

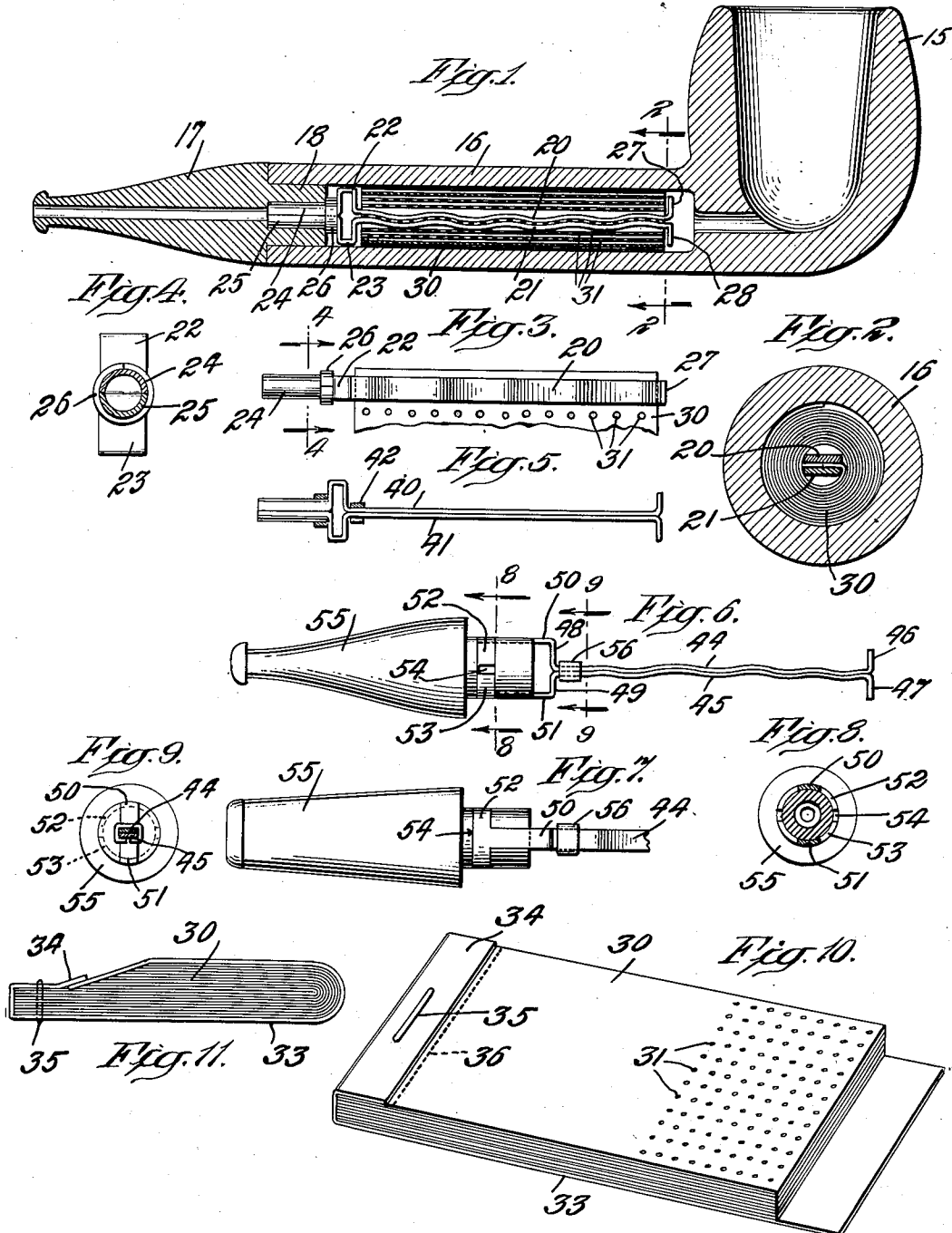
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SMOKER'S ARTICLE

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SMOKER'S ARTICLE

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This invention relates to smoker's articles.

It is an object of the invention to provide a pipe, cigar holder, cigarette holder or the like such that a clean, dry smoke is made possible.

With this and other objects in view, the invention consists in the features, combinations, details of construction and arrangements of parts which will first be described in connection with the accompanying drawing and then more particularly pointed out.

In the drawing:

Figure 1 is a longitudinal sectional view of a smoker's pipe constructed in accordance with the invention;

Figure 2 is a sectional view (enlarged) taken on the line 2—2 of Figure 1;

Figure 3 is a detail view in side elevation of one of the parts removed;

Figure 4 is a sectional view (enlarged) taken on the line 4—4 of Figure 3;

Figure 5 is a view similar to Figure 3 showing a modification;

Figure 6 is a view in elevation of a modification;

Figure 7 is a plan view of the same;

Figures 8 and 9 are sectional views taken, respectively, on the lines 8—8, 9—9, of Figure 6; Figure 10 is a perspective view of a package of papers for use in the pipe; and

Figure 11 is a side view of the same.

Referring to the drawing, and more particularly Figures 1 to 4, a smoker's pipe is illustrated, comprising a bowl 15, a tubular stem 16 and a bit on mouth piece 17. The bit has an end portion 18 of reduced diameter which fits in the pipe stem in the usual manner.

