

B65C

LABELLING OR TAGGING MACHINES, APPARATUS, OR PROCESSES (nailing or stapling in general B25C, B27F; applying labels for packaging purposes B65B; labels, name-plates G09F) [N: (series-printing machines B41L; containers for the storage or transport of packages B65D)]

Definition statement

This subclass/group covers:

Labelling flat essentially rigid surfaces.

Labelling other than flat surfaces, such as bottles, cables or wire.

Labelling fabrics or comparable materials or articles with deformable surfaces, e.g. paper, fabric rolls, stockings, shoes.

Affixing tags.

Details of labelling machines or apparatus.

Manually-controlled or manually-operable label dispensers, e.g. modified for the application of labels to articles.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Franking apparatus	G07B 17/00
Franking apparatus attaching a label on a mailpiece:	G07B 2017/0062 .
Apparatus or processes specially adapted for marking conductors or cables	H01B 13/34
Making of (adhesive) labels provided on carrier webs	B31D 1/02 .
Labels or tags as such	G09F 3/00 , G09F 3/00
Handling thin or filamentary material, e.g. webs	B65H
Adding cards, coupons or other inserts to package contents	B65B 61/20

Apparatus for applying lining or sheathing using tubular layers or sheathings	B29C 63/42 and subgroups.
Enclosing successive articles in tubular webs/Devices for distending tubes supplied in the flattened state	B65B 9/14

Synonyms and Keywords

In patent documents the following terms are used with the meaning indicated:

Liner labels (label backing/carrier)	web/liner/strip/sheet
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B65C 1/00

Labelling flat essentially-rigid surfaces (labelling of fabrics B65C5/00)

Definition statement

This subclass/group covers:

Affixing labels to one flat surface of articles.

Affixing labels, e.g. wrap-around labels, to two or more flat surfaces of a polyhedral article, e.g. cigarette package.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Franking apparatus	G07B 17/00
Franking apparatus attaching a label on a mailpiece	G07B 2017/0062

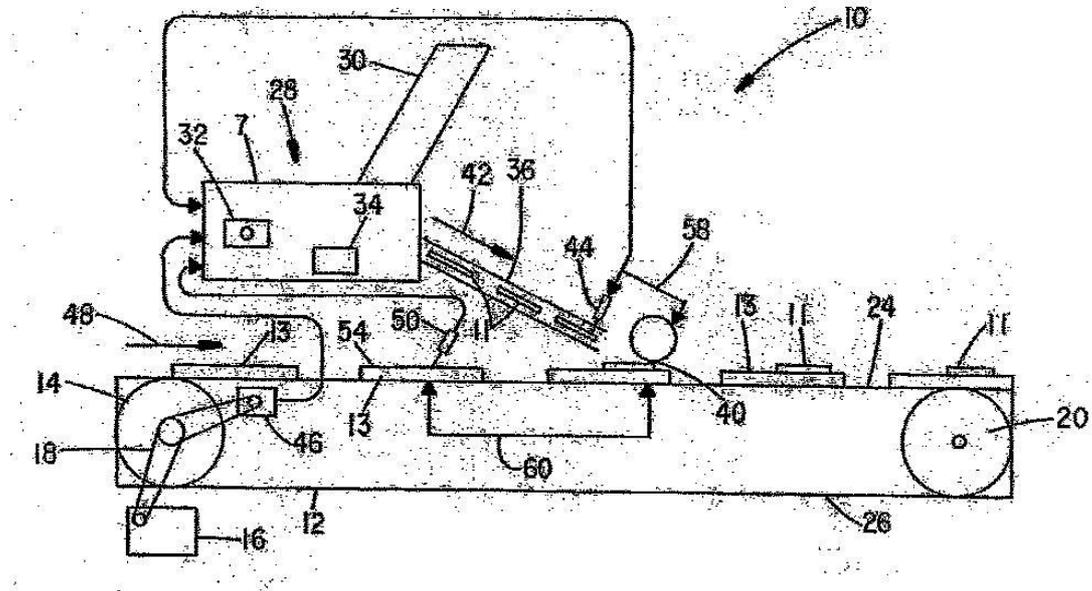
B65C 1/02

Affixing labels to one flat surface of articles, e.g. of packages, of flat bands

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



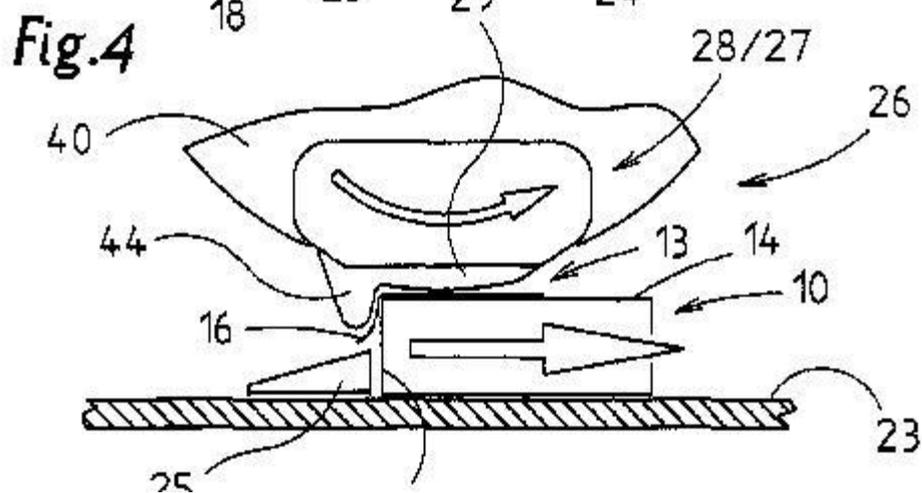
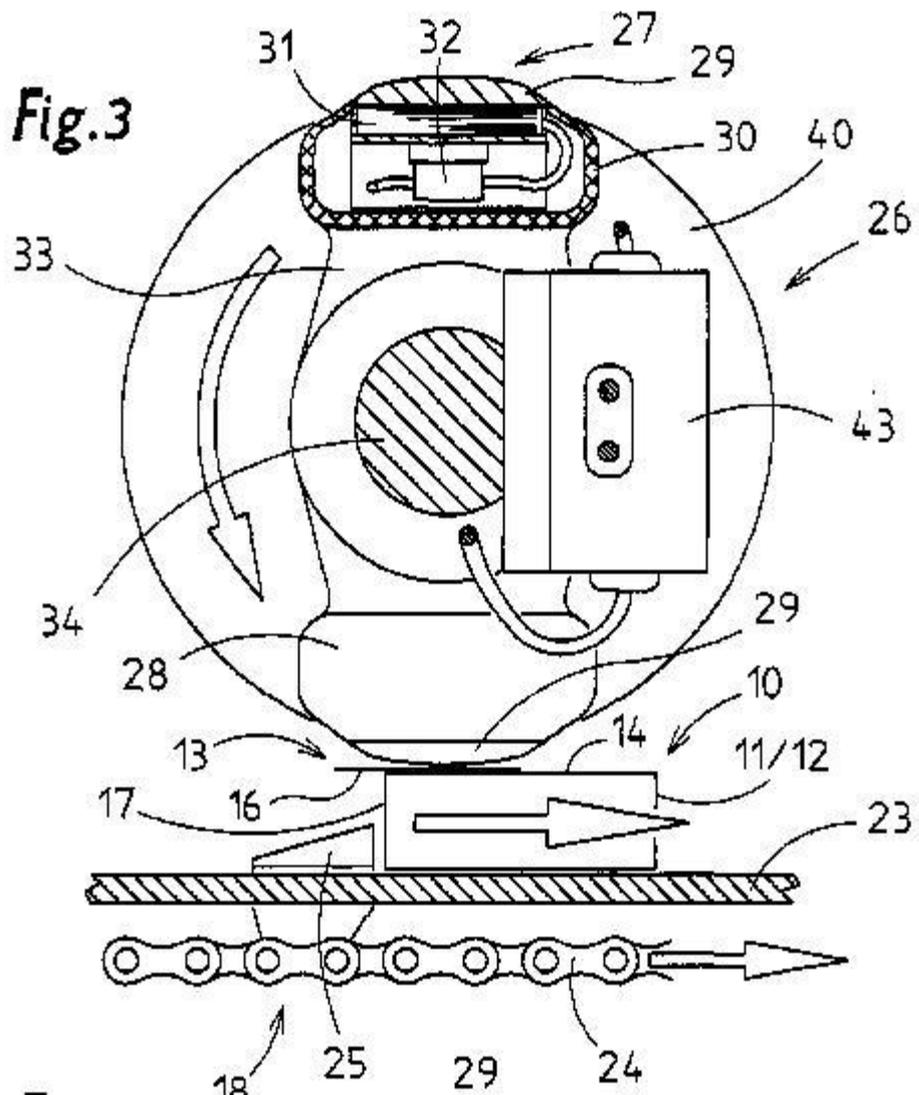
B65C 1/04

Affixing labels, e.g. wrap-around labels, to two or more flat surfaces of a polyhedral article

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



B65C 3/00

Labelling other than flat surfaces (of fabrics B65C5/00)

Definition statement

This subclass/group covers:

Affixing labels to elongated objects, e.g. wires, cables.

Affixing labels to short rigid containers., e.g. bottles.

Affixing labels to non-rigid containers, e.g. bottles made of polyethylene, boxes to be inflated by internal air pressure prior to labelling.

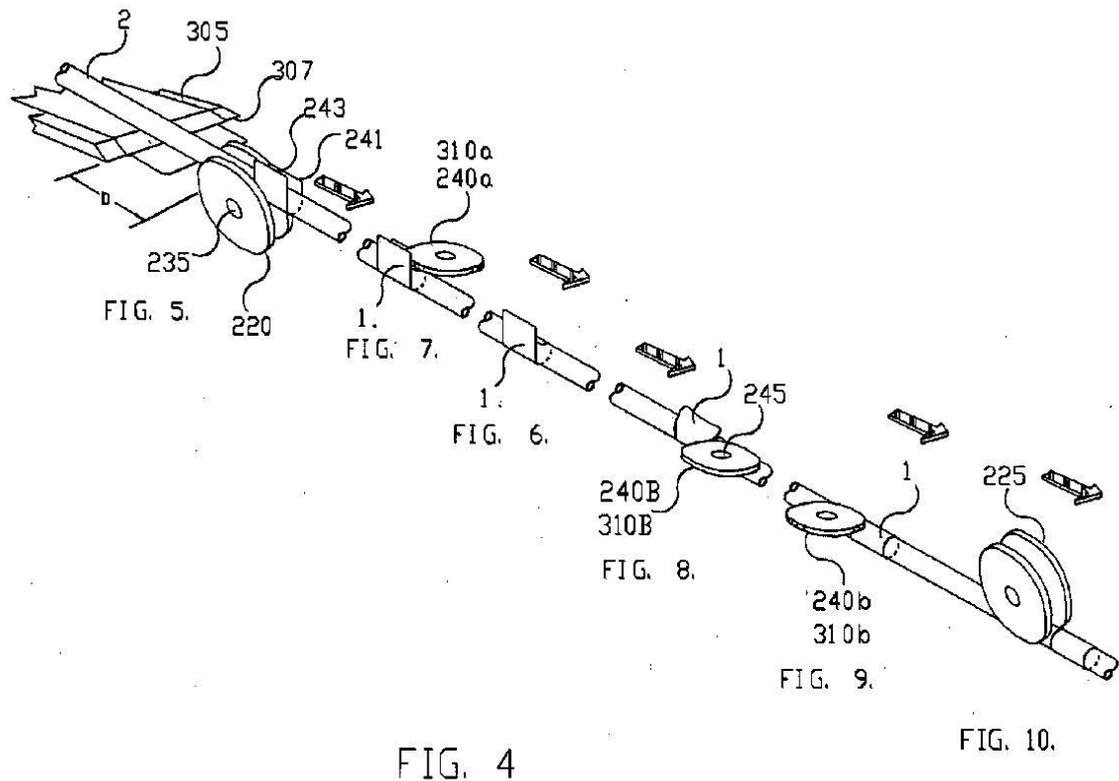
B65C 3/02

Affixing labels to elongated objects, e.g. wires, cables, bars, tubes

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



B65C 3/06

Affixing labels to short rigid containers

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

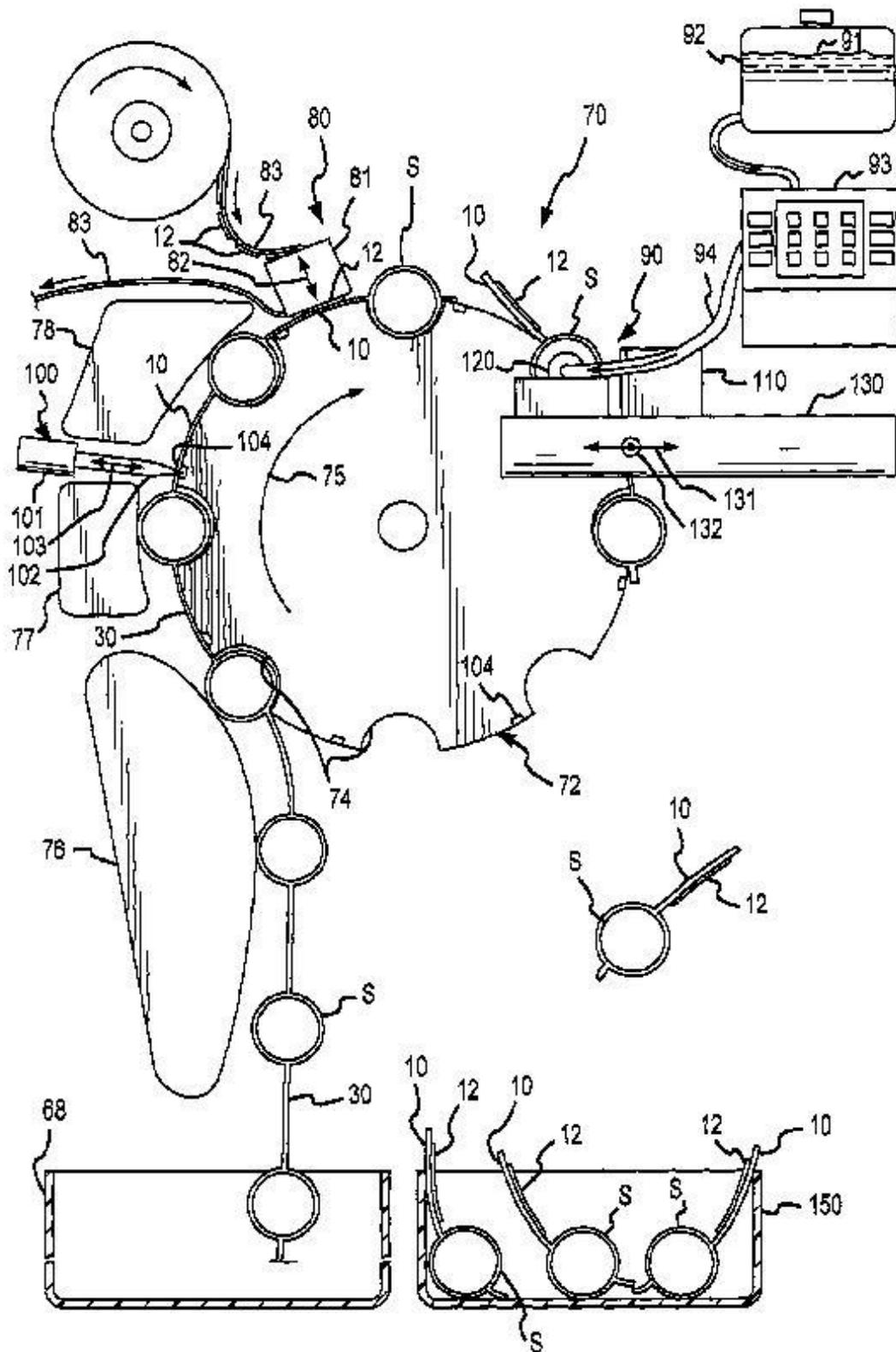


FIG. 5

Informative references

Attention is drawn to the following places, which may be of interest for search:

Apparatus or processes specially	H01B 13/34
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adapted for marking conductors or cables	
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B65C 3/065

[N: by placing tubular labels around the container (applying preformed tubular sheathings of plastics in general B29C63/18; applying protective covers to closures B67B5/03)]

Informative references

Attention is drawn to the following places, which may be of interest for search:

Apparatus for applying lining or sheathing using tubular layers or sheathings:	B29C 63/42 and subgroups
Enclosing successive articles in tubular webs/Devices for distending tubes supplied in the flattened state	B65B 9/14

B65C 3/26

Affixing labels to non-rigid containers, e.g. bottles made of polyethylene, boxes to be inflated by internal air pressure prior to labelling

