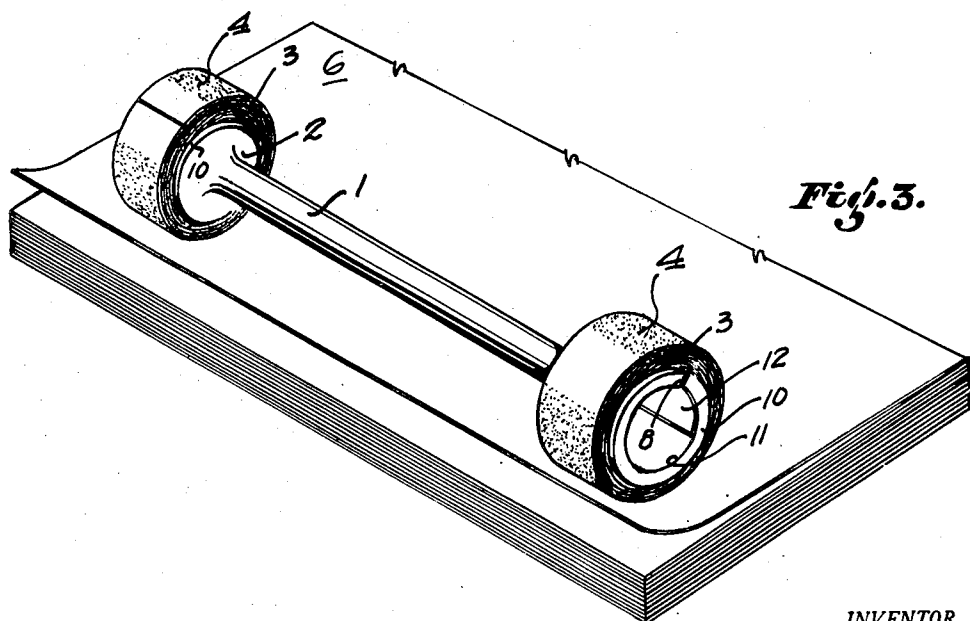
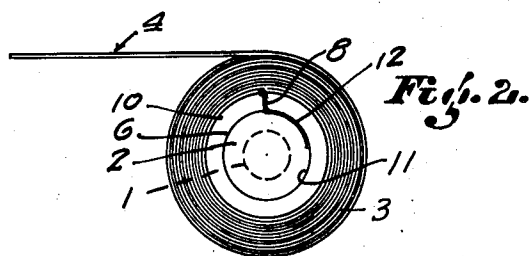
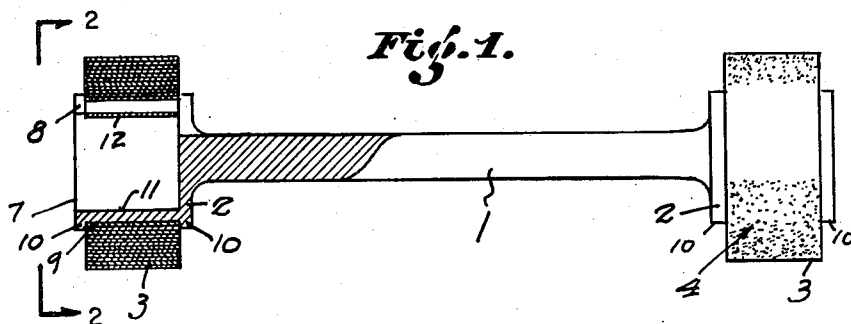


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F. C. SUTLIFFE
ADHESIVE PICKUP DEVICE

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ADHESIVE PICKUP DEVICE

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4 Claims. (Cl. 294-1)

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This invention relates to an adhesive pick up device and method for making the same.

The primary object of this invention is to provide a pick up device in which a roll of an adhesive strip is so held that it can adhere to and pick up a sheet of material, such as paper, carbon paper or the like, and whereby such sheet can be carried and deposited for sorting, stacking or interleaving.

Another object of the invention is to provide an adhesive pick up device, in which the exposed adhesive surface can be quickly renewed, for instance by peeling off the outer layer of a roll.

I am aware that some changes may be made in the general arrangements and combinations of the several devices and parts, as well as in the details of the construction thereof without departing from the scope of the present invention as set forth in the following specification, and as defined in the following claims; hence I do not limit my invention to the exact arrangements and combinations of the said device and parts as described in the said specification, nor do I confine myself to the exact details of the construction of the said parts as illustrated in the accompanying drawings.

With the foregoing and other objects in view, which will be made manifest in the following detailed description reference is had to the accompanying drawings for the illustrative embodiment of the invention, wherein:

Fig. 1 is a partly sectional side view of my pick up device.

Fig. 2 is an end view of my device, viewing it from the direction of arrows 2-2 of Fig. 1; and

Fig. 3 is a perspective view of my device in operation on a stack of sheets.

In carrying out my invention, I make use of a handle 1, a drum 2 on the handle, and a roll of adhesive strip 3 on the drum, which latter has its adhesive side 4 exposed, facing toward the outside periphery of the roll.

It is preferable that a drum and roll be provided at each end of the handle 1, so as to provide opposite rolls of substantially equal diameter, for simultaneously touching a sheet 6, and picking it up, as shown in Fig. 3. The sheet 6 can be removed from the rolls 3 by flicking it off by a finger of the operator.

In detail, each drum 2 is hollow and its outer end 7 is open. A slot 8 is cut into the drum 2 from said open end 7 to the other end of the drum 2. The outer periphery 9 of the drum 2 has outwardly projecting flanges 10 at each end to confine the nearest turns of the adhesive strip 3 upon the drum periphery. The inner periphery 11 of the drum 2 is preferably larger than the diameter of the handle 1.

The method of forming the adhesive roll 3, includes the steps of inserting an end 12 of the adhesive strip endwise through the slot 8 with the adhesive side 4 of the strip facing outwardly,

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and pressing the adhesive side said end 12 against the inside drum periphery 11 adjacent said slot 8. After the strip end 12 is so anchored, the strip is wound around said drum and upon itself with said adhesive side 4 always facing outwardly, until a roll 3 of a desired initial diameter is formed.

The operation and use of my pick up device is simple. The operator lightly presses the end rolls 3 upon the sheet 6 and lifts the sheet over to a point of sorting, or stacking or interleaving, and there it flicks the sheet off the rolls by a finger. When the exposed adhesive surface of the tape dries out, the operator peels off the outer layer of each roll 3, and thus exposes a fresh adhesive circumferential surface for further use.

I claim:

1. In an adhesive device for picking up a sheet, a handle and a roll of adhesive strip at each end of the handle forming drums substantially axially aligned, the adhesive side of each strip facing toward the outside periphery of each roll.

2. In an adhesive device for picking up a sheet, a handle, a drum on each end of the handle, the drums being in general parallel alignment with one another, and a strip of adhesive wound on each drum and having the adhesive side thereof facing outwardly with respect to the drum.

3. In an adhesive device for picking up a sheet, a handle, a drum on the handle, said drum having a transverse slot in its periphery, an adhesive strip having an end thereof extended through said slot and adhered to the inside of said drum and being wound on said drum into a roll with its adhesive side facing toward the outer periphery of the roll.

4. In an adhesive device for picking up a sheet, a handle, a drum on the handle, said drum having a transverse slot in its periphery, an adhesive strip having an end thereof extended through said slot and adhered to the inside of said drum and being wound on said drum into a roll with its adhesive side facing toward the outer periphery of the roll, said drum being hollow, and said end of said strip being inserted with its adhesive side facing outwardly and against the inner periphery of said drum adjacent said slot.

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