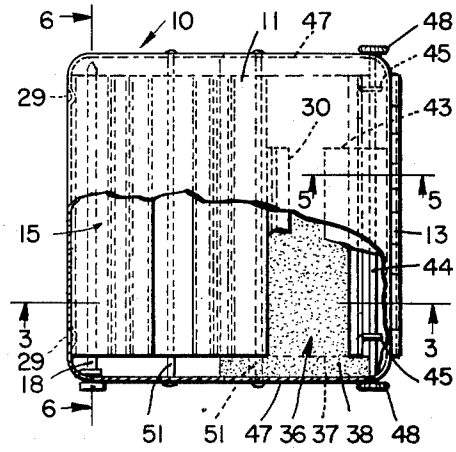


FIG. 7.

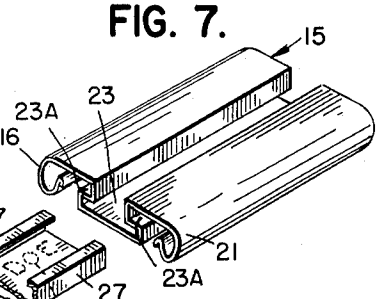


FIG. 8.

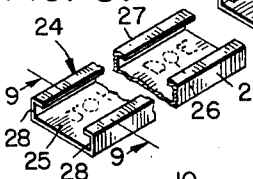


FIG. 3.

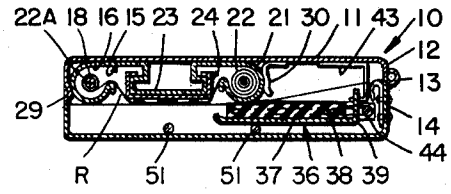


FIG. 6.

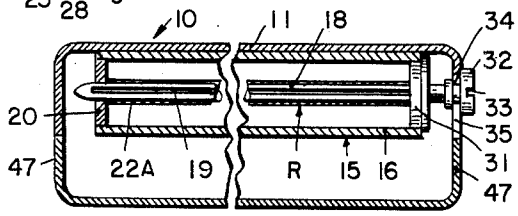


FIG. 4.

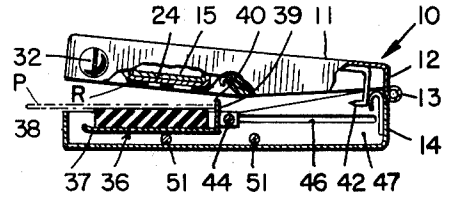


FIG. 9.

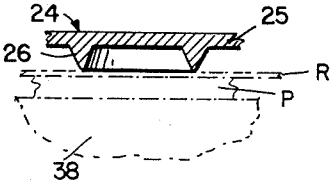
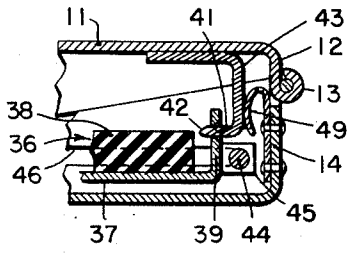


FIG. 5.



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POCKET NAME IMPRINTER

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Application February 6, 1950, Serial No. 142,632

6 Claims. (Cl. 101—297)

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This invention relates to a pocket name imprinter.

One object of the invention is to provide an imprinter which may be carried in the pocket or purse without danger of soiling the fingers or clothes. Another object is to provide a pocket imprinter in which different printing dies may be readily installed. Another object is to provide an imprinter using a renewable inked ribbon. A further object is to provide a pocket imprinter which may be tightly closed while not in use to avoid entrance of dust and dirt.