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

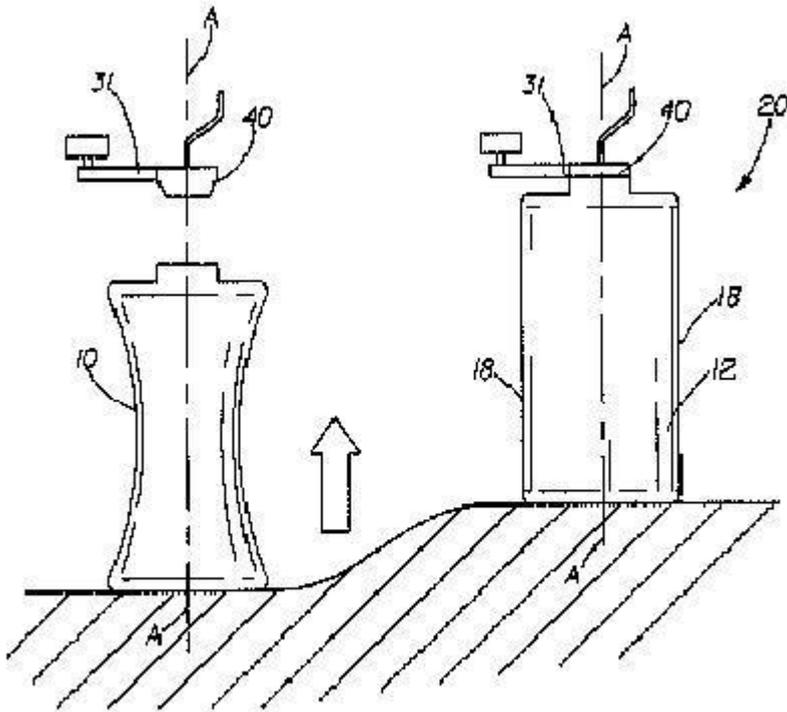


Fig. 5A

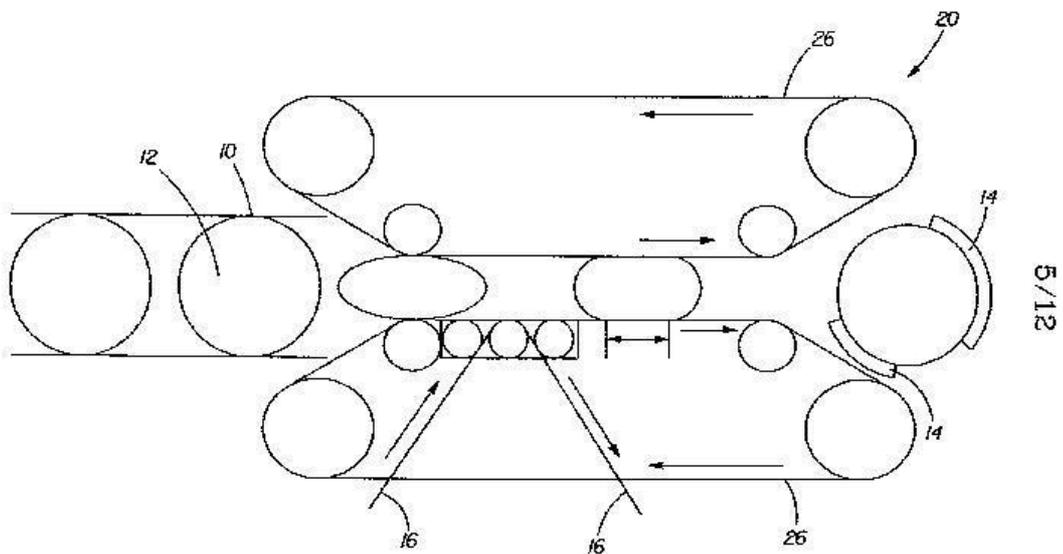


Fig. 4C

B65C 5/00

Labelling fabrics or comparable materials or articles with deformable surface, e.g. paper, fabric rolls, stockings, shoes (affixing labels to non-rigid containers B65C3/26; by sewing D05B) [N: (applying marks during shoe manufacture

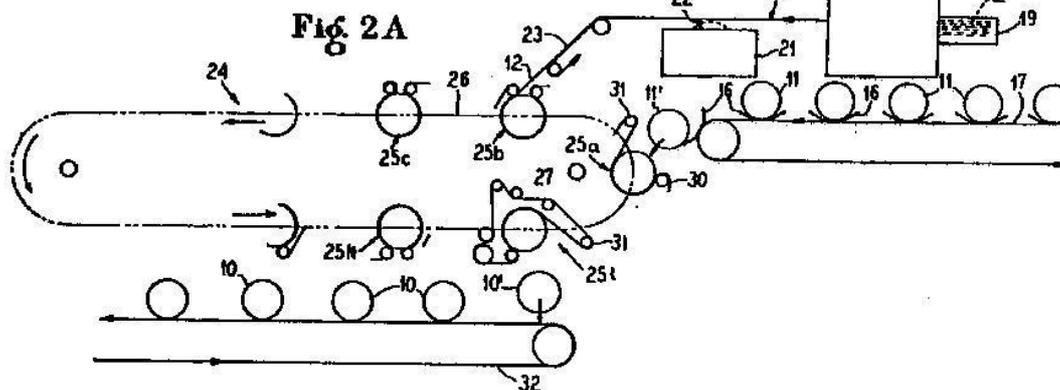
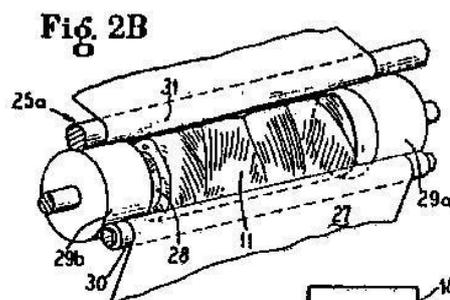
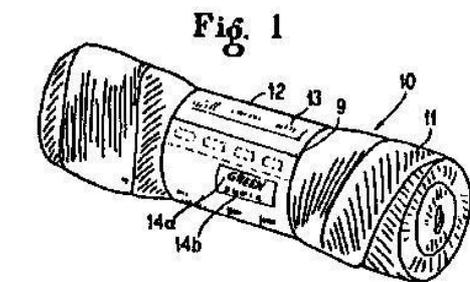
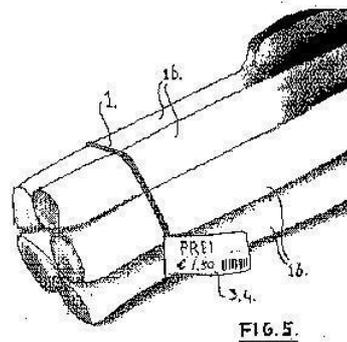
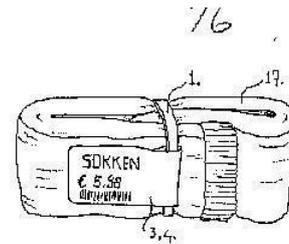
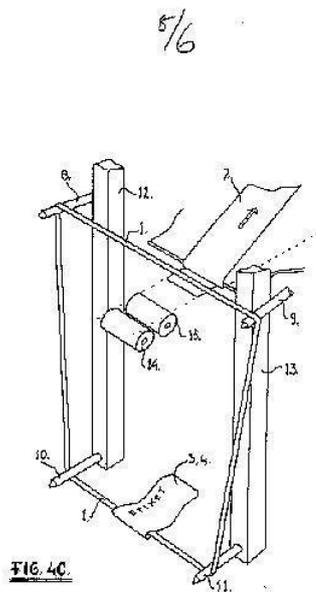
**A43D95/14; marking textile materials by attaching tags
D06H1/04]**

Definition statement

This subclass/group covers:

Using adhesives.

Using staples.



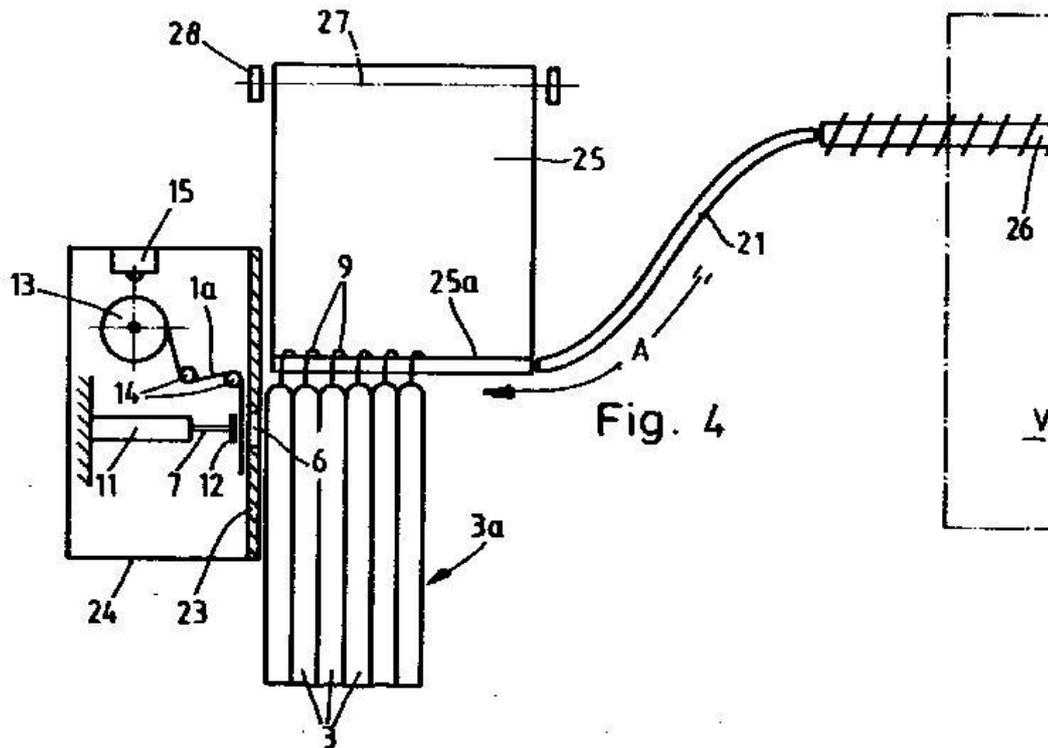
B65C 5/02

using adhesives

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



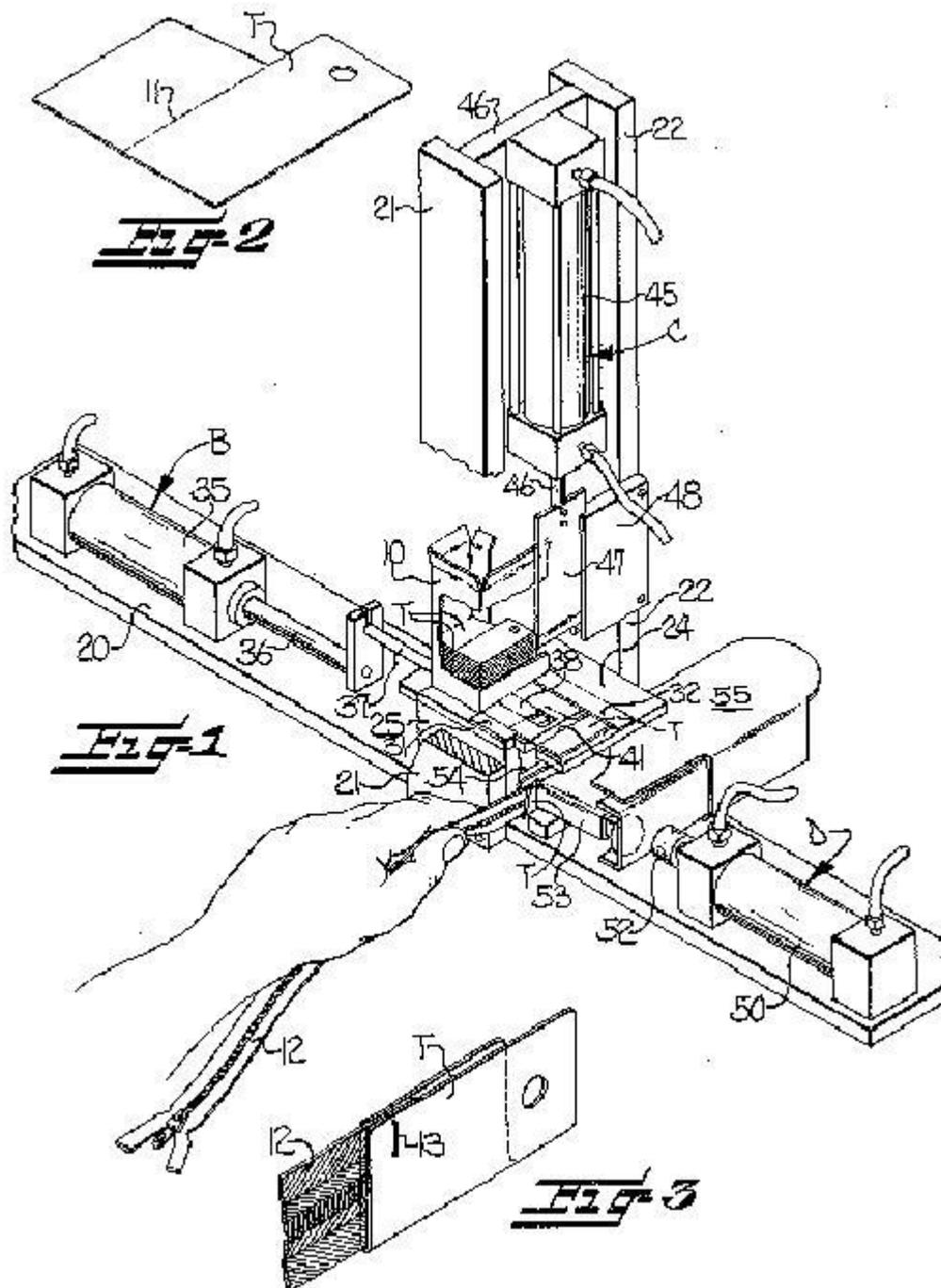
B65C 5/06

using staples [N: (man-operated portable stapling tools B25C5/00; permanently attaching together sheets B42B4/00)]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



B65C 7/00

Affixing tags (in combination with filling of tea bags B65B29/04) [N: (multi-step processes for making labels or tags B31D1/02)]

Definition statement

This subclass/group covers:

Using pins having at least one sharp pointed end.

Using paddle-shaped plastic pins.

