(No Model.)

N. D. WOLFARD.

BOOKBINDER.

No. 500,833. Patented July 4, 1893.

Fig. 1.

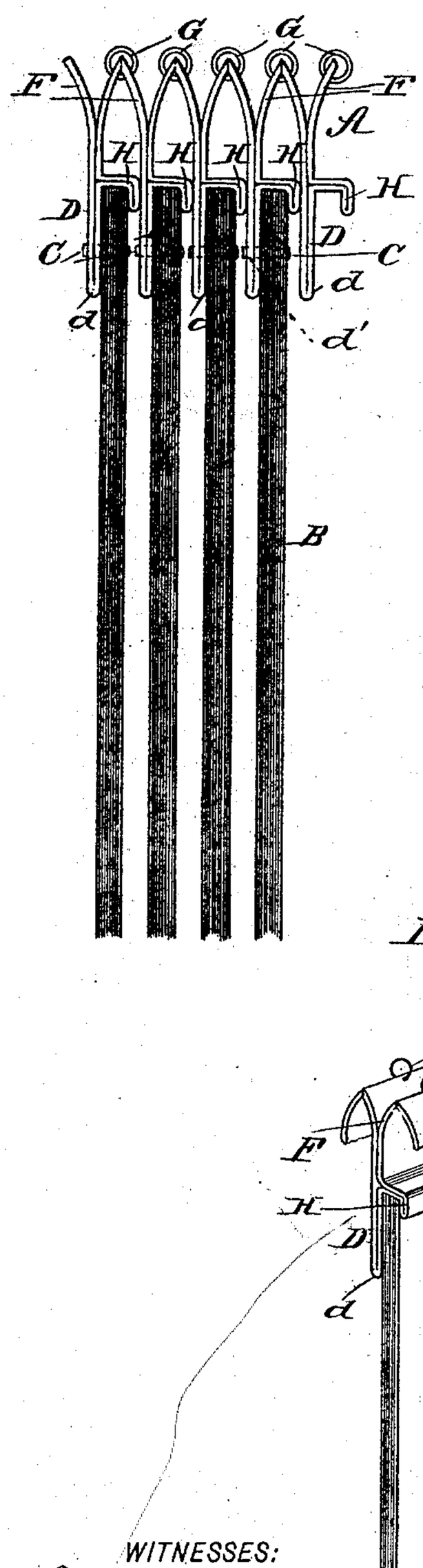

Fig. 2.

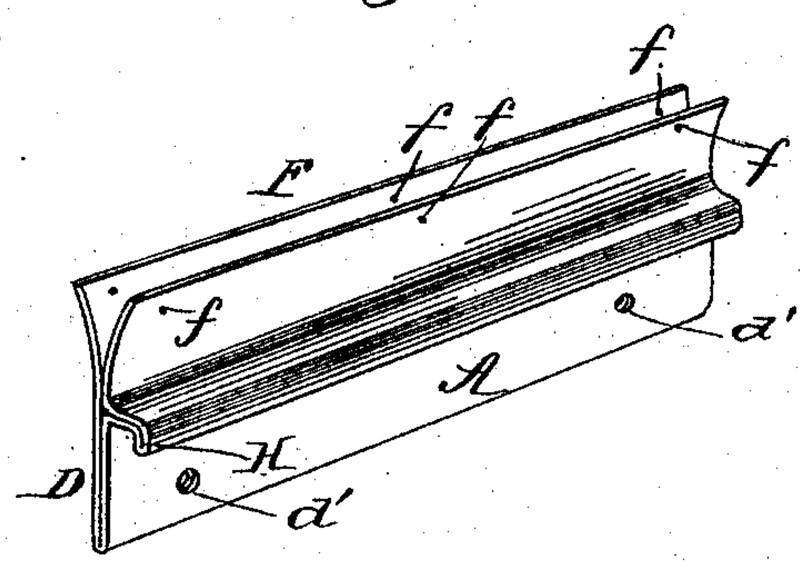

Fig. 3.