These and other objects are attained by our invention which will be understood from the following description, reference being made to the accompanying drawing which forms a part hereof in which:

Figure 1 is a perspective view showing a preferred form of our invention as it appears when closed;

Figure 2 is a top plan view with parts broken away to show the interior construction;

Figure 3 is a cross-sectional view taken on the line 3—3 of Figure 2;

Figure 4 is a side elevational view with parts broken away and shown in section showing the imprinter in position to operate;

Figure 5 is a cross-sectional view taken on the line 5—5 of Figure 2;

Figure 6 is a cross-sectional view taken on the line 6—6 of Figure 2;

Figure 7 is a perspective view showing the ribbon and printing die holding cartridge;

Figure 8 is a perspective view showing the die clip; and

Figure 9 is a cross-sectional view taken on the line 9—9 of Figure 8 showing the raised letters of the name or other insignia on the die clip and also showing in dotted lines the operative position of the raised letters relative to the ribbon, the paper to be imprinted and the rubber platen when the impression is made.

In the preferred form shown, our imprinter is contained in a case 10 which may be made of any suitable material such as metal or plastic materials or combinations thereof, said case having the upper part case 11 hingedly attached along the back edge 12 by the hinge 13 to the lower part case 14. As shown the case is divided into approximately equal upper and lower parts but the parts may be along different planes of division. The two part cases are intended to be opened only enough to easily insert the paper P which is to be imprinted as shown particularly in Figure 4, although upon occasion the case

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may be more fully opened when it is necessary to provide access to the interior for changing the ribbon, etc. A ribbon cartridge 15 is provided adjacent the front edge of the upper part case 11. This cartridge 15 consists of a formed sheet of metal or plastic extending substantially the full width of the case, the sheet being bent into roughly a double S curve as shown in Figure 7, there being provided an open sided cylindrical sleeve at the front edge of the upper part case 11 adapted to receive the used inked ribbon 22A wound on a winding core 18. The opposite portion of the ribbon cartridge is also formed in an open sided and open end cylindrical sleeve 21 which is adapted to receive a roll of fresh inked ribbon 22, the roll being received through the open end of the sleeve 21. Between the sleeves 16 and 21, there is provided a grooved receiver 23 over which the die clip 24 is adapted to be mounted being slipped on the receiver at one end thereof. The die clip 24 consists of a metal plate 25 having raised insignia such as letters 26, the edges 27 of the plate 25 being turned up and over to form the channels 28 which are adapted to slide in the grooves 23A of the receiver 23 of the ribbon cartridge 15. The cartridge 15 is held in place in the upper part case 11 by dimples 29 provided on the inside front edge of the upper part case 11 and by the spring clip 30 which engages the cylindrical sleeve 21, the spring clip 30 being attached to the inside upper surface of the case 11. The winding core 18 is provided with a longitudinal slot 19 adapted to receive the end of the ribbon R, this winding core being rotatably mounted at one end in a closing disk 20 which is affixed in the end of the cylindrical sleeve 16, the opposite end of the winding core being provided with a removable plug 31 which is adapted to fit into the opposite end of the cylindrical sleeve 16. The winding core 18 is further provided with a head 32 having a screw driver slot 33 accessible from the outside of the case by which the winding core may be turned with the thumb nail, a coin, or other thin object. The head 32 is provided with a deep peripheral groove 34 into which the edge of the upper part case 11 fits, there being a notch 35 provided in the side wall of the upper part case 11 to permit the closing of the case.

A movable platen 36 is provided in the lower part case 14, this platen consisting of a sliding carriage 37 upon which a block 38 of sponge rubber or other similar resilient material is mounted, the block 38 being co-extensive with the printing die. The carriage 37 slides on the rods 51 and is

provided with a back plate 39 which extends above the top surface of the block 38 to provide a stop means 40 to limit the depth of the insertion of the paper P which is to be imprinted when the device is opened as shown in Figure 4. The back plate 39 is provided with a longitudinal slot 41 at approximately the level of the top of the block 38, this slot being adapted to receive the tongue 42 extending forwardly from the locking bracket 43 which is attached inside the upper part case 11. The platen 36 is adapted to be retracted from the operating position directly under the printing die to the rear position in which the tongue 42 engages in the slot 41 (as shown in Figure 5), by the retractor bar 44 which is held adjacent the back plate 39 by the brackets 45. The ends of the retractor bar 44 extend through casing slots 46 in the edge walls 47 of the lower part case 14, end buttons 48 being conveniently provided for gripping by the fingers when it is desired to shift the platen 36 from one position to the other. A spring 49 is provided between the locking bracket 43 and the back edge of the lower part case 14 which spring tends to urge the opening of the upper part case 11 relative to the lower part case 14 so that the paper P may be inserted. The casing slots 46 are covered when the device is closed by the edges of the rubber block 38 which press lightly against the inside wall.