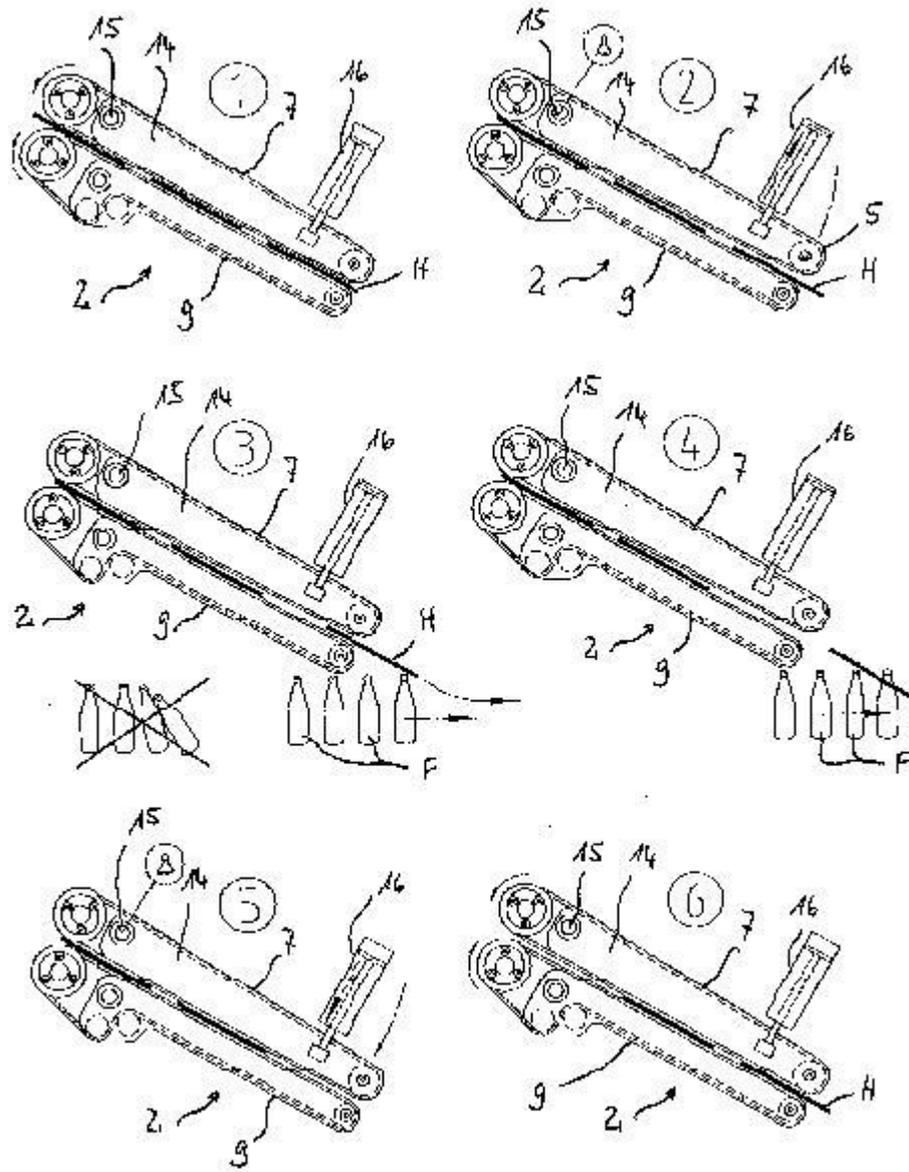
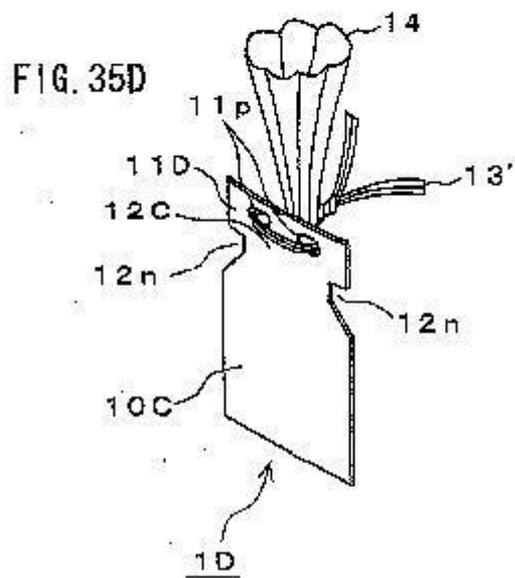
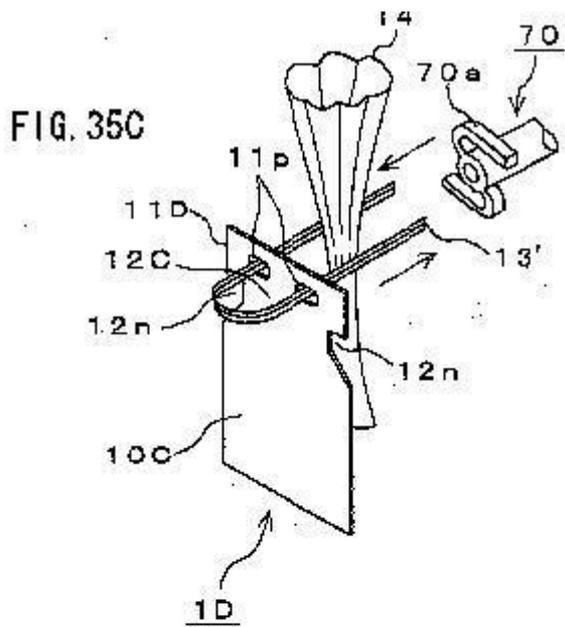


Fig. 3



B65C 7/001

[N: using pins having at least one sharp pointed end]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

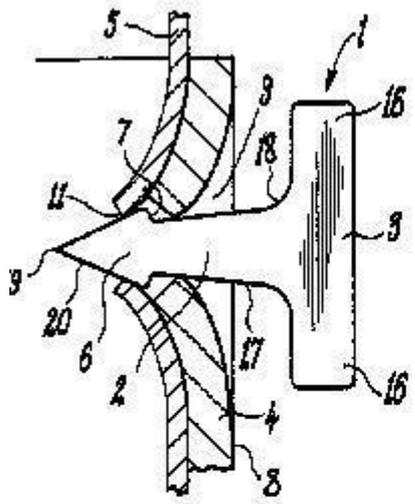


FIG 5

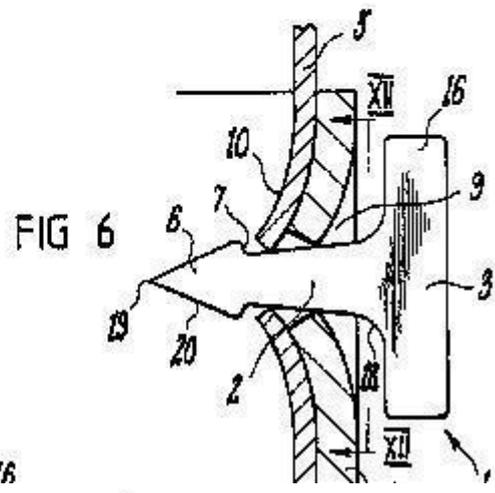


FIG 6



FIG 25

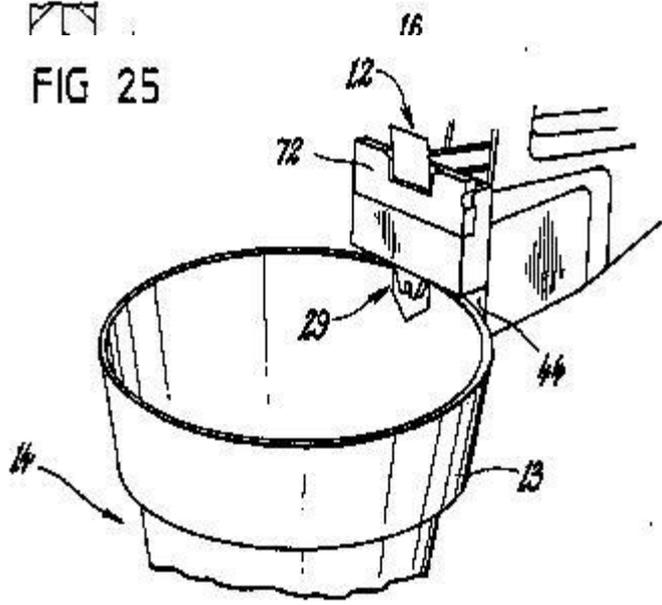
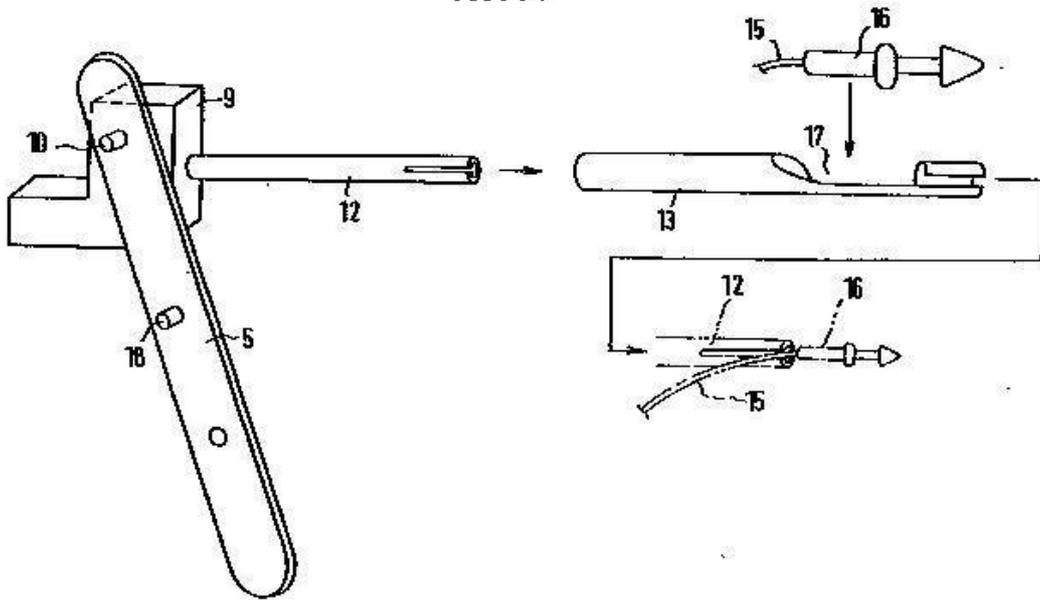


FIG. 11



B65C 7/003

[N: using paddle-shaped plastic pins (using plastic pins for affixing buttons to garments A41H37/008)]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

FIG. 9

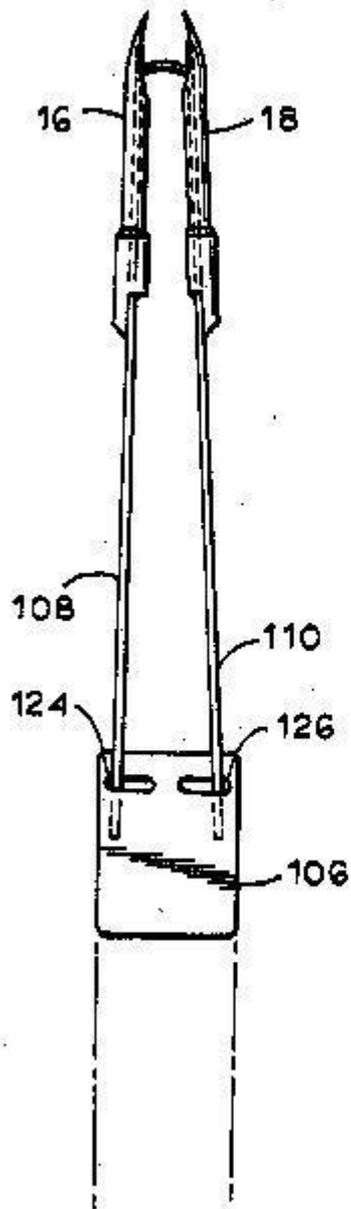
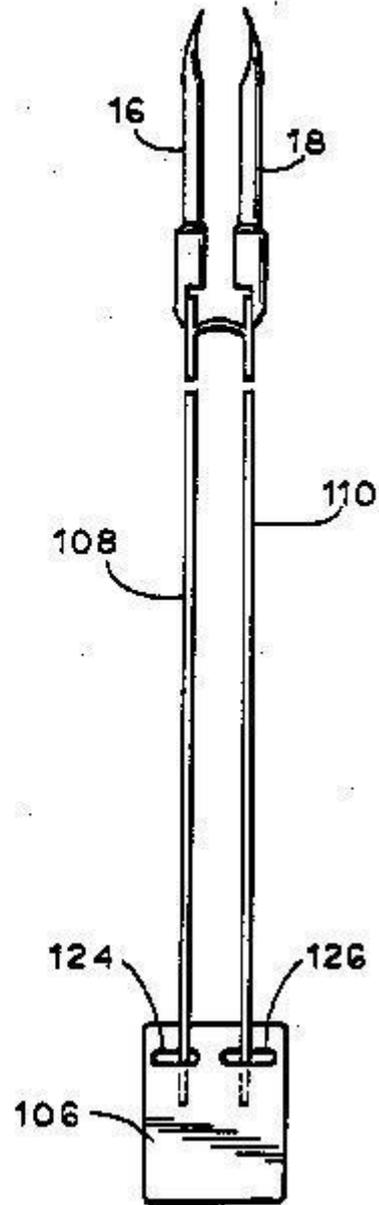


FIG. 10



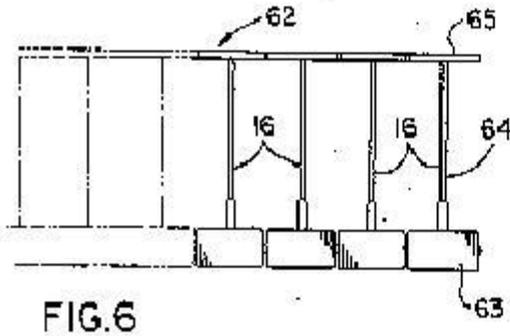


FIG. 6

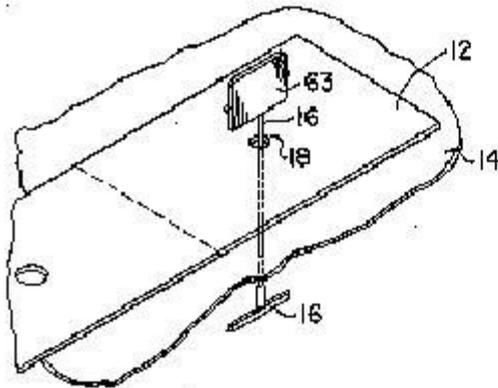


FIG. 7



FIG. 5

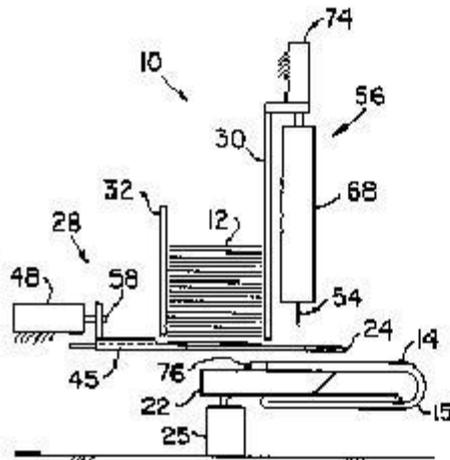


FIG. 8

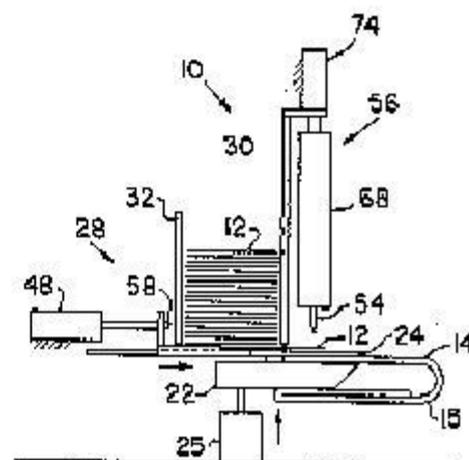


FIG. 9

B65C 9/00

Details of labelling machines or apparatus [N: (attaching articles to carriers B65B15/00; cards of samples G09F5/04)]

Definition statement

This subclass/group covers:

Removing backing sheets.

Preparing the labels or articles, e.g. smoothing, removing air bubbles.

Interchangeable modules of a labelling machine, e.g. different label type or size dispenser modules. Cutting tubular labels from a web.

Devices for moving articles, e.g. containers, past a labelling station.

Devices for presenting articles in predetermined attitude or position at a labelling station.

Label feeding Gluing the labels or articles.

Devices for applying labels.

Label cooling or drying.

Controls; Safety devices.

Applying date marks, code marks, or the like, to the label during labelling.

B65C 9/0006

[N: Removing backing sheets]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

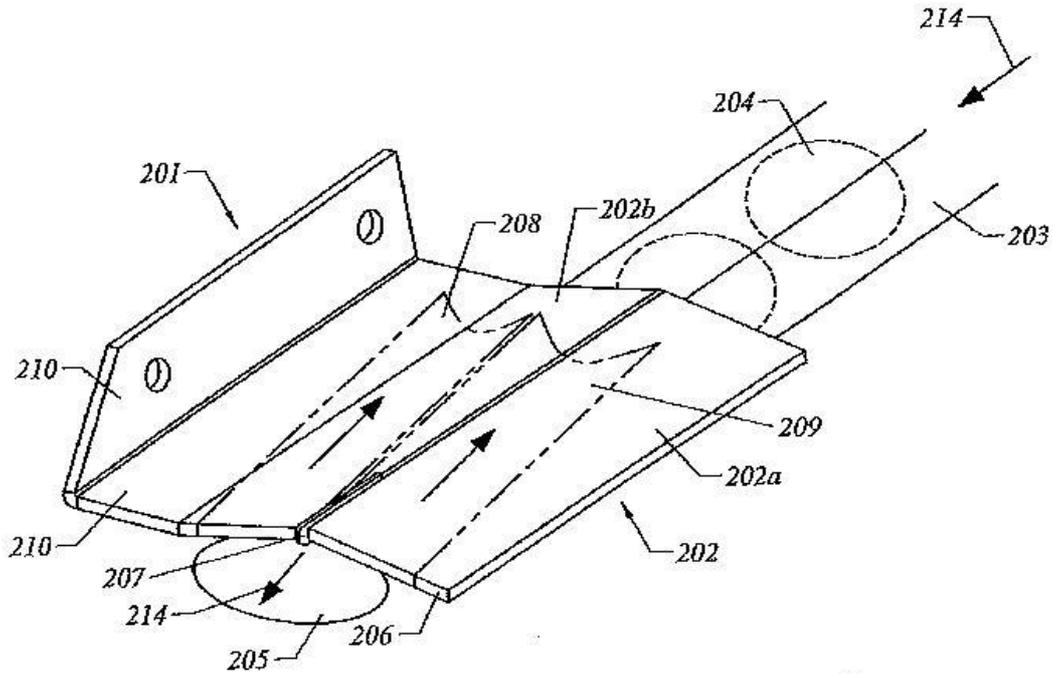


FIG. 3

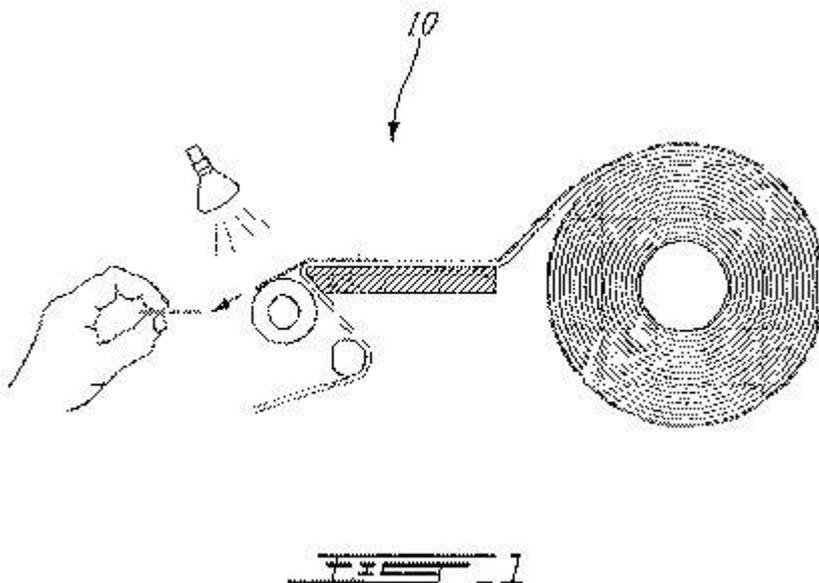
B65C 9/0015

[N: Preparing the labels or articles, e.g. smoothing, removing air bubbles]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