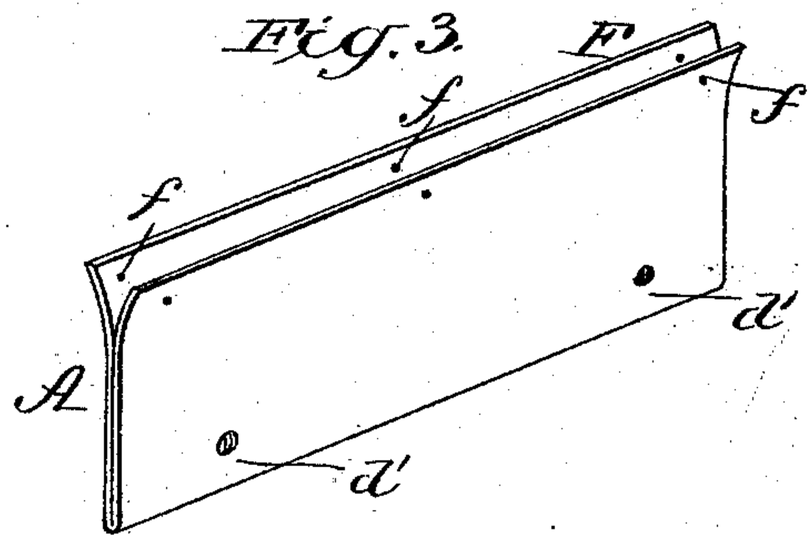

Fig. 4.

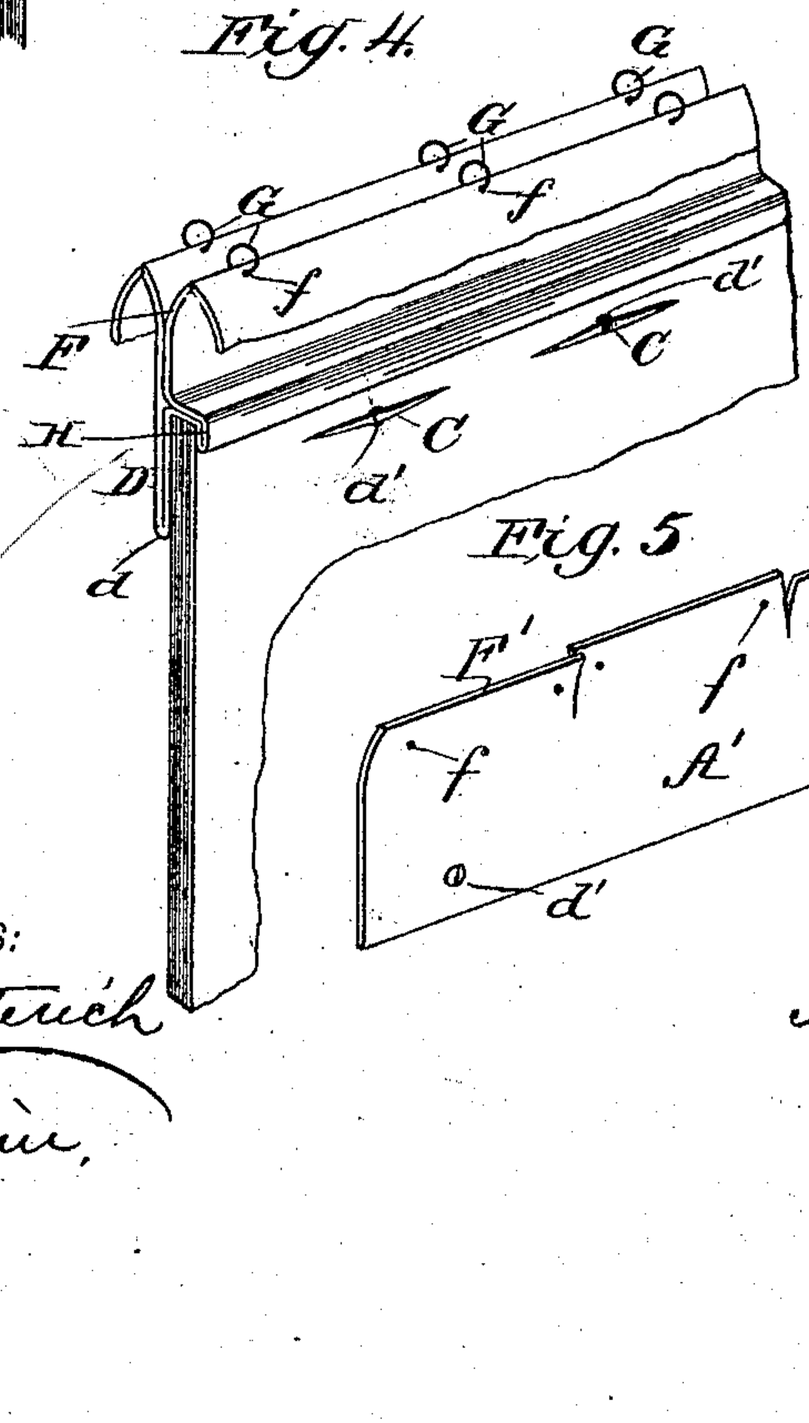

Fig. 5

WITNESSES:

Fred G. Dieterich

P. B. Turpin.

INVENTOR

Nathan D. Wolfard.

