May 26, 1942. W. PITT 2,284,018

PERMANENT BINDING POST

Filed March 8, 1941

Fig. 1

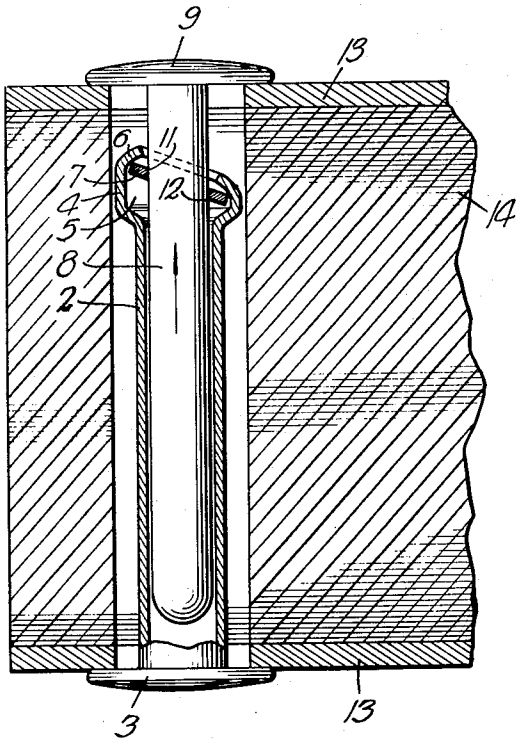


Fig. 2

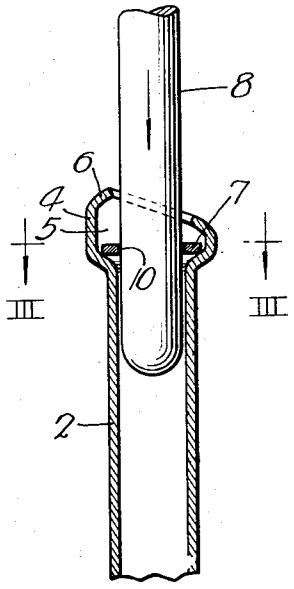
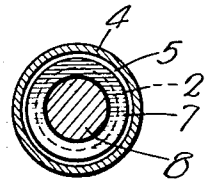


Fig. 3



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2,284,018

PERMANENT BINDING POST

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2 Claims. (Cl. 85—5)

This invention relates to a permanent binding post for permanently binding together a plurality of loose sheets.

It is an object of this invention to provide simple and efficient means for permanently binding together a plurality of loose sheets. Other objects of this invention will become apparent upon reading the following description, taken in conjunction with the accompanying drawing, in which:

Figure 1 is a fragmentary view, partly in elevation and partly in cross section, showing one permanent binding post with a plurality of loose sheets impaled thereon;

Figure 2 is a fragmentary longitudinal sectional view illustrating the method of assembling the binding post; and

Figure 3 is a cross sectional view taken along the line III—III of Figure 2.

In the drawing, the reference numeral 2 indicates a tubular post section provided with a head 3. The free end of the tubular section is bellied out slightly, as indicated at 4, to provide an annular groove or recess 5 which is longer on one side than on the other. The ends of the tubular post section are bent inwardly to provide a flange 6 for the groove or recess 5. An annular washer 7 is mounted in the recess 5. The outer diameter of the washer 7 is large enough so that it will be positively retained in the recess.

A solid post section 8, provided with a head 9, is adapted to telescope in the tubular post section 2. The aperture 10 in the washer 7 is just large enough to allow the post section 8 to move freely there-through when the washer 7 is positioned at right angles to the post section 8. This position is indicated in Figure 2 of the drawing. When the washer 7 is canted at an angle, as indicated in Figure 1, the corners 11 and 12 bind against the post section 8 and prevent movement of said post section in the direction indicated by the arrow in Figure 1.

A pair of cover members 13 and a plurality of loose sheets 14 are impaled on the post section 2 and the post section 8 is then telescoped into the post section 2 as far as it can be forced. The washer 7 stays in the horizontal position indicated in Figure 2 during the compression and offers no resistance to the inward movement of the post 8. However, after the post 8 has been driven in as far as possible the swelling action of the paper sheets exerts an expansive force against the heads 3 and 9 and causes the washer 7 to assume the position shown in Figure 1. In this position the post sections are locked against further expansion and it is impossible to release the sheets bound there-between. Although I have disclosed covers separate from the posts 2 and 8 it will be obvious that these posts may be permanently secured to the cover members in any desirable manner.

Although I have described one embodiment of my invention in detail, it will be understood that the description thereof is illustrative rather than restrictive, as many details may be modified or changed without departing from the spirit or scope of the invention. Accordingly, I do not desire to be restricted to the exact details of construction described except as limited by the appended claims.

I claim:

1. In a permanent binding post, a tubular post section having an annular recess, said annular recess varying in length progressively around the circumference of said tubular post section, and a locking washer confined in said recess.

2. In a permanent binding post, a tubular post section having an annular recess adjacent its free end, the length of said recess increasing uniformly on opposite sides of the portion of minimum length to a portion of maximum length diametrically opposite said portion of minimum length, and a locking washer confined in said recess.

WILLIAM PITT.