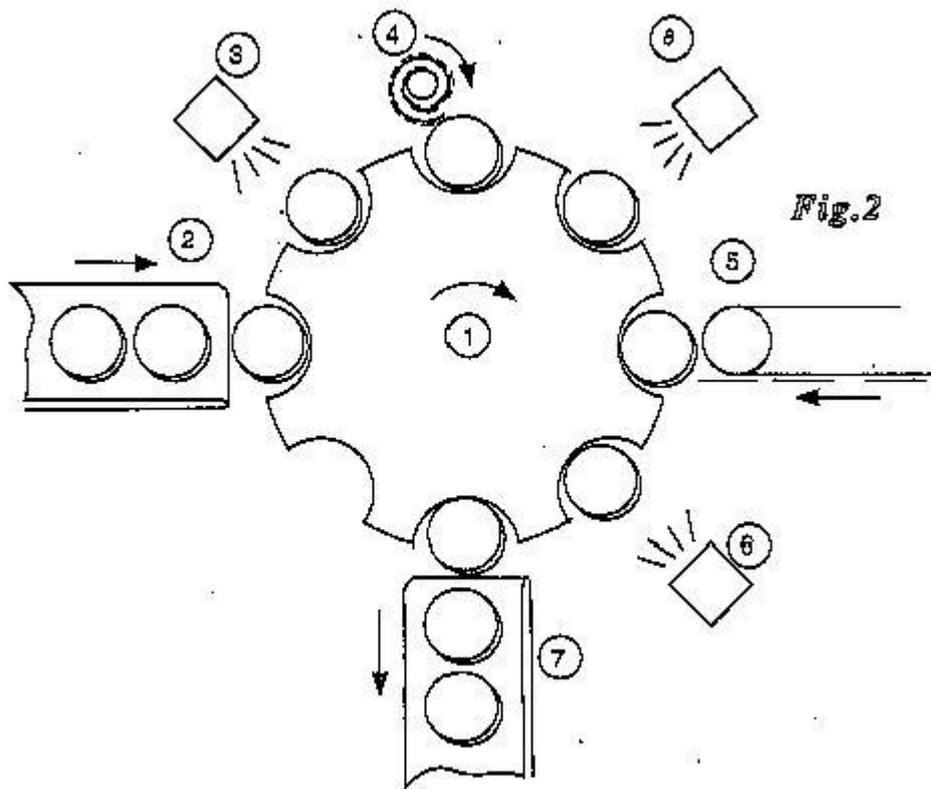


Fig.2

B65C 9/0062

[N: Interchangeable modules, e.g. applicator heads with label magazines and glue rollers]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

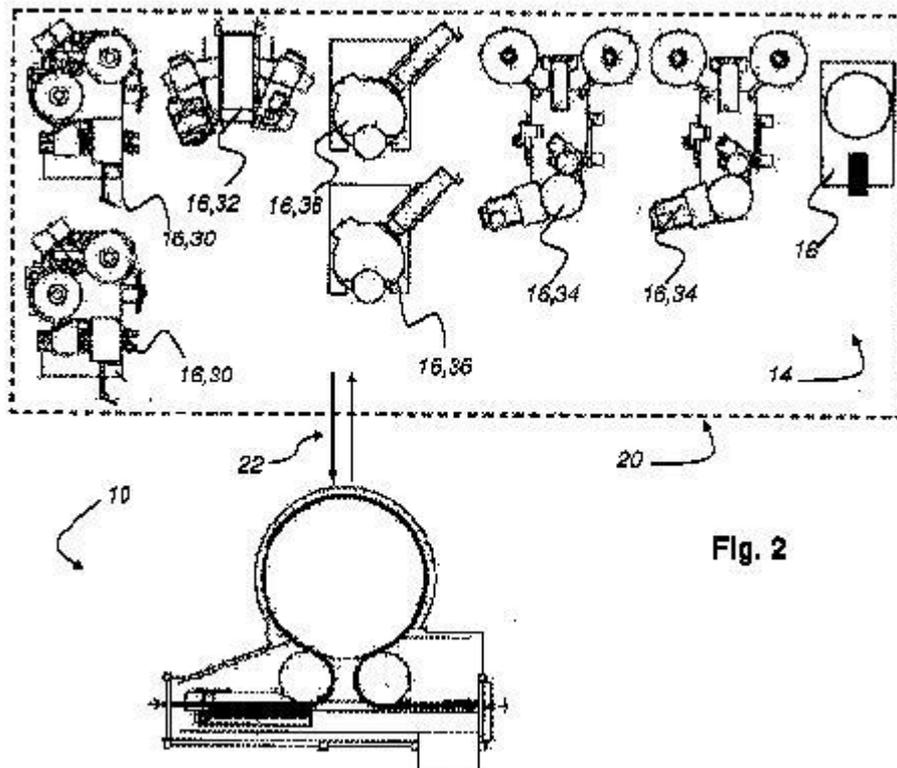


Fig. 2

B65C 9/0065

[N: Cutting tubular labels from a web]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

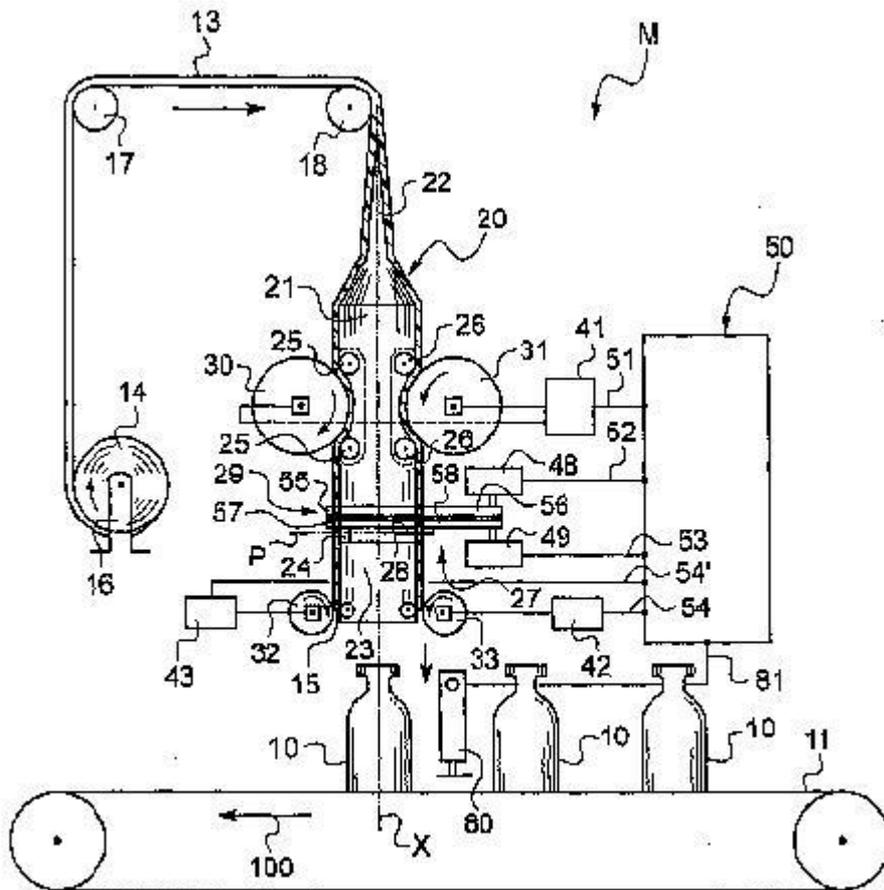


Fig.1

B65C 9/02

Devices for moving articles, e.g. containers, past labelling station

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

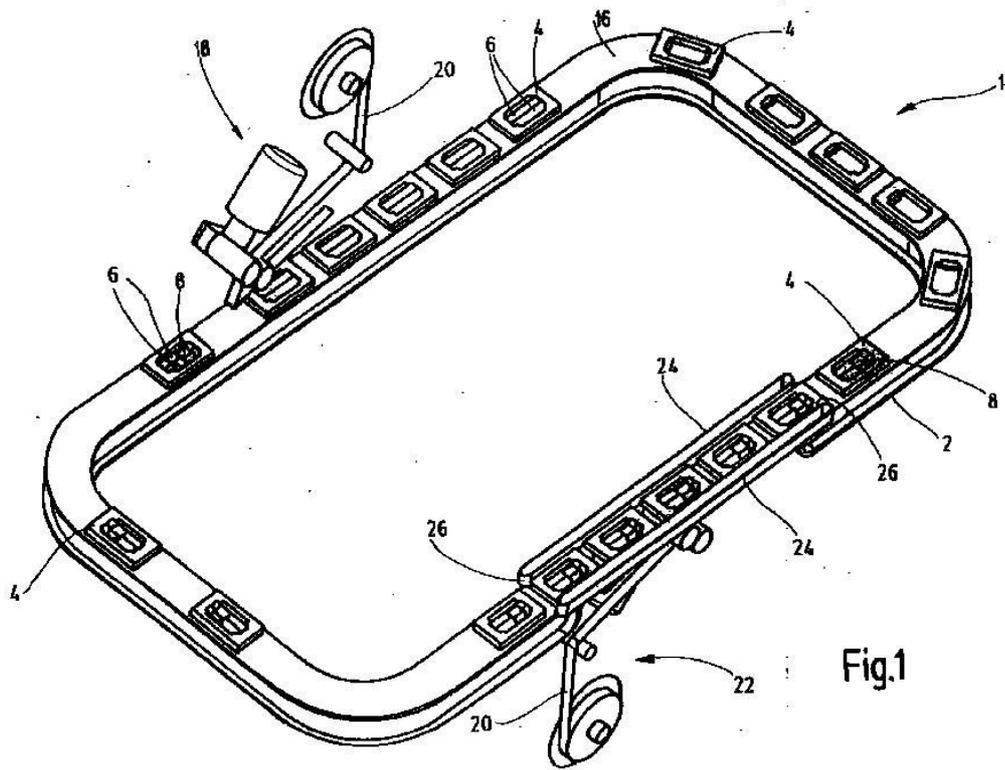


Fig.1

B65C 9/04

having means for rotating the articles

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

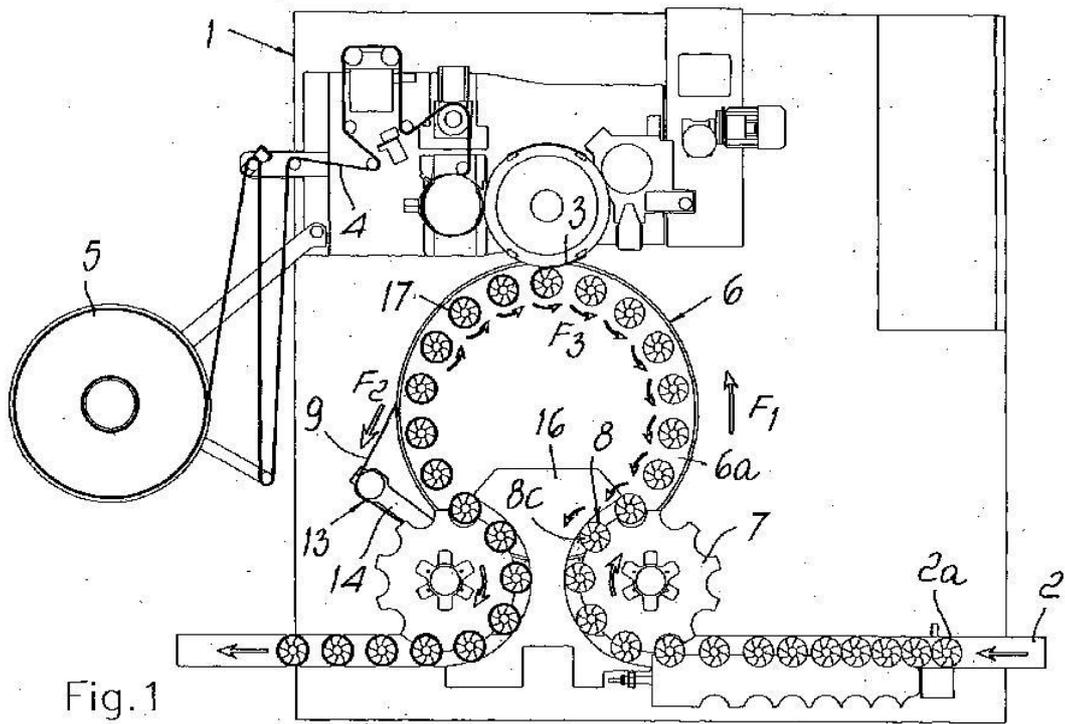


Fig.1

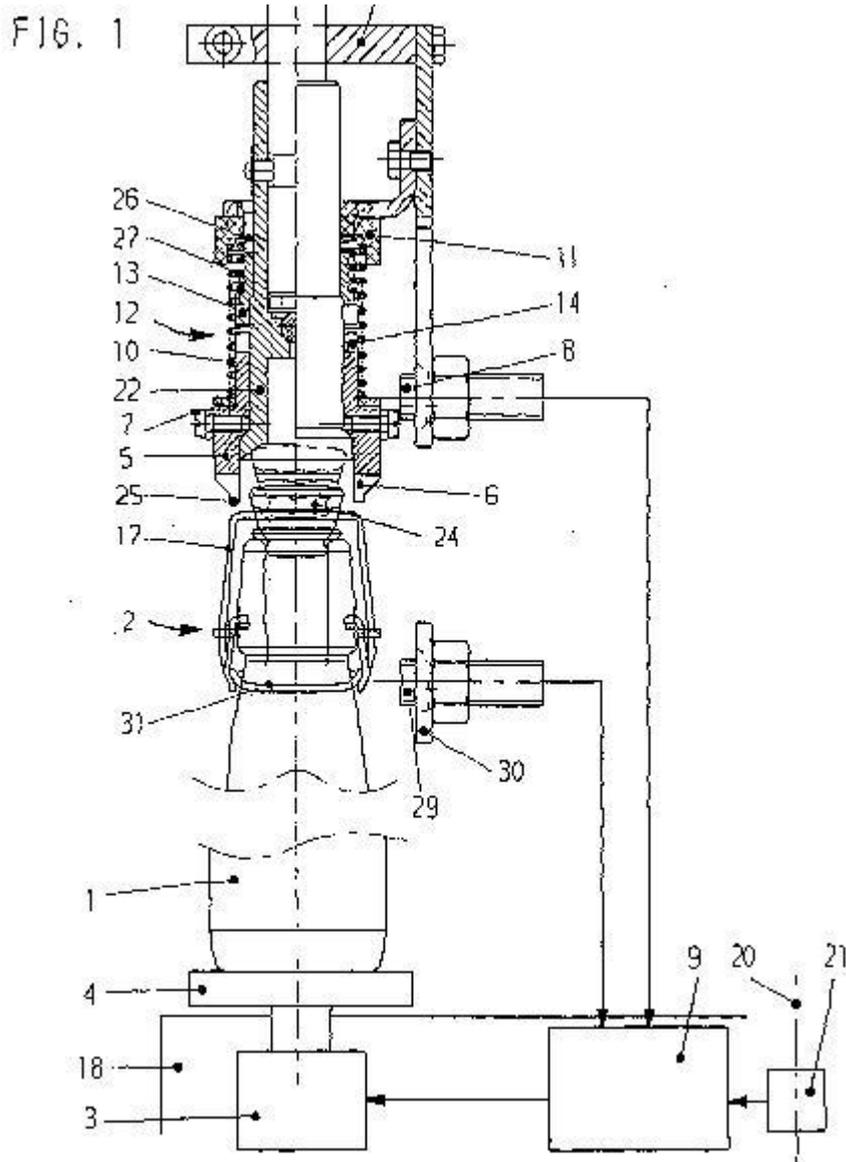
B65C 9/062

[N: for orienting bottles having swing stoppers, i.e. by means responsive to the position of the swing stoppers]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