BY Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

NATHAN D. WOLFARD, OF HARTSVILLE, INDIANA.

BOOKBINDER.

SPECIFICATION forming part of Letters Patent No. 500,833, dated July 4, 1893.

Application filed July 2, 1892. Serial No. 438,834. (No model.)

To all whom it may concern:

Be it known that I, NATHAN D. WOLFARD, residing at Hartsville, Bartholomew county, in the State of Indiana, have invented a new and useful Improvement in Bookbinders, of which the following is a specification.

My invention is an improved device intended for binding into book form pamphlets, periodicals and other sections such as minutes of meetings, &c., and the invention consists in the novel constructions and combinations of parts hereinafter described and pointed out in the claims.

In the drawings—Figure 1 is a view showing the improvement in use. Fig. 2 is a detail view of one of the strips. Fig. 3 shows one of the strips formed without the spacing flange. Fig. 4 shows in detail the manner of securing the pamphlets or other sections to the strips and for connecting the adjacent strips. Fig. 5 shows a somewhat different construction of strips.

The strips A are preferably made of sheet metal and are bent and folded into the desired shape. These strips A are adapted at their inner edges to receive the pamphlets or other sections B which may be secured to the strip by the tined paper fastener C, as shown or by other suitable devices as may be desired while at their outer edges the strips are adapted for connection with the adjacent strips. In the special construction as shown the strip is formed from a sheet of metal doubled upon itself at *d* forming the inner doubled portion D perforated at *d'* and for the passage of the fasteners E by which the pamphlets are secured to the strips while at the outer edge of the strip are formed or provided the separated flaps F F which are perforated at *f* for the passage of the connecting devices of the adjacent strips. These flaps F may be preferably flared or bent slightly apart to facilitate the insertion of the connecting devices G, which are preferably ring like pieces of wire which may be inserted by the aid of pliers similar to those used in ringing the noses of hogs and other animals. Such pliers greatly facilitate the application of the rings but manifestly they might be applied by hand without departing from some of the broad principles of my invention. Between the folded portion and flaps of the strip I bend or fold the plate to form the separating or spacing flange H. This flange may be bent out to a right angle to the strip or at any suitable angle to suit the thickness of the pamphlet or other section being bound. If desired this spacing flange may be omitted as will be understood from Fig. 3 without varying the other features of the improvement.

It will be understood that the pamphlets or other sections may be supplied from time to time being secured to the strips and the strips connected together from time to time until the volume is completed or enough have been accumulated to form a book of the desired size when a cover may be suitably applied, or may have been applied from the beginning.

While it may be preferred to double the strip upon itself as shown in Fig. 2, it is obvious that strips A' may be made in single thickness with its upper edge formed to provide the opposite flaps F' perforated to receive the connecting rings as shown in Fig. 5.

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

1. An improved binder substantially as described, comprising the binding strips formed of a sheet of metal doubled upon itself forming the doubled portion to which the pamphlet or section may be secured and the separated edge flaps, combined with devices connecting the abutting flaps of the adjacent binding strips all substantially as set forth.

2. In a binder, substantially as described, a binding strip formed of a sheet doubled upon itself forming the doubled inner portion and the separated outer or edge flaps and bent between said doubled portion and flaps to form the spacing strip or flange, substantially as set forth.

3. An improved binder substantially as described, consisting of the plurality of strips provided at their outer edges each with separated oppositely deflected flaps and adapted at their inner edges for the connection of the

pamphlets or other sections and the rings G connecting together the abutting flaps of the adjacent strips, substantially as set forth.

4. In a binder substantially as described a strip or section adapted at its inner edge to receive a pamphlet or the like and provided at its outer edge with the separated oppositely deflected flaps, the latter being perforated transversely for the passage of the connecting devices combined with the connecting devices fitting in said perforations substantially as set forth.

NATHAN D. WOLFARD.

Witnesses:
ANDREW J. BOLEN,
SIMEON RHORER.