F. BOLLENBACH.

BOOKBINDING.

APPLICATION FILED APR. 30, 1908.

902,933. Patented Nov. 3, 1908.

Fig. 1.

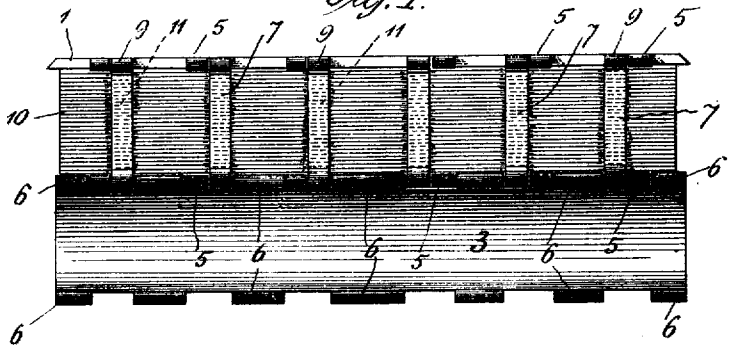

Fig. 2.

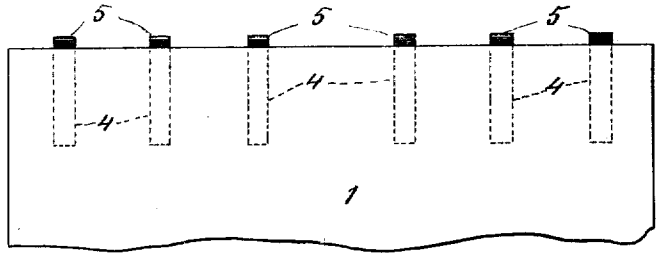

Fig. 3.

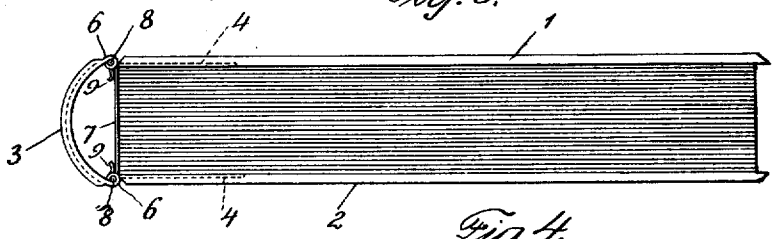

Fig. 4.

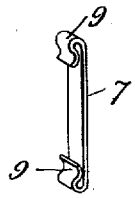

Fig. 5.

Witnesses

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UNITED STATES PATENT OFFICE.

FRIEDRICH BOLLENBACH, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR OF ONE-THIRD TO BALTHASAR BATH AND ONE-THIRD TO CARL HORNBERGER, OF PITTSBURG, PENNSYLVANIA.

BOOKBINDING.

No. 902,933. Specification of Letters Patent. Patented Nov. 3, 1908.

Application filed April 30, 1908. Serial No. 430,143.

To all whom it may concern:

Be it known that I, FRIEDRICH BOLLENBACH, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Bookbindings, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to book binding, and more particularly to that type of binding known as "extra," usually done by hand.

The primary object of my invention is to provide in a manner as hereinafter set forth a novel binding for books, pamphlets and similar matter that can be easily and quickly made.

A further object of this invention is to provide a metallic binder for sheets of paper, the metallic binder being of such a construction as to be durable and add rigidity to the binding-boards of a book, booklet or circular.

With the above and other objects in view which will more readily appear as the invention is better understood, the same consists in the novel construction, combination and arrangement of parts to be presently described and then specifically pointed out in the appended claims.

In the drawings: Figure 1 is an edge view of a book bound in accordance with my invention, illustrating the back thereof in an open position, Fig. 2 is a plan of a portion of one of the binding-boards, Fig. 3 is an end view of a book bound in accordance with my invention, Fig. 4 is a plan of a tie or pivot rod of my improved binding, and Fig. 5 is a perspective view of one of the connecting links of the binder.

To put my invention into practice, I bind a book or a plurality of sheets of paper with side boards 1 and 2 and a curved back 3. The side boards 1 and 2 are provided with a plurality of straps 4, these straps being embedded or suitably secured in the side boards 1 and 2. The straps project past the edges of the boards to be connected together, and are bent to provide sockets 5. The back 3 has its longitudinal edges provided with a plurality of longitudinally alining sleeves 6, the sleeves upon one edge of the back being opposite the sleeves upon the opposite edge thereof.

To hinge the side boards 1 with 2 and the back 3, I employ metallic flat links 7 and pintles 8. The metallic flat links 7 have their ends bent to provide sockets 9, and these links are of a length corresponding to the thickness of the matter to be bound. The links 7 further constitute a means for reinforcing the binder at the back and to prevent the straightening of the back as well the spreading of the boards with respect to each other at the rear thereof. The sockets 9 of the links 7 are adapted to aline with the sockets 5 of the side boards 1 and 2, while the sleeves 6 of the back 3 aline with the sockets 5 and 9. The pintles 8 can then be pushed through the sleeves 6 and sockets 5, 9 to hinge the back to the sides and to retain the link 7 in position.

The back 3, straps 4 and links 7 are preferably made of metal, and the back 3 can be suitably covered according to the style of binding.

To secure the leaves or printed matter 10 in my binding, the same can be stitched or otherwise secured to the links 7, as at 11.

Having now described my invention what I claim as new, is:—

1. A binding for books comprising side boards, metallic straps carried thereby and having their ends protruding beyond one of the edges of said boards and bent to provide sockets, a curved metallic back having its edges provided with diametrically opposed sleeves alining with the sockets of said side boards, metallic flat links, said links having their ends bent to provide sockets alining with the sleeves of said back and sockets of said side boards, and pintles extending through said sleeves and sockets for hinging said side boards to said back.

2. A binding for books comprising side boards, straps carried thereby and provided with sockets, a back, longitudinal alining sleeves carried by said back, links having their ends bent to provide sockets alining with the sleeves and with the sockets of the straps, and pintles extending through the sleeves and sockets for hinging the parts to the back.

3. A binding for books comprising side boards having their inner ends provided with sockets, a back having its longitudinal edges bent to provide sleeves, links having their ends provided with sockets alining with the sockets and said sleeves, and pintles hinging the back to the side boards.

In testimony whereof I affix my signature in the presence of two witnesses.

FRIEDRICH BOLLENBACH.

Witnesses:
MAX H. SROLOVITZ,
H. C. EVERT.