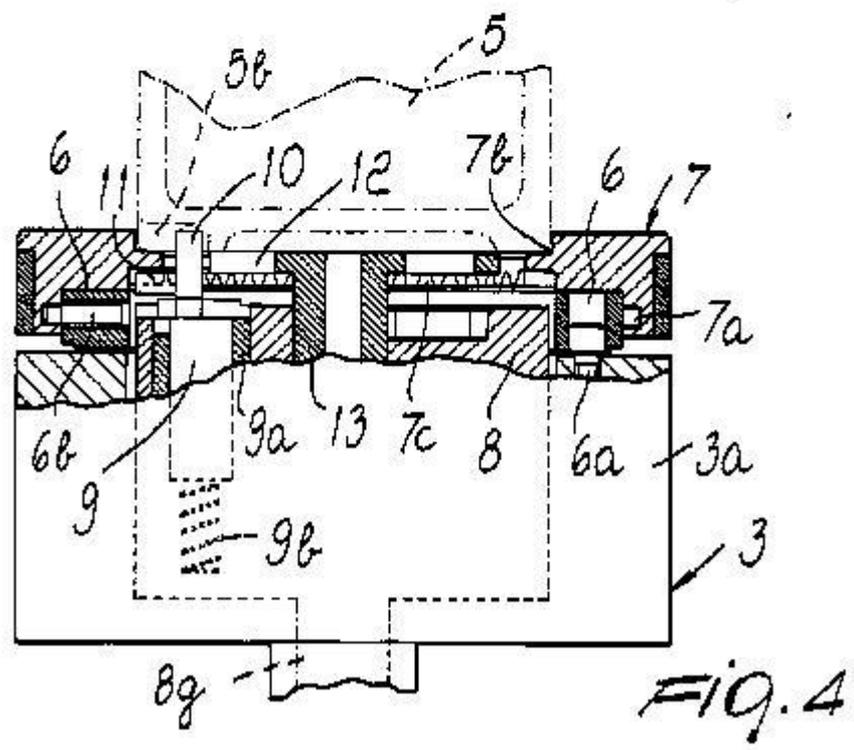
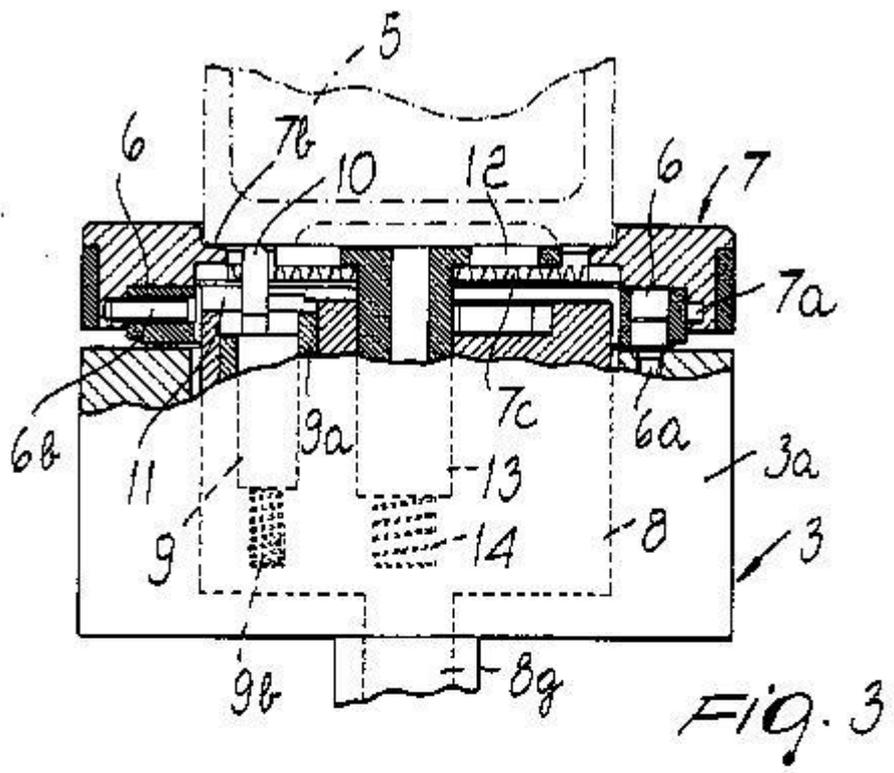
B65C 9/065

[N: for orienting articles having irregularities in their shape, the irregularities being detected by mechanical means]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



B65C 9/067

[N: for orienting articles having irregularities, e.g. holes, spots or markings, e.g. labels or imprints, the irregularities or

markings being detected]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

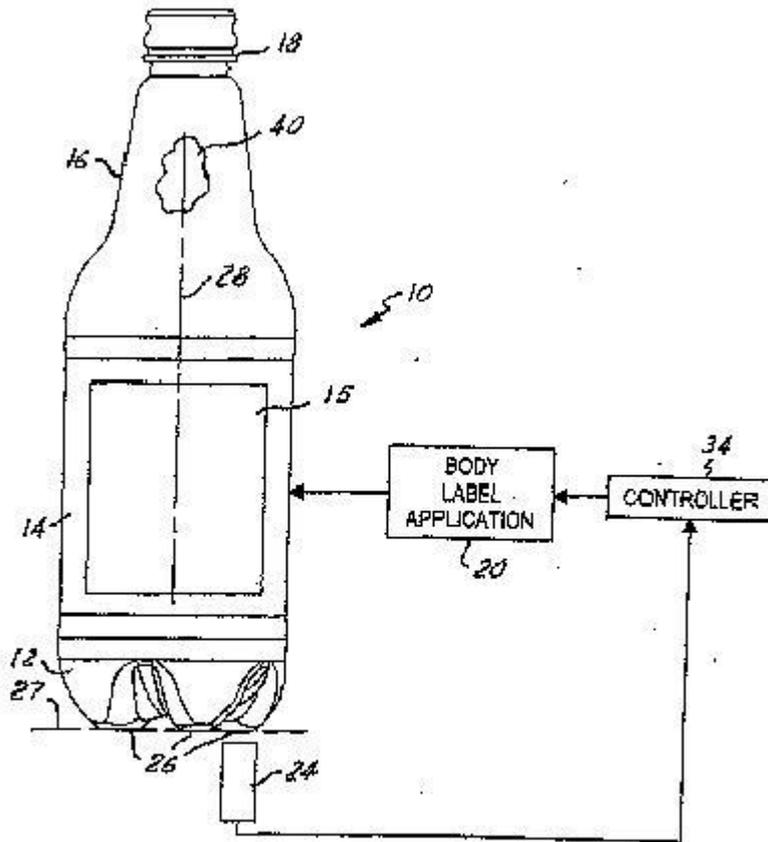


FIG. 3

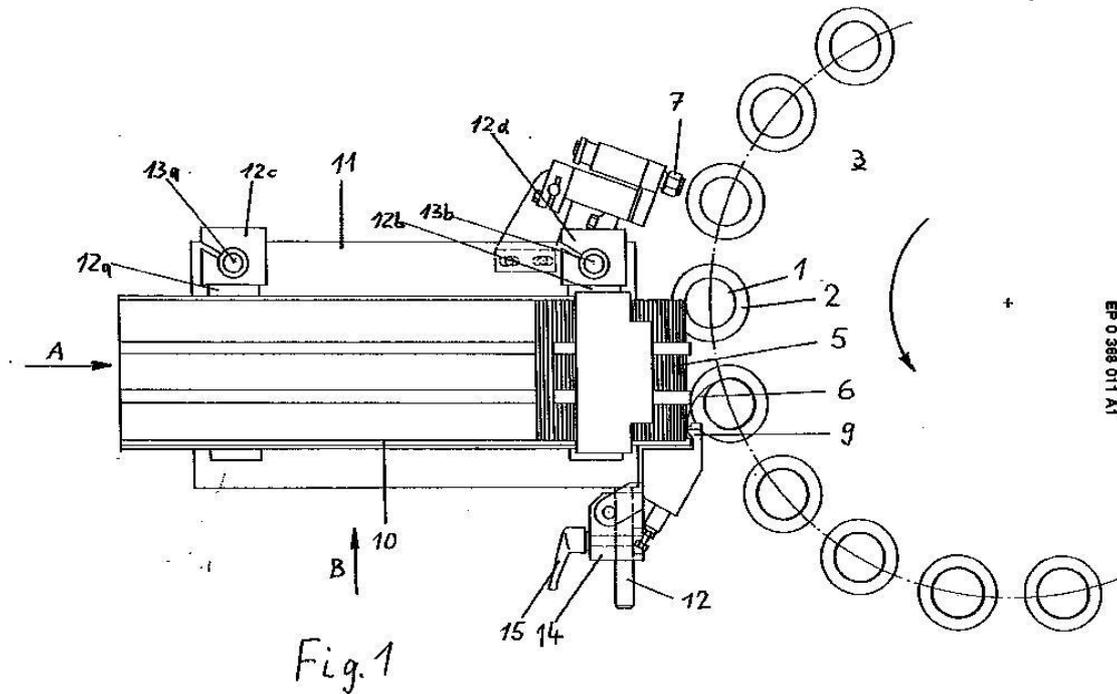
B65C 9/10

Label magazines

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



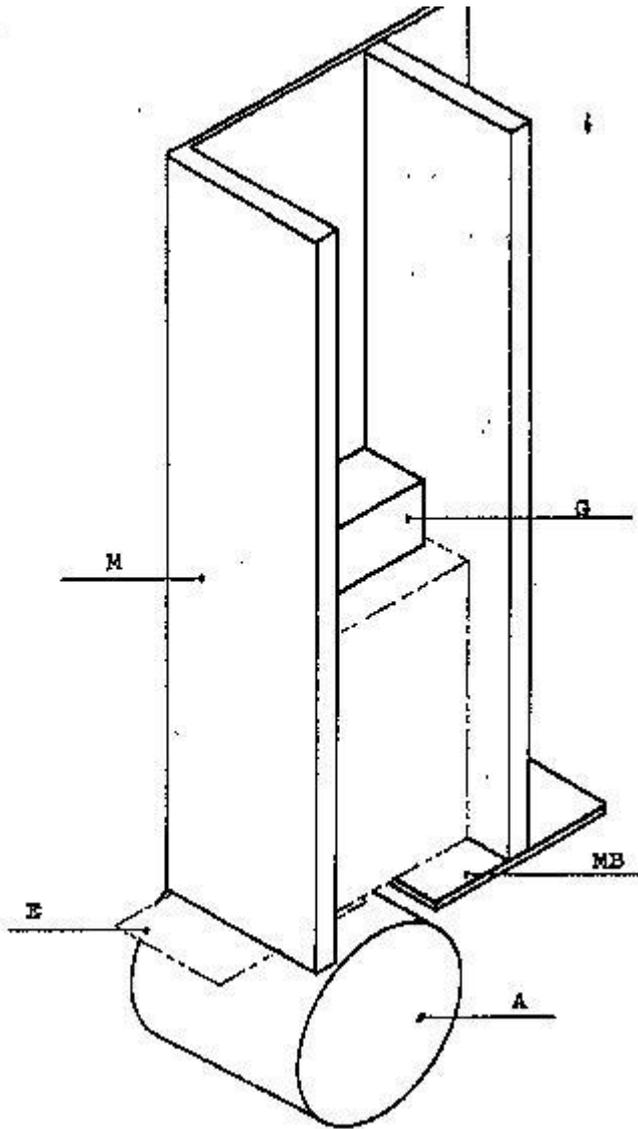
B65C 9/12

Removing separate labels from stacks (for printing B41F; separating articles from piles in general B65H) ([N: multi-step processes for making labels or tags B31D1/02]; for printing B41F)