The method of using the pocket name imprinter will be obvious from the description of the parts. After the ribbon has been put in place so that it covers the raised letters of the printing die which is mounted on the receiver 23 as previously described, then the platen 36 is moved forwardly by means of the buttons 48, the first portion of the forward movement causing the tongue 42 to disengage itself from the slot 41 in the back plate 39, thereby allowing the spring 49 to urge the opening of the upper part case 11 relative to the lower part case 14. This leaves a narrow opening into which the paper P may be inserted after the platen is then moved further forward to locate the platen block 38 directly beneath the printing die with the ribbon between the block 38 and the raised letters 26. The two parts of the case are then manually pressed together, thereby imprinting the insignia on the die on to the inserted paper P. After the imprinting has been performed, and the paper removed, the case may be again closed by retracting the platen 36 by means of the button 48 toward the hinged edge of the case until the tongue 42 is forced into the slot 41, causing the closing together of the upper and lower part cases, and latching the case in closed position. The ribbon may be turned to a new position as needed to give a good print from the raised letters of the die. An exhausted ribbon may be renewed by forcing the entire cartridge 15 out of the spring clip 30 and after removing the used ribbon from the winding core 18, inserting a new ribbon in the sleeve 21, the winding end of the new ribbon being started in the slot 19 of the winding core 18. The die clip may be easily changed as desired by end-wise sliding of the die clip on or off of the receiver 23 as previously described.

The advantages of our pocket name imprinter will be apparent. The device may be used as a means of identification or for imprinting the owner's name and address on sales slips or on other papers. The device is compact and may be carried in the pocket or the purse, and because it is tightly closed when not in use, it does not soil the clothes or the contents of the pocket, nor is there any danger of dust, lint, etc., getting into the device while it is being so carried in the pocket. The die plate and the ribbon are readily changeable or renewable.

We claim:

1. A pocket name imprinter comprising a casing having an upper and a lower part casing hingedly connected at one edge, and adapted to be opened to admit the paper sheet which is to be imprinted; a printing die having raised letters, said die being fixed longitudinally of said casing inside the upper part casing adjacent the front edge thereof, said printing die being removable laterally when said casing is opened; means for supporting an inked ribbon against the faces of said raised letters on said die; a movable platen mounted in said lower part case, said platen including a resilient block mounted on a carriage and adapted to hold the paper to be imprinted when the die and intervening inked ribbon are pressed against it; means for moving said platen from a position under said die to a position out of contact with said die; and means operatively associated with said platen moving means for holding said casing closed.

2. A pocket name imprinter comprising a casing having an upper and a lower part casing hingedly connected at one edge, and adapted to be opened to admit the paper sheet which is to be imprinted; a printing die having raised letters, said die being fixed longitudinally of said casing inside the upper part casing adjacent the front edge thereof, said printing die being removable laterally when said casing is opened; means for supporting an inked ribbon against the faces of said raised letters on said die including a sleeve for holding a roll of ribbon disposed on one side of said die, and a sleeve for holding a roll of used ribbon disposed on the opposite side of said die, including means accessible from the outside of said casing for moving said ribbon; a movable platen mounted in said lower part case, said platen including a resilient block mounted on a carriage and adapted to hold the paper to be imprinted when the die and intervening inked ribbon are pressed against it; means for moving said platen from a position under said die to a position out of contact with said die; and means operatively associated with said platen moving means for holding said casing closed.

