No. 857,377. PATENTED JUNE 18, 1907.

F. R. BAKER.

TEMPORARY BINDER.

APPLICATION FILED MAR. 30, 1907.

Fig: 1.

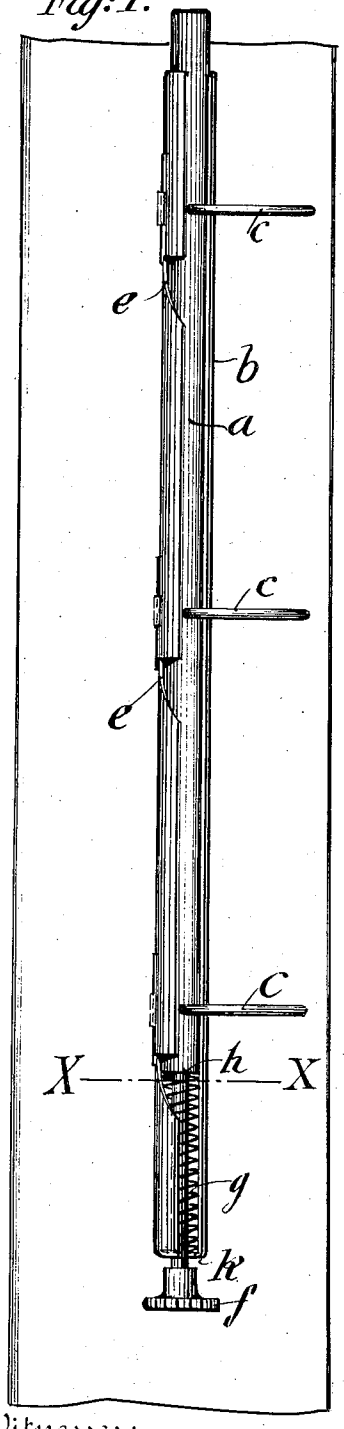


Fig: 3.

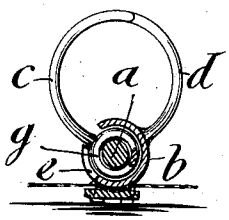


Fig: 4.

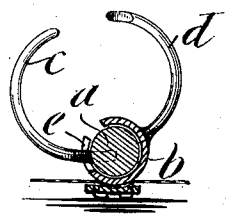
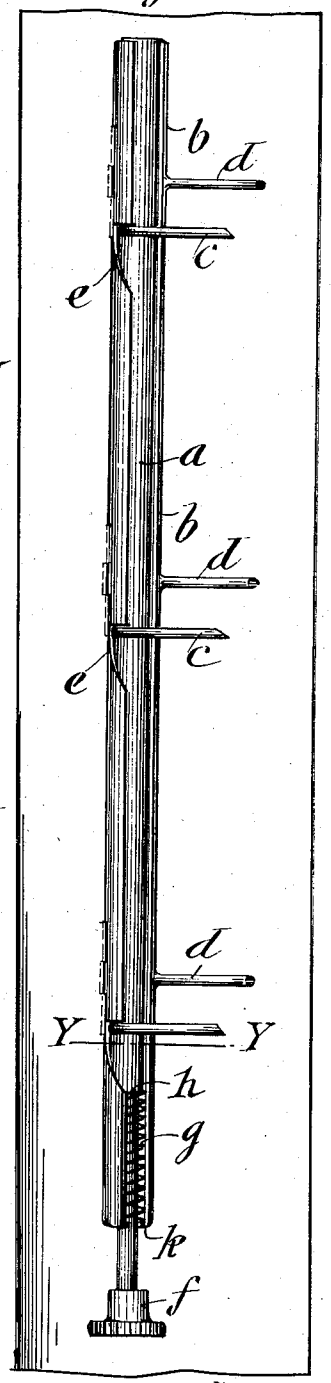


Fig: 2.



Witnesses:
Dayd Heine
H. J. Suhrbier.

Inventor
Francis R. Baker.
By his Attorneys
Fowler & Greene

UNITED STATES PATENT OFFICE.

FRANCIS ROBERT BAKER, OF BIRMINGHAM, ENGLAND, ASSIGNOR TO JOHN WALKER, OF LONDON, ENGLAND

TEMPORARY BINDER.

No. 857,377. Specification of Letters Patent. Patented June 18, 1907.

Application filed March 30, 1907. Serial No. 365,572.

To all whom it may concern:

Be it known that I, FRANCIS ROBERT BAKER, a subject of the King of Great Britain, residing in Birmingham, county of Warwick, England, have invented certain new and useful Improvements in Temporary Binders, of which the following is a specification.

This invention relates to temporary binders, and the object of the invention is to provide improved means whereby the usual mating prongs used in such devices are held together and separated when desired, the device having the advantages of simplicity of construction and great ease of manipulation.

With these ends in view the invention consists in the novel features of construction to be hereinafter described and claimed.

Referring now to the drawings, Figure 1 is a part sectional side view of one form of device made in accordance with this invention, showing the mating prongs in their normal or closed positions; Fig. 2 is a similar view showing the mating prongs in their open positions; Fig. 3 is a cross section on line X X Fig. 1, and Fig. 4 is a cross section on line Y Y Fig. 2.

a and *b* are the two members provided with the usual mating prongs *c c* and *d d*, the member *a* which consists of a rod being adapted to be slidden longitudinally and partially rotated within the member *b* which is tubular. The member *b* has a continuous longitudinal slot in which the prongs *c*, *c* are movable and said slot is suitably cut away at *e e* to receive the stems of the prongs *c c* when the member *a* is partially rotated.

f is a knob or the like at the end of the member *a* which extends beyond the member *b* and by which the former may be conveniently handled. *g* is a spring disposed helically around the member *a* and adapted to be compressed between the shoulder *h* on said member *a* and a shoulder *k* at the end of the member *b* when the member *a* is slidden longitudinally in the member *b*, the prongs *c c* engaging with the shoulders formed at the cut away parts *e e* when the member *a* is partially rotated in the member *b* thus holding the member *a* in the open position against the action of the spring *g*.

In use the prongs *c c* are first separated longitudinally from the prongs *d d* by sliding the member *a* in the member *b* against the action of the spring *g* and then laterally separated by partially rotating the member *a* in the member *b*, the device being held in the open position by the engagement of the prongs *c c* in the cut away parts or notches *e e*. The loose leaves having been placed in position on the prongs the member *a* is partially rotated and as soon as the prongs *c c* have disengaged from the shoulders of the cut away parts *e e* the spring *g* returns the member *a* and prongs *c c* to their normal positions. Suitable means may be provided on the tubular member *b* for binding.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

A temporary binder comprising a tubular member having a continuous longitudinal slot with notches therein and a shoulder at one end of said member, prongs formed on said member, a rod slidable in said member and extending beyond the same at one end, prongs formed on said rod and slidable in said longitudinal slot to coact with the prongs of said tubular member, a spring embracing said rod at one end-portion and interposed between a shoulder thereon and the shoulder of the tubular member, and a knob on the end of said rod which extends beyond said tubular member.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANCIS ROBERT BAKER.

Witnesses:

JOHN HEWITT,

JOHN MORGAN.