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



B65C 9/18

Label feeding from strips, e.g. from rolls

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

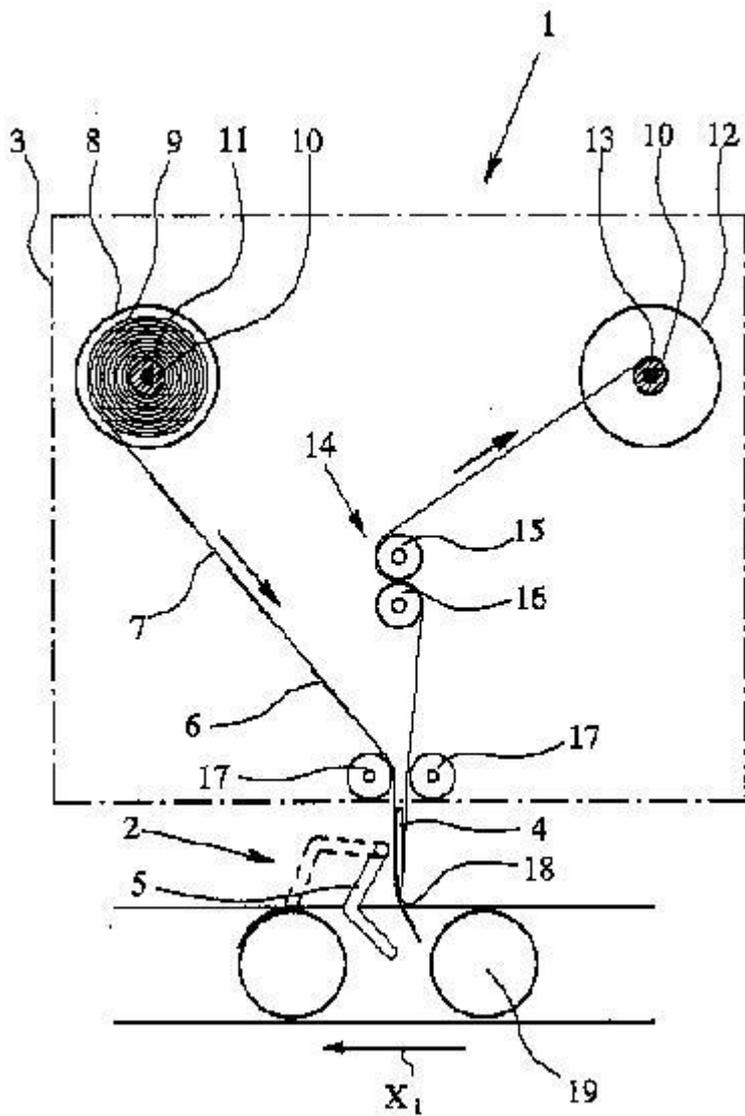


Fig. 1

B65C 9/20

Gluing the labels or articles

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

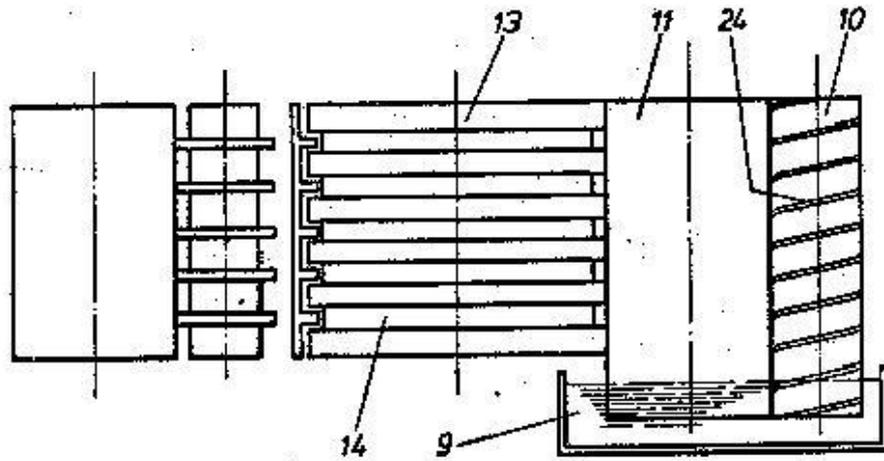


Fig.1

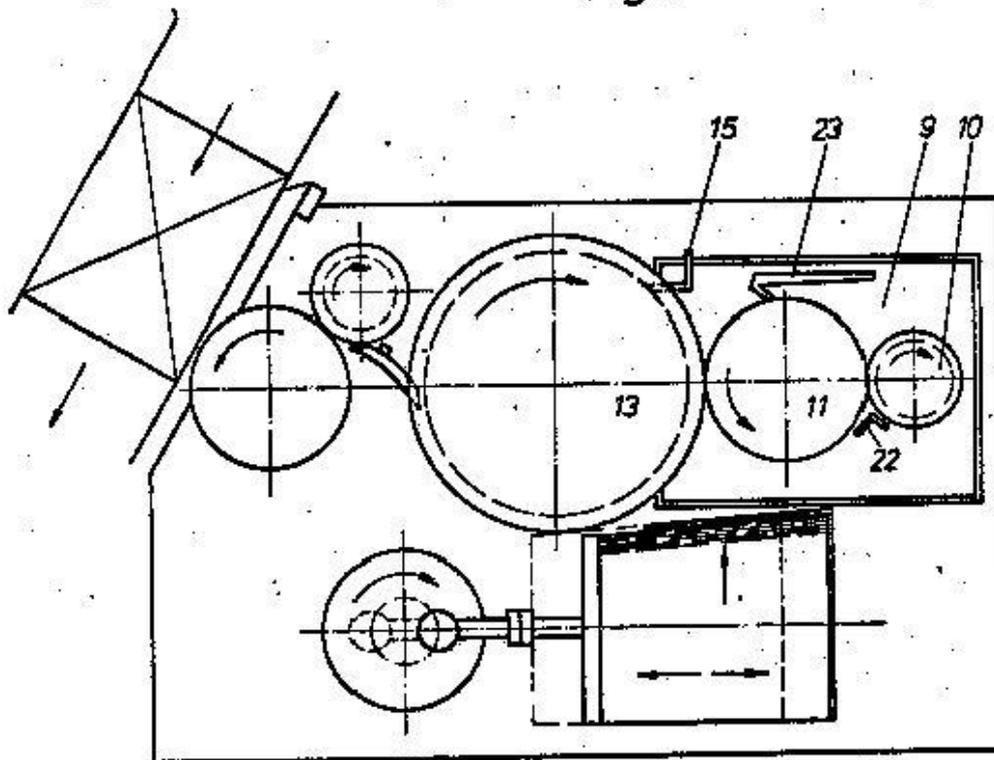


Fig.2

B65C 9/26

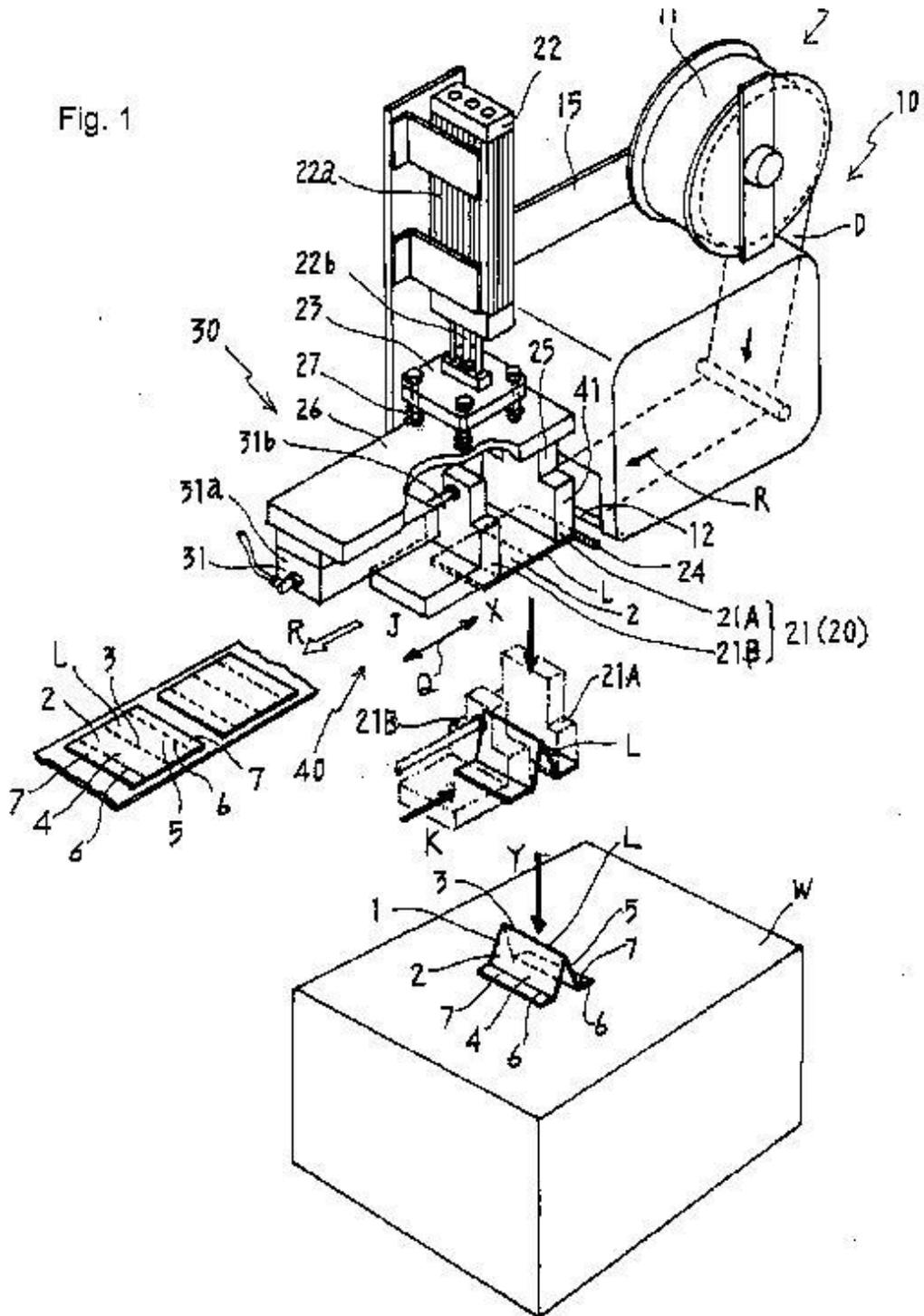
Devices for applying labels

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

Fig. 1



B65C 9/262

[N: manually operable]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

FIG. 7

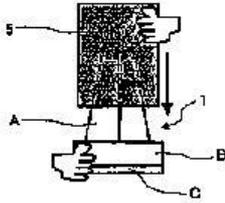


FIG. 8

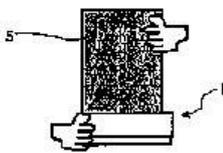
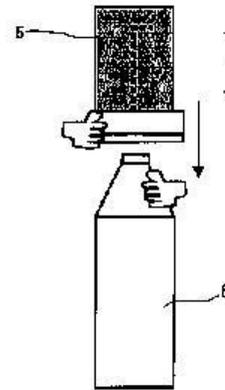


FIG. 9



B65C 9/28

Air-blast devices

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

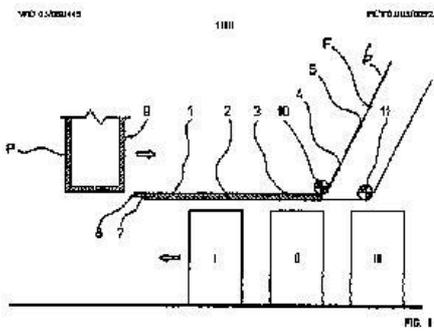


FIG. 1

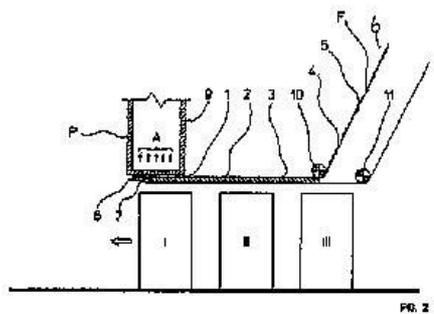


FIG. 2

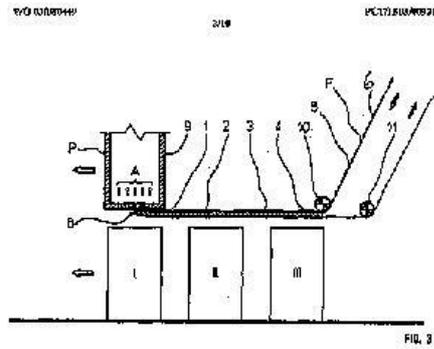


FIG. 3

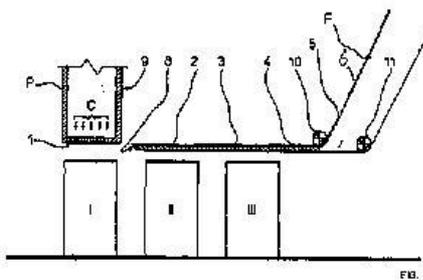


FIG. 4

B65C 9/30

Rollers

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

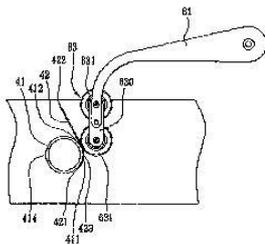


FIG. 7a

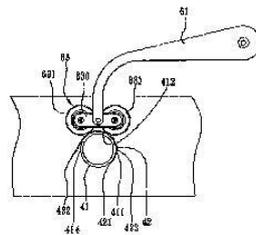


FIG. 7b

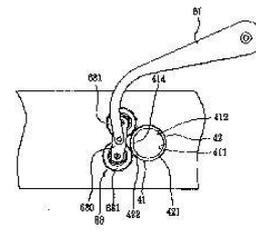


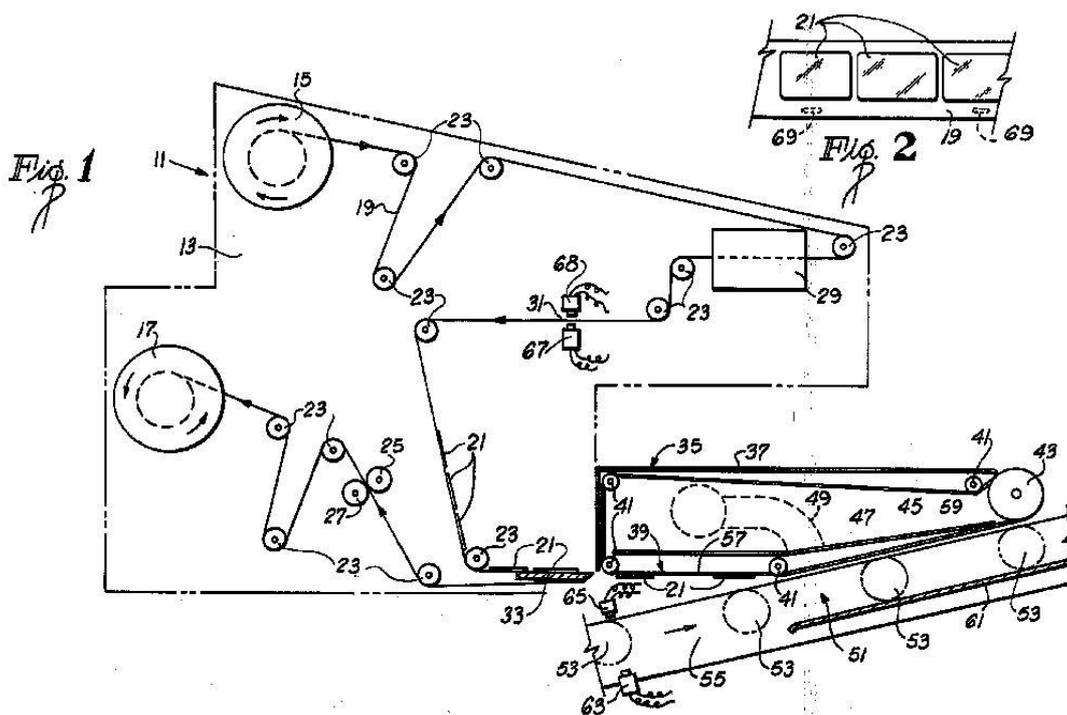
FIG. 7c

B65C 9/34

Flexible bands

Definition statement

This subclass/group covers:



Definition statement

This subclass/group covers:

Modified for the application of labels to articles.

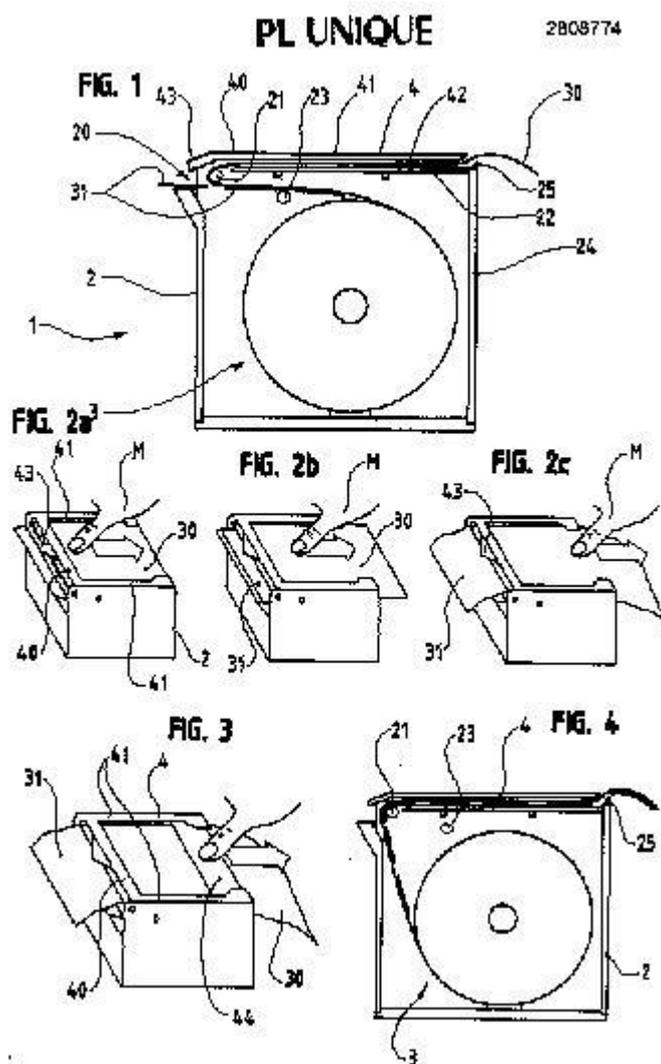
Using electrical or electro-mechanical means.

Using pneumatic means.

Having printing equipment.

Having means for moistening the labels.

Having means for heating thermo-activatable labels.



B65C 11/002

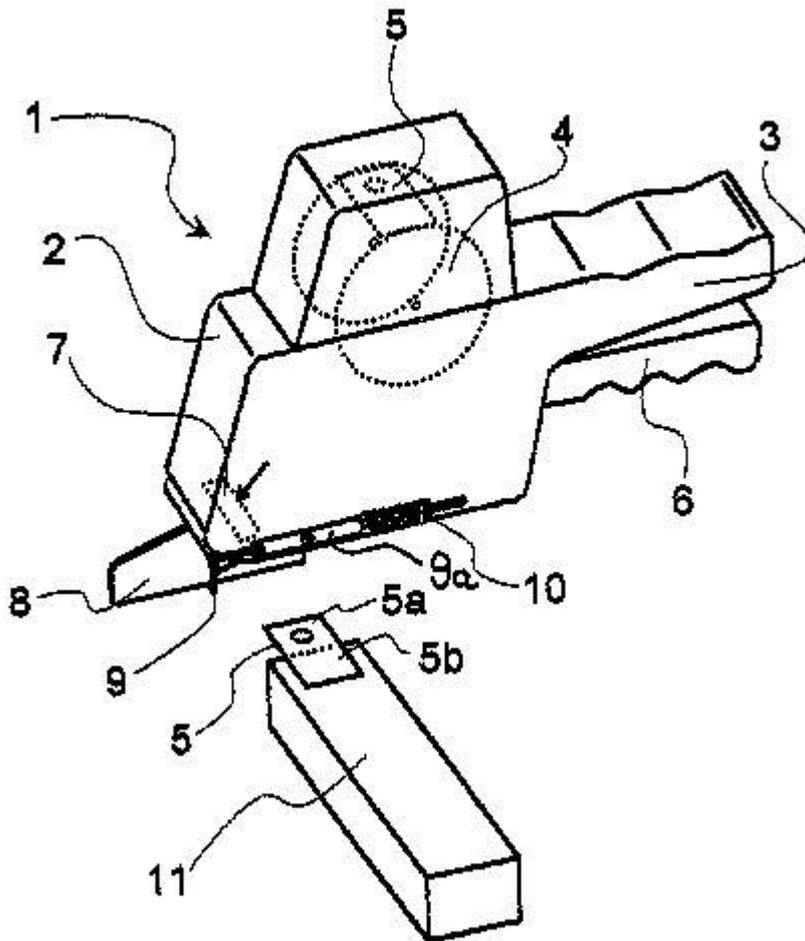
[N: modified for the application of labels to articles]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

