

(No Model.)

G. H. P. FLAGG & W. GORDON.

ABRASIVE BELT.

No. 253,196

Patented Feb. 7, 1882.

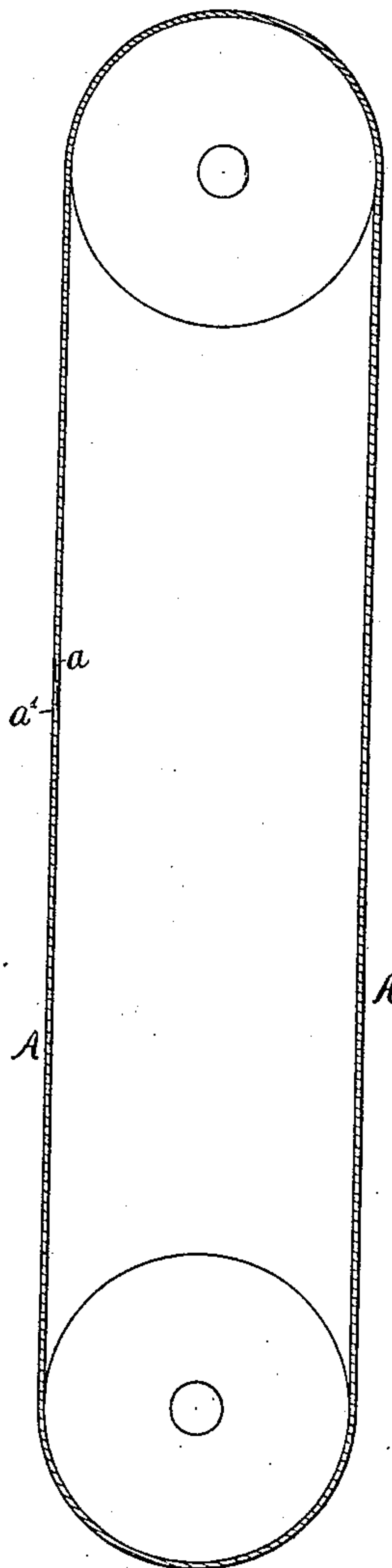


Fig. 1.



Fig. 3.