The invention in its entirety includes a holder for a roll of paper carried by the bit or mouth piece. Although capable of various constructions, in the embodiment illustrated in Figures 1-4 as an example, the holder comprises a spring clip unit for grasping the edge of a piece of paper. This clip unit comprises two parallel pieces 20, 21 of flat wire stock crimped as appears in Figures 1 and 3. At one end, the wires have oppositely disposed reverse bends 22, 23 and terminate in arcuate portions 24, 25. The two parts of the holder are held together by a ring 26 forced over arcuate ends 24, 25. So assembled, the latter parts form a short tube which is inserted, with a friction fit, in the bore of the pipe bit 17. At the forward end, the two wires 20, 21 are turned outwardly to provide oppositely extending ends 27, 28.

The two wires 20, 21 constitute a spring clip,

their inherent resiliency tending to hold them closed, i. e. in parallel relation and, if nothing intervenes, in substantial contact. They may, however, be opened manually in the manner of a pair of jaws. When it is desired to assemble a roll of paper with the holder, for the purposes hereinafter referred to, the clip elements are forced apart and open in the manner of a pair of jaws. This permits the edge of a small sheet of paper 30 to be inserted between them. Upon release of the opened clip members they spring together and grip the edge of the paper (Figure 3).

Then the paper is rolled up around the clip members into a fairly tight spiral. The end of the holder is then or previously inserted in the mouth piece 17 and the assembly is inserted into the tubular pipe stem 16, the user holding the paper spiral against unwinding during such insertion. Upon such assembly and upon release of the paper, the latter unrolls or unwinds into some such position as shown in Figures 1 and 2, loosely filling the stem bore radially and contacting to a greater or less extent the wall of the bore.

The paper is preferably absorbent in nature and may be medicated if desired. As shown, the paper sheet is provided with a series of perforations 31 to facilitate penetration of the smoke.

The width of the paper sheet is such as to fit between clip ends 27, 28 and reverse bends 22, 23, whereby these elements serve as stops or shoulders and help to prevent relative axial displacement of the paper roll.

When the pipe is being smoked, the paper acts as a filter and by its absorbent nature takes up undesirable moisture, thus providing a cool, dry smoke.

When the bit and holder assembly is removed from the pipe stem, the paper wipes against the wall of the stem bore and thus effects a stem-cleaning action.

At any time desired, the soiled paper may be removed and a clean piece substituted. In Figures 10 and 11 is illustrated a convenient package of papers which may readily be carried in the user's pocket. This package comprises a backing 33, one end of which is folded up over the end of a pack of paper sheets to form a base 34. A staple 35 is passed through the base, the sheets and the main backing. The sheets are perforated or scored adjacent the base 34, as at 36, whereby a sheet may be readily torn off as required. The other end of the backing 33 extends beyond the pack of sheets, as appears in Figure 10. When

the package is folded upon itself, as in Figure 11, this extension is tucked under the base 34 to hold the package closed.

Figure 5 illustrates a modification in which the clip elements 40, 41 are straight instead of crimped. To prevent undue separation of the clip elements, they are grasped by a clip 42.

Figures 6-8 illustrate a further modification. The clip elements 44, 45 are crimped as in the construction of Figures 1-4 and have outwardly turned ends 46, 47 like ends 27, 28. At the other end, the clip elements have oppositely disposed bends, forming shoulders 48, 49, and parallel portions 50, 51. The latter terminate in half rings 52, 53 which snap into an annular groove 54 formed in the end of mouth piece 55. The clip elements are held against separation, except for the jaw-like opening to receive the sheet of paper, by a slide 56. Upon a slight displacement of this slide, the anchoring ends of the clip unit can be dislodged from the mouth piece 55 if desired.

While the invention has been illustrated in connection with a pipe, it is to be understood that it is adapted for use in cigar or cigarette holders as well. Any of the pipe bits shown may be considered as the mouth pieces of tubular cigar or cigarette holders, the latter receiving the holder and its paper in the manner of the tubular pipe stem.

What is claimed is:

1. A holder for a smoker's article comprising a pair of spring clip elements for grasping the edge of a sheet of paper and about which said paper may be rolled up, said clip elements having oppositely disposed shoulders for confining the paper roll axially.

2. A device for use in smoker's articles comprising a connection portion for insertion in a tubular element of such article, and two clip-like elements for grasping the edge of a piece of paper and about which said paper may be rolled, said device having a shoulder between said connection portion and said clip-like elements.

3. A device for use in smoker's articles comprising a connection portion for insertion in a tubular element of such article, and two clip-like elements for grasping the edge of a piece of paper and about which said paper may be rolled, said device having a shoulder between said connection portion and said clip-like elements, and one of said clip-like elements having a shoulder at its outer end.

4. A device for use in smoker's articles comprising a connection portion capacitated to have a friction fit in a tubular element of such article, and two clip-like elements for grasping the edge of a piece of paper and about which said paper may be rolled, said device having a shoulder between said connection portion and said clip-like elements.

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