FIG. 1



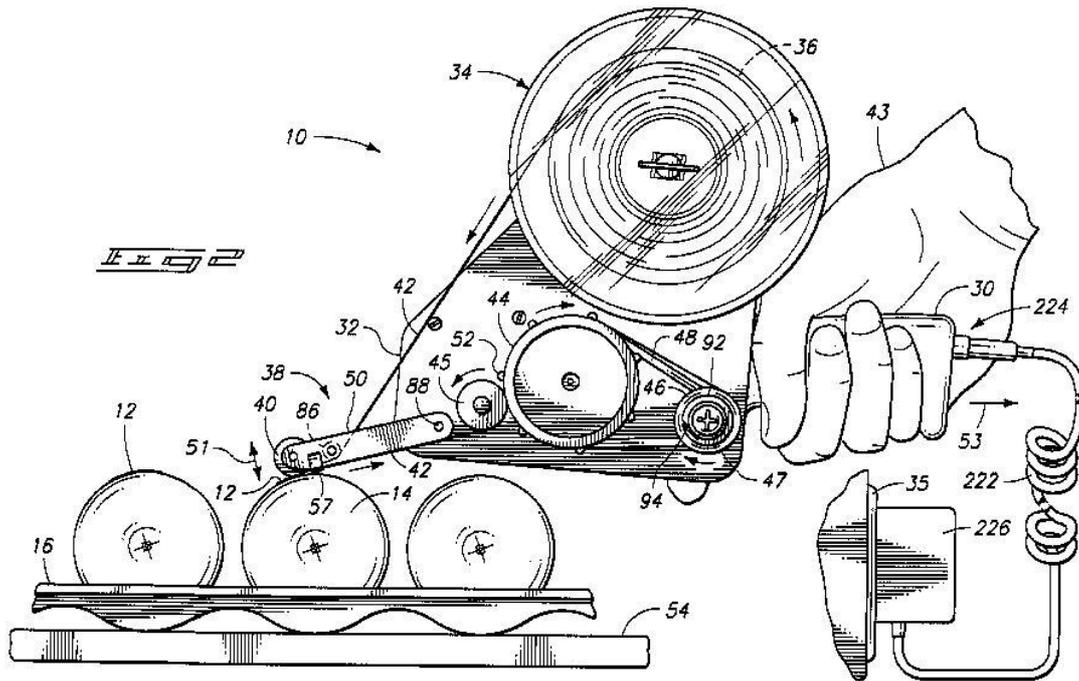
B65C 11/006

**[N: using electrical or electro-mechanical means
(B65C11/0289 and B65C11/066 take precedence)]**

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



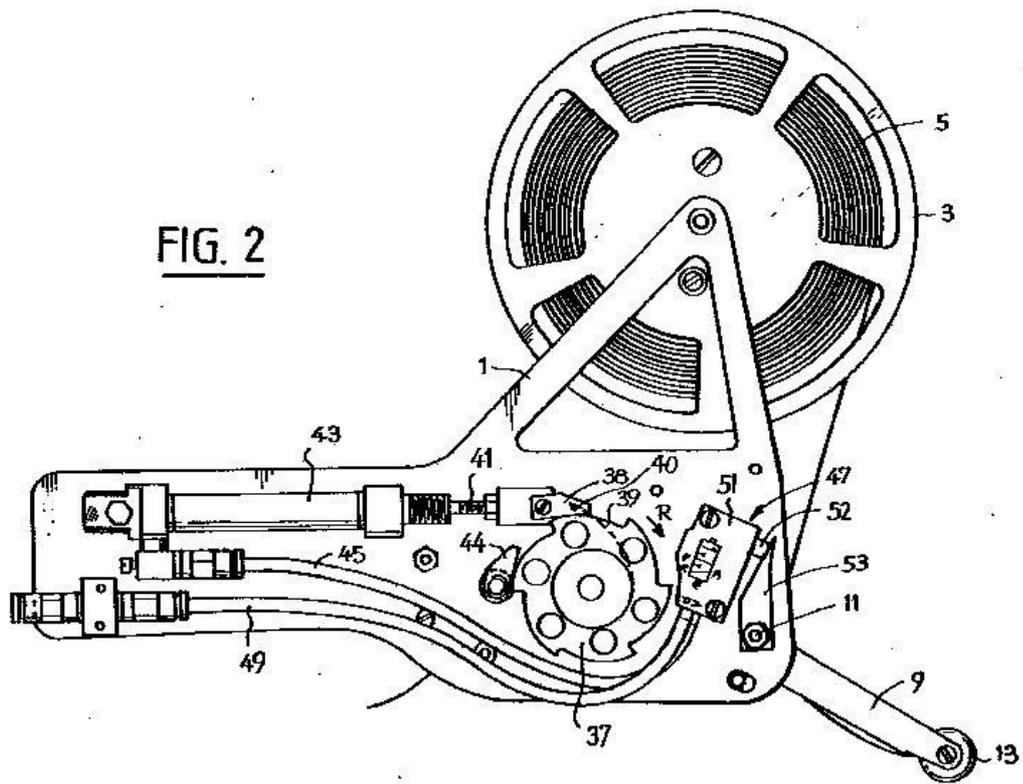
B65C 11/008

[N: using pneumatic means (B65C11/0294 and B65C11/068 take precedence)]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



B65C 11/02

having printing equipment

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

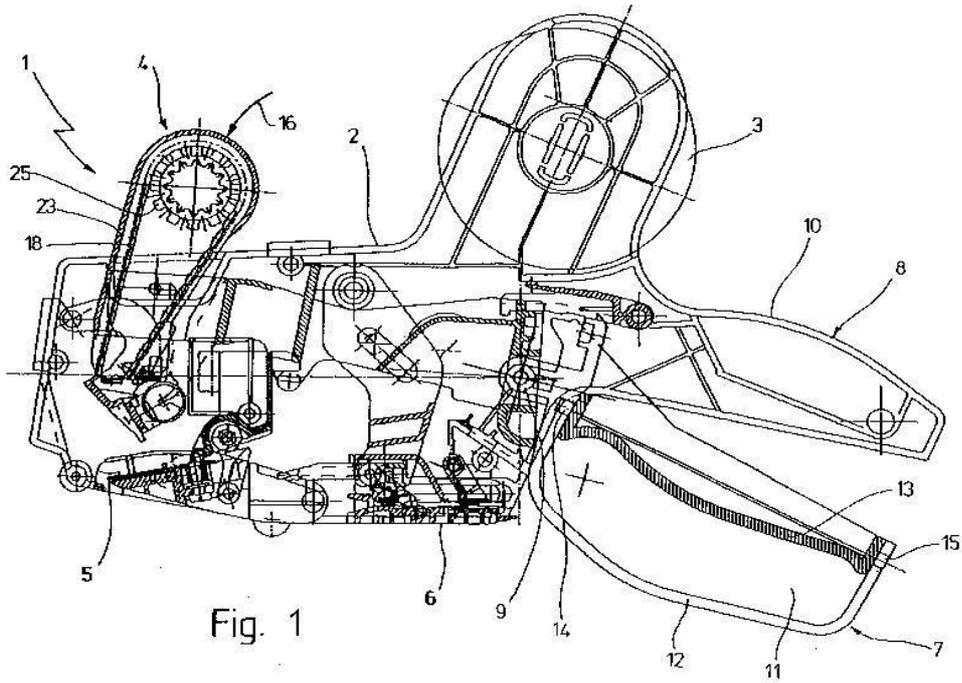


Fig. 1

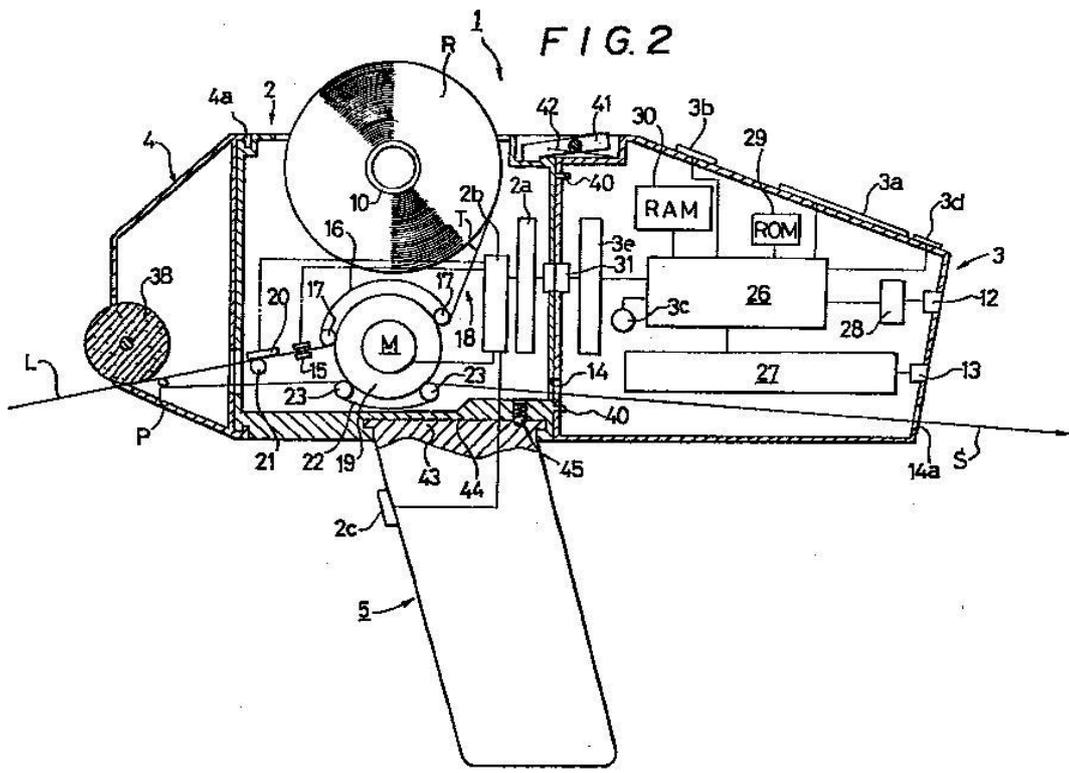
B65C 11/0226

[N: electrically driven]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



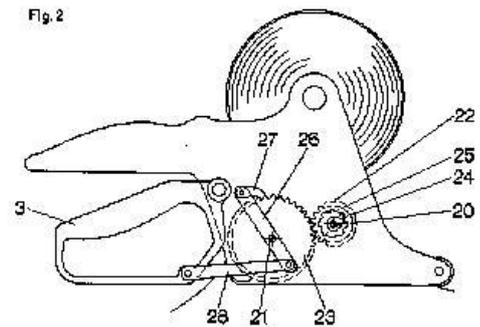
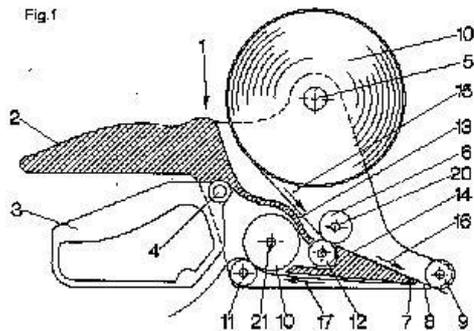
B65C 11/0231

[N: by actuating a handle manually]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



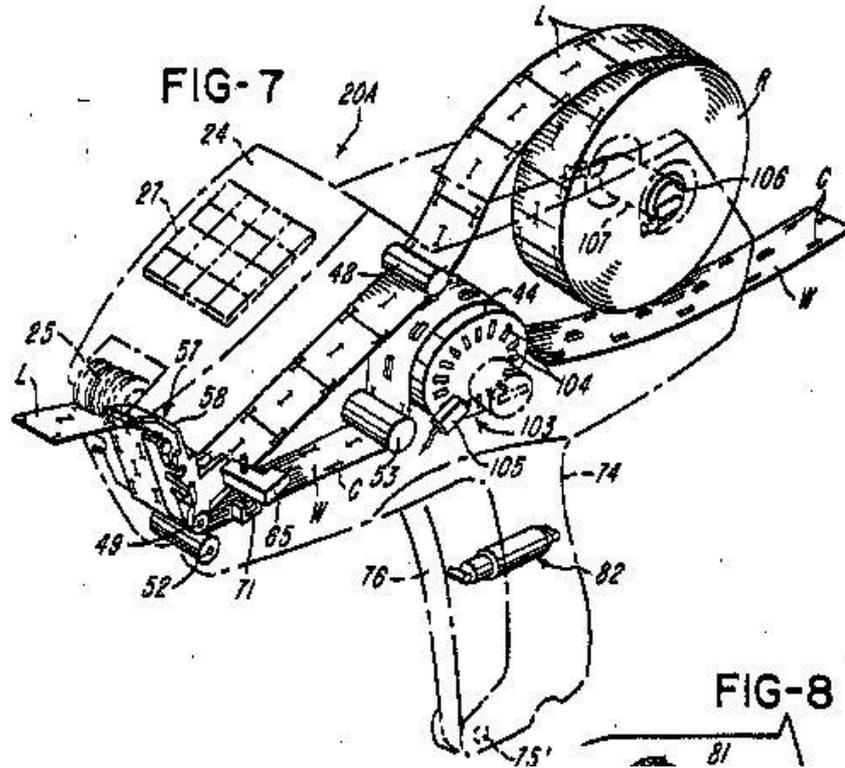
B65C 11/0242

[N: electrically driven]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



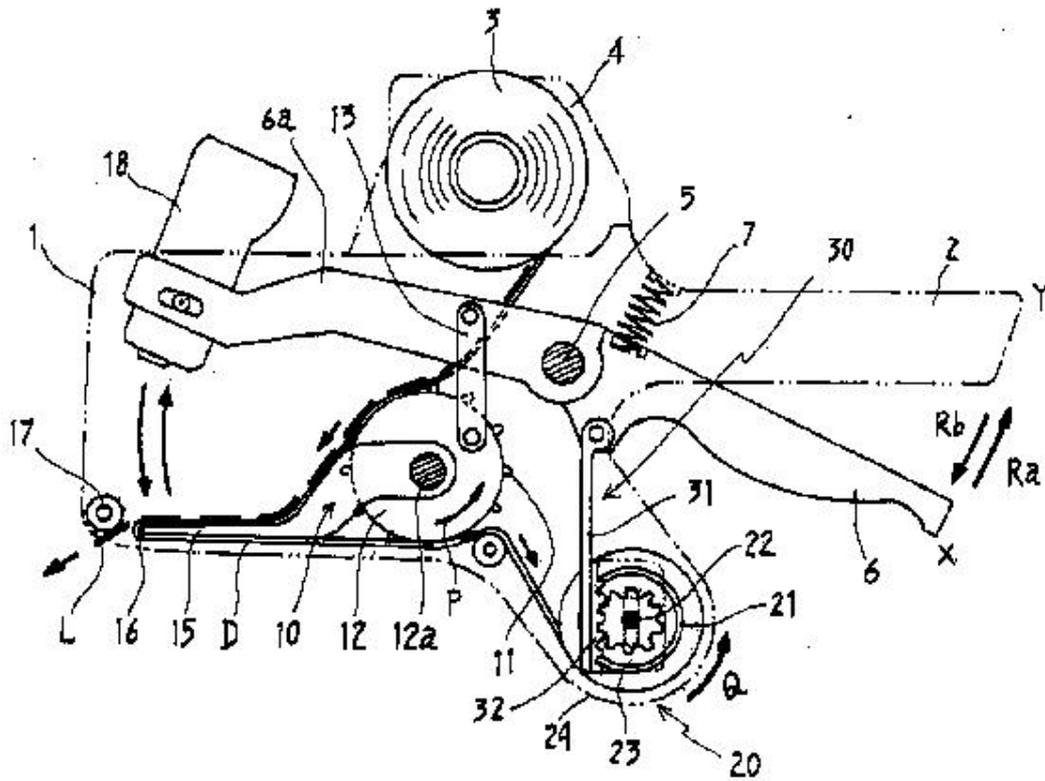
B65C 11/0247

[N: by actuating a handle manually]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



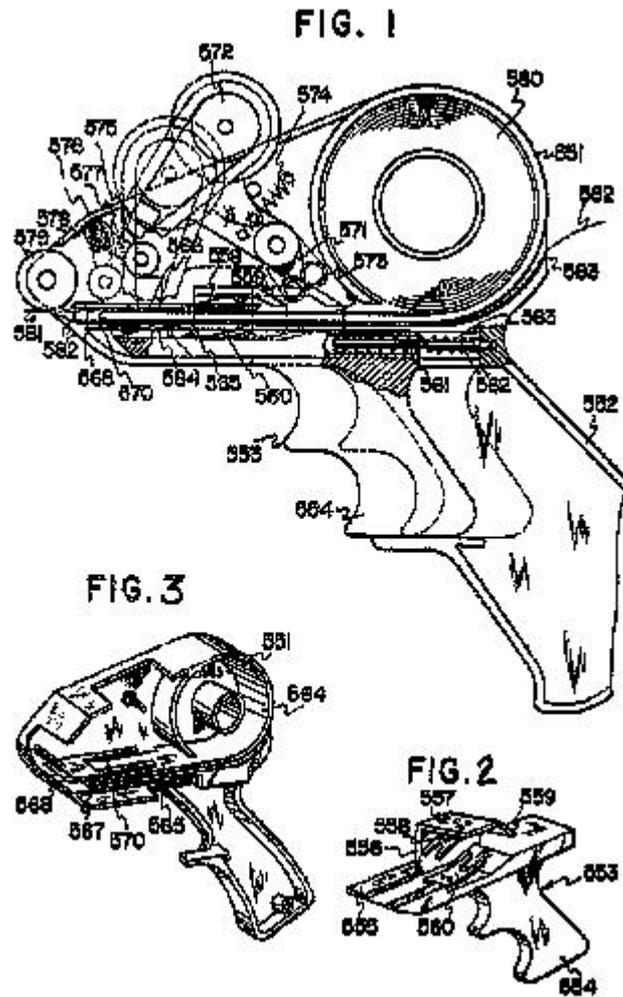
B65C 11/0263

[N: by actuating a handle manually]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