3. A pocket name imprinter comprising a casing having an upper and a lower part casing hingedly connected at one edge, and adapted to be opened to admit the paper sheet which is to be imprinted; a combined printing die and inked ribbon cartridge fixed longitudinally of said casing inside the upper part casing adjacent the front edge thereof and laterally removable from the opened side of said imprinter, said cartridge including a printing die having raised letters, said die being removable endwise from said cartridge, and said cartridge also including means for supporting an inked ribbon against the faces of said raised letters on said die consisting of a sleeve for holding a roll of ribbon disposed on one side of said die, a sleeve for holding a roll of used ribbon disposed on one side of said die, and a winding core for one of said sleeves having turning means accessible from the outside of said casing; a movable platen mounted in said lower part case, said platen including a resilient block mounted on a carriage and adapted to hold the paper to be imprinted when the die and intervening inked ribbon are pressed against it; means for moving said platen from a position under said die to a position out of contact with said

die; and means operatively associated with said platen moving means for holding said casing closed.

4. A pocket name imprinter comprising a casing having an upper and a lower part casing hingedly connected at one edge, and adapted to be opened to admit the paper sheet which is to be imprinted; a combined printing die having raised letters fixed longitudinally of said casing inside the upper part casing adjacent the front edge thereof and laterally removable from the opened side of said imprinter; means for supporting an inked ribbon against the faces of said raised letters on said die including a sleeve for holding a roll of ribbon disposed on one side of said die, and a sleeve for holding a roll of used ribbon disposed on the opposite side of said die, including means accessible from the outside of said casing for moving said ribbon; a movable platen mounted in said lower part case, said platen including a resilient block mounted on a carriage and adapted to hold the paper to be imprinted when the die and intervening inked ribbon are pressed against it; means for moving said platen from a position under said die to a position out of contact with said die, said means including finger gripping buttons accessible outside said case; and means for holding said casing closed including a locking bracket attached to said upper part casing and a cooperating member on said carriage.

5. A pocket name imprinter comprising a casing having an upper and a lower part casing hingedly connected at one edge; and adapted to be opened to admit the paper sheet which is to be imprinted; a combined printing die having raised letters fixed longitudinally of said casing inside the upper part casing adjacent the front edge thereof and laterally removable from the opened side of said imprinter; means for supporting an inked ribbon against the faces of said raised letters on said die including a sleeve for holding a roll of ribbon disposed on one side of said die, and a sleeve for holding a roll of used ribbon disposed on the opposite side of said die, including means accessible from the outside of said casing for moving said ribbon; a movable platen mounted in said lower part case, said platen including a resilient block mounted on a carriage and adapted to hold the paper to be imprinted when the die and intervening inked ribbon are pressed against it and also including a back plate having a locking slot therein; means operatively connected to said back plate for moving said platen from a position under said die to a position out of contact with said die, said means including finger gripping buttons accessible outside said case; means for holding said casing closed including a locking bracket having a locking tongue adapted to engage said back plate slot, said bracket being attached to said upper part casing; and spring means urging the separation of said upper and said lower part casing, when said locking tongue is disengaged from said locking slot.

6. A pocket name imprinter comprising a casing having an upper and a lower part casing hingedly connected at one edge, and adapted to be opened to admit the paper sheet which is to be imprinted; a combined printing die and inked ribbon cartridge fixed longitudinally of said casing inside the upper part casing adjacent the front edge thereof and laterally removable from the opened side of said imprinter, said cartridge including a printing die having raised letters removable from said cartridge, and also including means for supporting an inked ribbon against the faces of said raised letters on said die consisting of a sleeve for holding a roll of ribbon disposed on one side of said die, a sleeve for holding a roll of used ribbon disposed on the opposite side of said die, and a winding core for one of said sleeves having turned means accessible from the outside of said casing; a movable platen mounted in said lower part case, said platen including a resilient block mounted on a carriage and adapted to hold the paper to be imprinted when the die and intervening inked ribbon are pressed against it and also including a back plate having a locking slot therein; means operatively connected to said back plate for moving said platen from a position under said die to a position out of contact with said die, said means including finger gripping buttons accessible outside said case; means for holding said casing closed including a locking bracket having a locking tongue adapted to engage said back plate slot, said bracket being attached to said upper part casing; and spring means urging the separation of said upper and said lower part casing, when said locking tongue is disengaged from said locking slot.

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