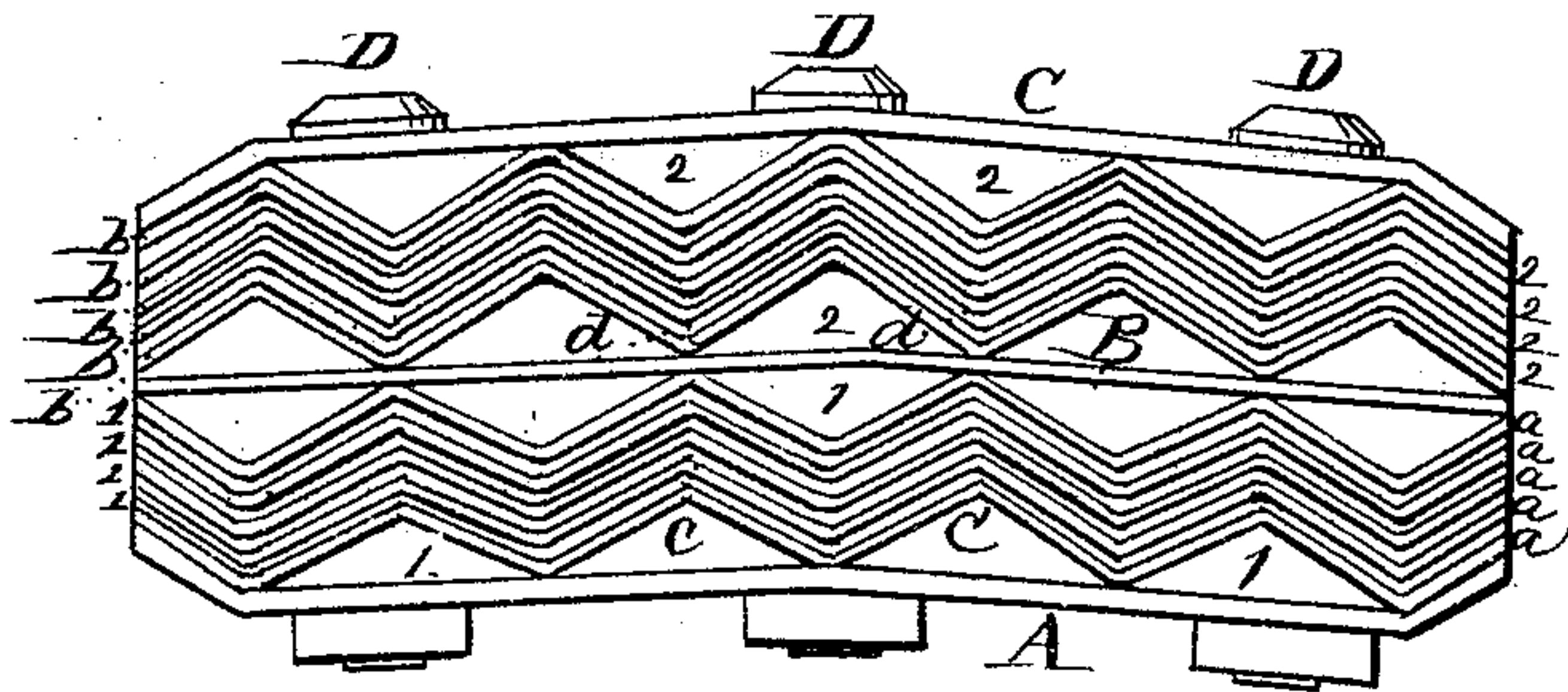


A. Hankey.
Paper Engine Bed Plate.
N^o 101,008. Patented Mar. 22, 1870.



Witnesses:

Geo. H. Moller
Albert E. Pirce

Inventor:

Anthony Hankey

United States Patent Office.

ANTHONY HANKEY, OF LEICESTER, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND GEORGE A. CORSER, OF SAME PLACE.

Letters Patent No. 101,008, dated March 22, 1870.

IMPROVED BED-PLATE FOR RAG OR PAPER-ENGINES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, ANTHONY HANKEY, of Leicester, county of Worcester and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Bed-Plates for Rag-Engines for Working Paper Stock; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification, which represents a top or plan view of my improved bed-plate.

To enable those skilled in the art to which my invention belongs to make and use the same, I will proceed to describe it more in detail.

The nature of my invention consists—

First, in the combination of two series of cutting-plates of elbow form, one-half of which are arranged in a reverse position to the other half, as will be hereafter explained.

Second, a bed-plate for rag or paper-mill engines, made in the peculiar manner hereafter explained.

In the drawing—

a a represent a series of steel cutting-plates, bent in elbow-form, and arranged between the outer holding-plate A and the central plate B, with pieces of fibrous material 1 1 between them, as fully indicated in the drawing.

Upon the opposite side of the central plate B, and between that and the back holding-plate C, is arranged another series of cutting-plates, *b*, bent in elbow form, and having pieces of fibrous material 2 2 inserted between the plates, as indicated in the draw-

ing, the whole being held securely together by means of holding-bolts D D.

It will be observed that the angles of the series of plates *a* are arranged in a reverse position to the angles of the plates *b*, and that, as a consequence, the stock which is carried in over the angles *c*, as it passes the central plate B, will be moved laterally when it strikes the angles *d*, thereby equalizing the action and making them perfectly even working plates.

By making the front, central, and back plates in curved form the stock is worked toward the center of the plate, thus insuring the complete cutting and separation of the fibers of the stock.

Having described my improvements in bed-plates for rag-engines for working paper stock,

What I claim therein as new, and of my invention, is—

1. The combination of the series of bent plates *a* with the series of bent plates *b*, arranged in relation to each other, as shown and described, and for the purposes stated.

2. The combination, with the series of plates *a* and *b*, of the central plate B, substantially as and for the purposes set forth.

3. A bed-plate for rag or paper-engines, constructed substantially as shown and described.

ANTHONY HANKEY.

Witnesses:

GEO. H. MILLER,
ALBERT E. PEIRCE.