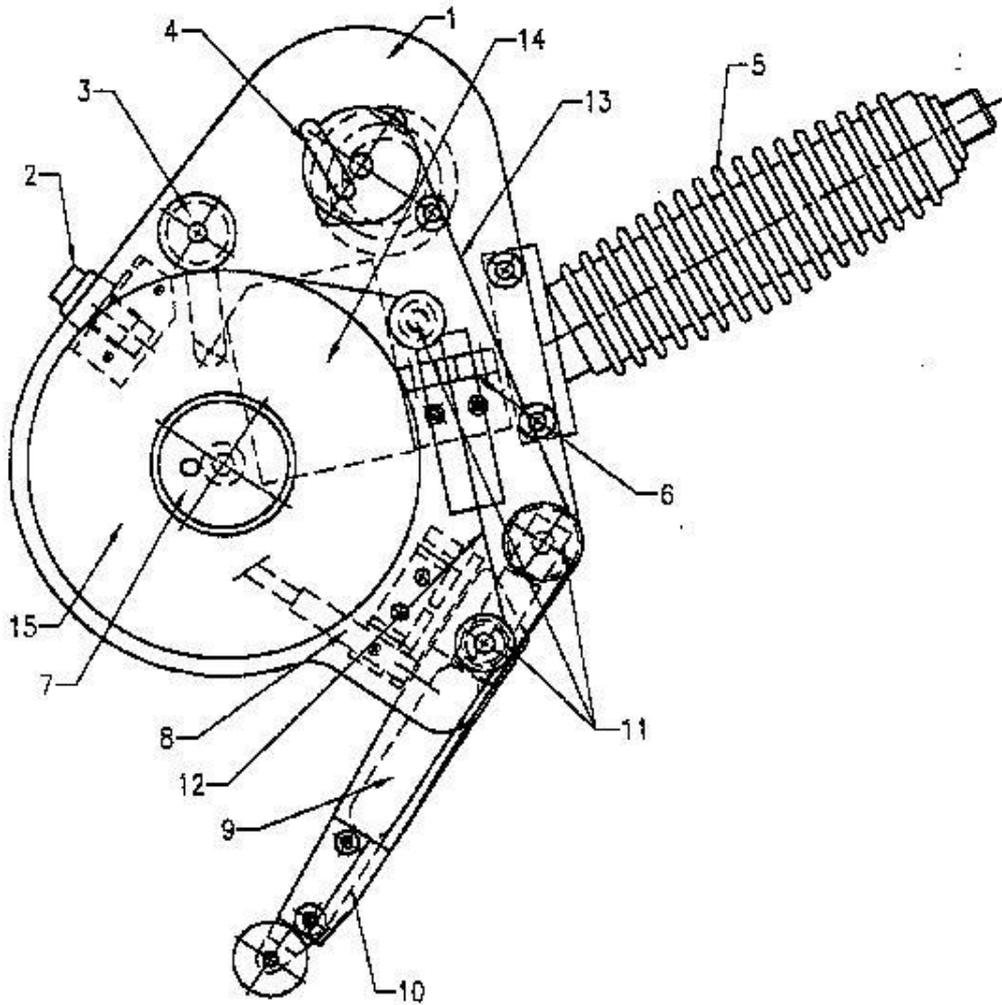
B65C 11/0273

[N: electrically driven]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



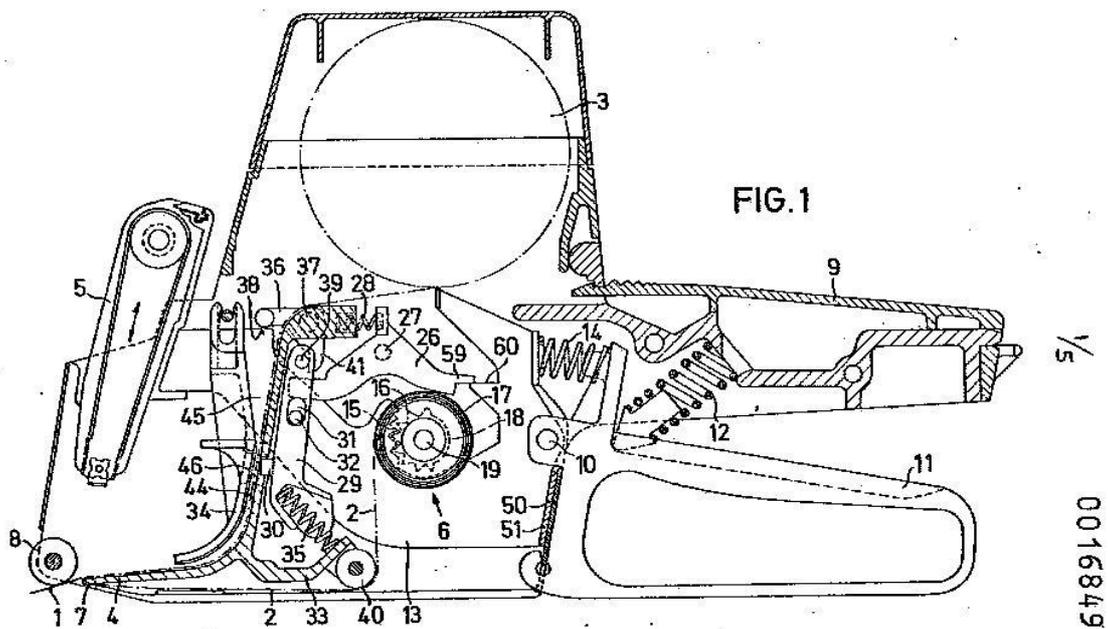
B65C 11/0278

[N: by actuating a handle manually]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



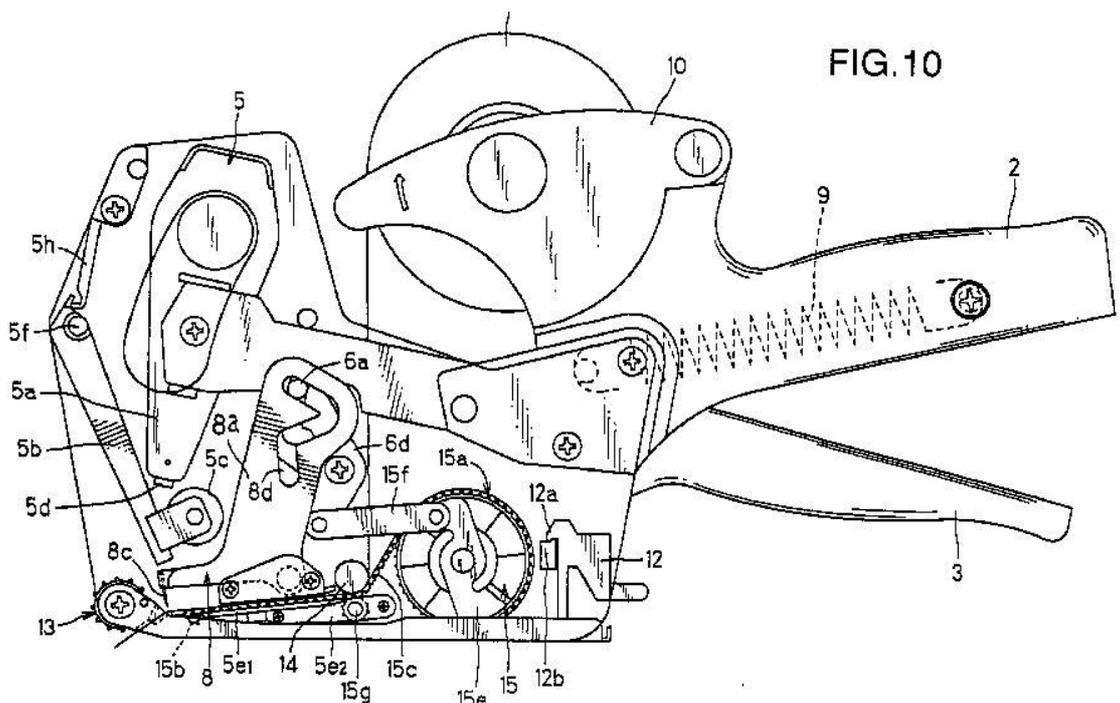
B65C 11/0284

[N: Linerless labels]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



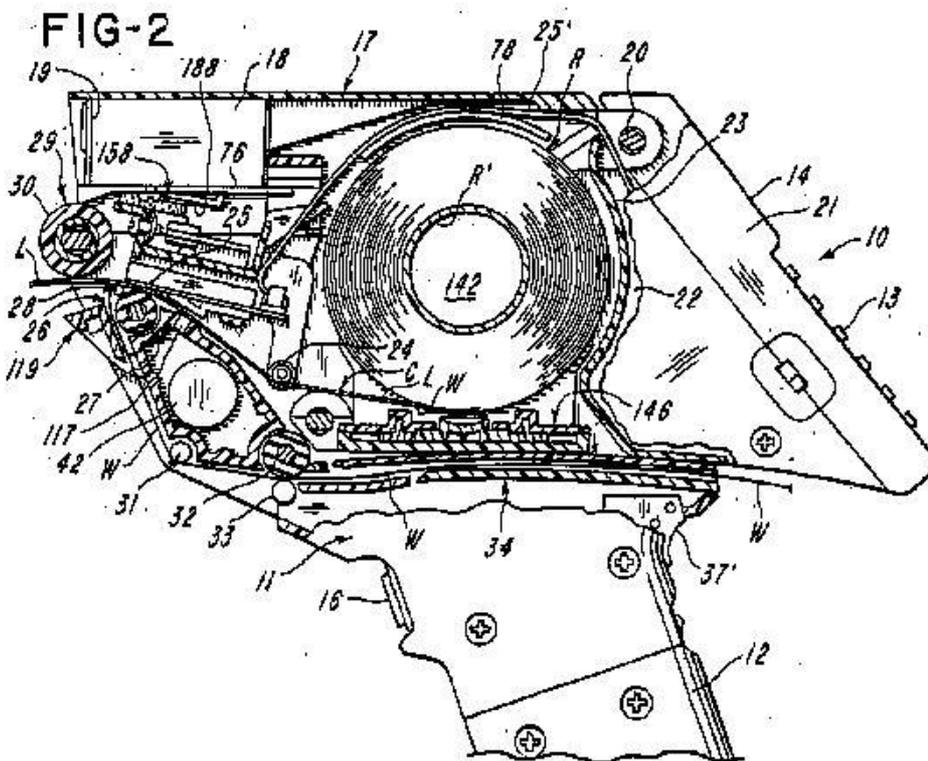
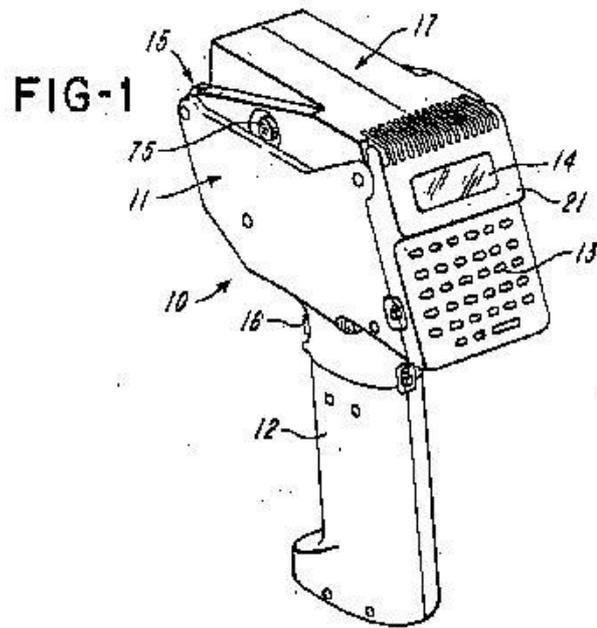
B65C 11/0289

**[N: using electrical or electro-mechanical means
(B65C11/0205 takes precedence)]**

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



B65C 11/0294

[N: using pneumatic means]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

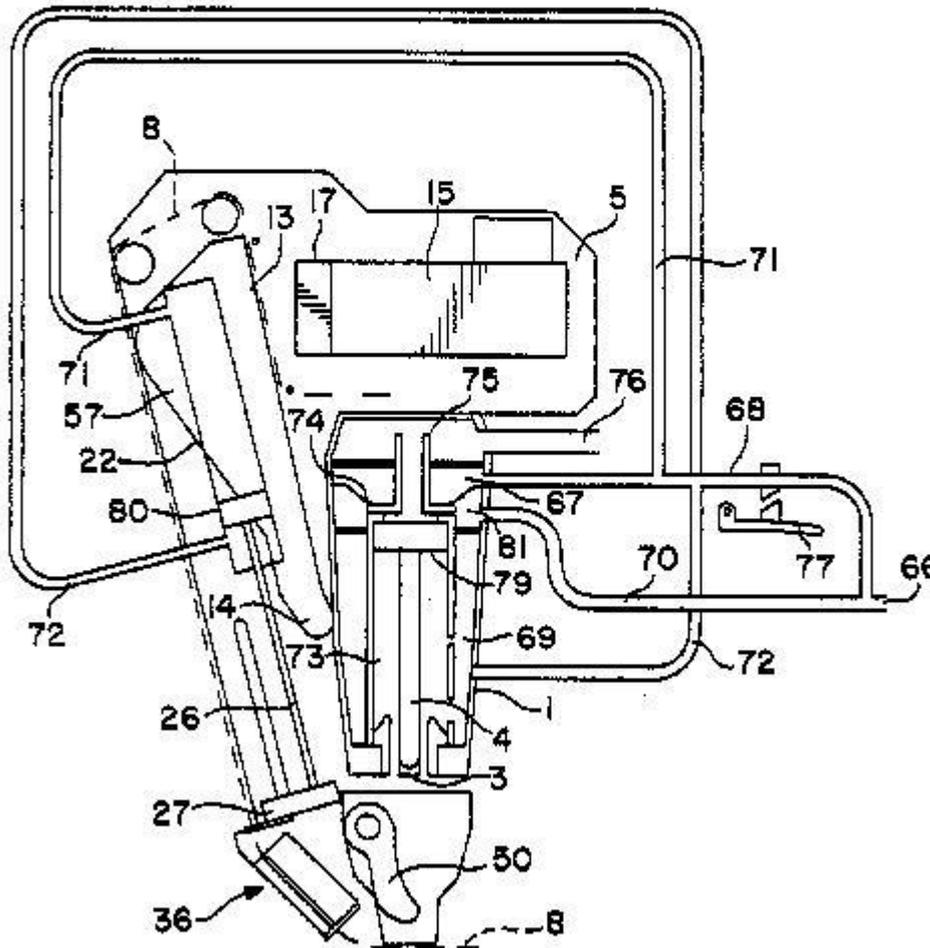


FIG. 6

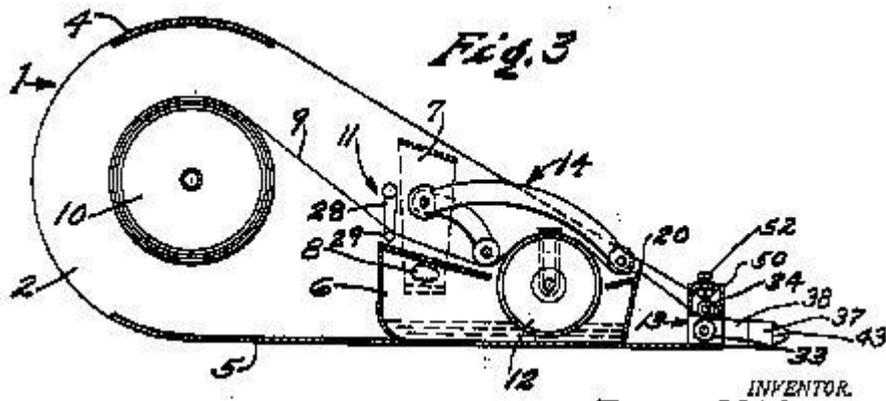
B65C 11/04

having means for moistening the labels

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.



B65C 11/06

Manually-controlled or manually-operable label dispensers, e.g. modified for the application of labels to articles (special furniture, fittings, or accessories for shops, storehouses, bars, or the like A47F; for paper napkins, for toilet paper A47K; for playing cards A63F; movable-strip writing or reading apparatus B42D19/00; adhesive tape dispensers B65H35/07; dispensers for tickets G07B; coin-operated dispensers for stamps G07F) [N: (dispensing devices for pamphlets from vehicles G09F21/22)]

Definition statement

This subclass/group covers:

Illustrative example of subject matter classified in this group.