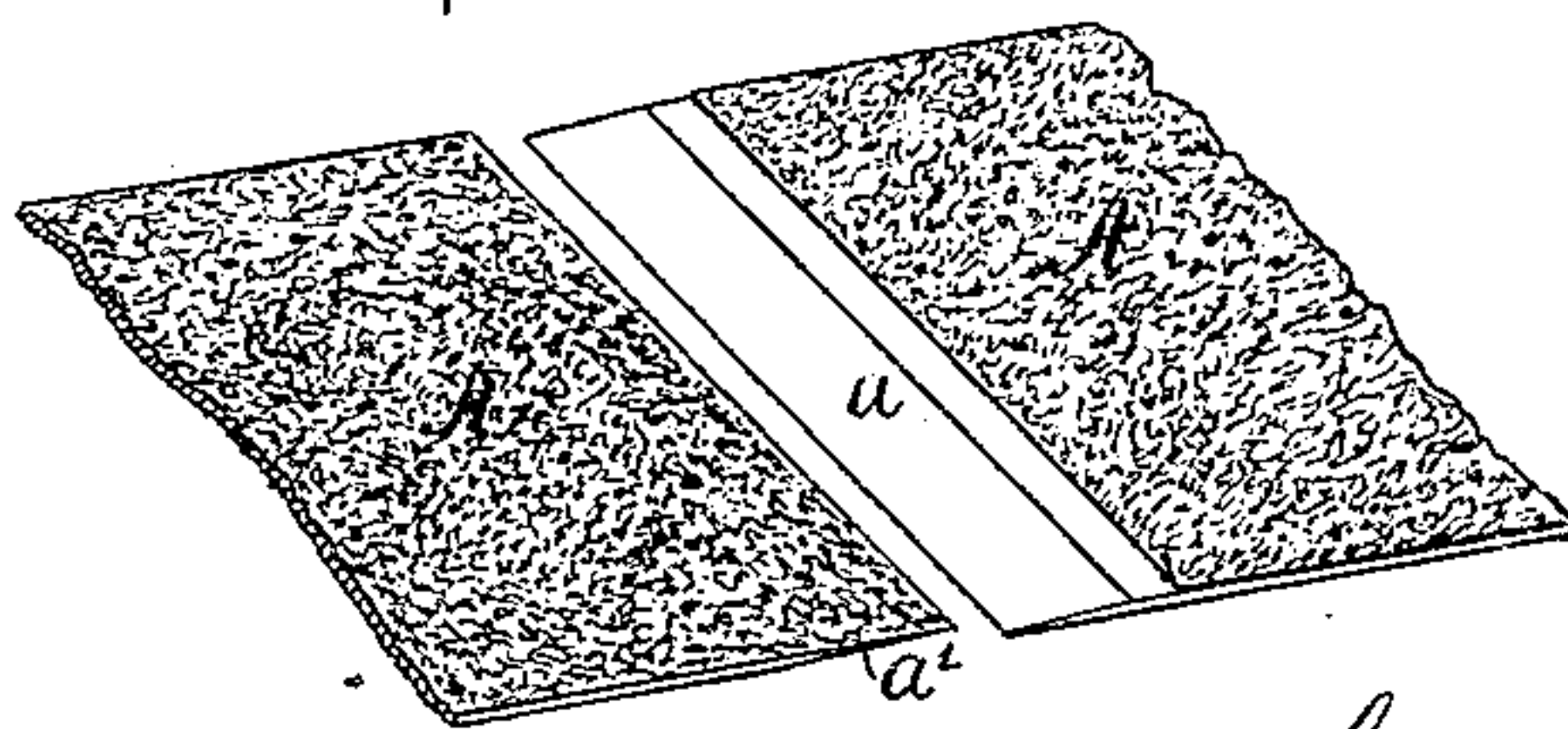


Fig. 2.

Witnesses:

Wm. Fittell.
J. R. Snow.

Inventor:

George H. P. Flagg
William Gordon
by J. E. Maynard
their attys

UNITED STATES PATENT OFFICE.

GEORGE H. P. FLAGG AND WILLIAM GORDON, OF BOSTON, MASSACHUSETTS;
SAID GORDON ASSIGNOR TO SAID FLAGG.

ABRASIVE BELT.

SPECIFICATION forming part of Letters Patent No. 253,196, dated February 7, 1882.

Application filed December 29, 1880. (No model.) Patented in Canada July 25, 1881.

To all whom it may concern:

Be it known that we, GEORGE H. P. FLAGG and WILLIAM GORDON, both of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Abrasive Belt, (for which we have obtained a patent in Canada, No. 13,168, bearing date July 25, 1881,) of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, in which—

Figure 1 is a section through two pulleys and one of our belts. Figs. 2 and 3 are enlarged views for illustrating the best method known to us of making our belts.

Our invention relates to belts having an abrasive surface; and it consists in forming such belts of a long narrow strip of sand-paper by uniting the ends together, as more fully described below.

The sheet or roll of sand-paper is cut into strips A of the desired width and length, and the sand is removed at one end, *a*, of this strip. The other end, *a'*, is skived off and lapped over and glued or cemented to the denuded surface *a*, as illustrated in the drawings. The surface *a* may be also slightly skived with advantage.

We are aware that abrasive belts made of

leather or textile fabric and then covered with an abrasive coating of sand, emery, and the like are well known, and disclaim such belts, the main advantage of our belt being that the sand, emery, or the like is applied to the sheet material in the sheet or roll, our belts being made of strips having the abrasive coating applied before their ends are joined to make the belt, and not made by first forming a belt and then coating it with abrasive material.

We are also aware that in the patent to Hufeland, No. 103,191, dated May 17, 1870, an endless band of sand-paper is mentioned, and we disclaim all that is described in that patent.

What we claim as our invention is—

The sand-paper belt above described, consisting of a strip of sand-paper the ends of which are joined together, the end *a* being denuded of sand and the end *a'* skived and lapped over and connected to the end *a*, as set forth, thereby bringing the outer surfaces of the abrasive coating on a line at the joint.

GEORGE H. P. FLAGG.
WILLIAM GORDON.

Witnesses:

J. E. MAYNADIER,
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