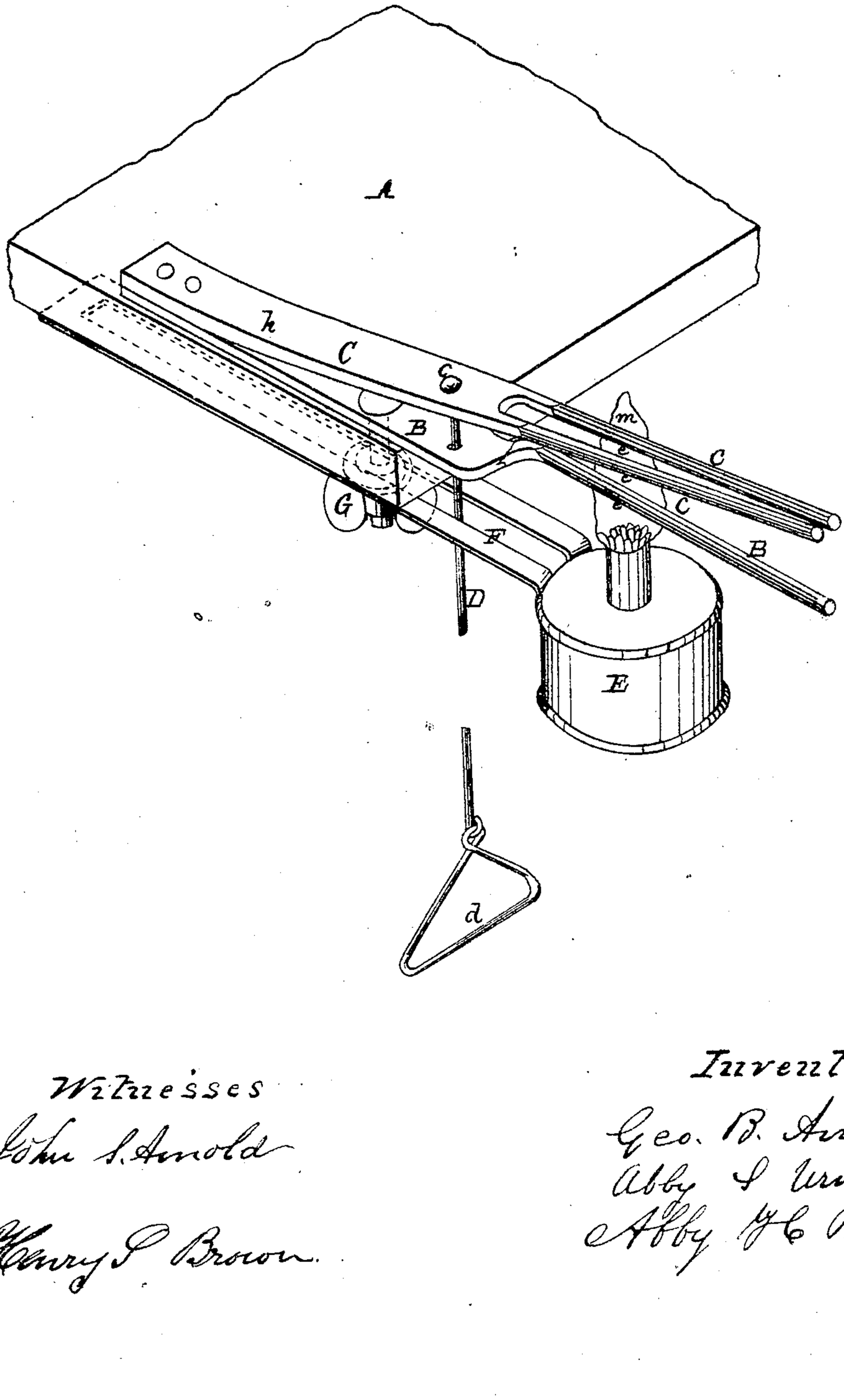
G. B. Arnold, A. H. Price & A. S. Urner.

Fluting Apparatus.

No. 29337. Patented Jul. 24. 1860



Witnesses
John S. Arnold

Henry S. Brown.

Inventors
Geo. B. Arnold
Abby S Urner
Abby H. Price

UNITED STATES PATENT OFFICE.

GEO. B. ARNOLD, ABBY H. PRICE, AND ABBY S. URNER, OF NEW YORK, N. Y., ASSIGNORS TO THEMSELVES AND A. ARNOLD AND J. S. ARNOLD, OF SAME PLACE.

FLUTING APPARATUS.

Specification of Letters Patent No. 29,337, dated July 24, 1860.

To all whom it may concern:

Be it known that we, GEORGE B. ARNOLD, ABBY H. PRICE, and ABBY S. URNER, all of the city of New York, in the county and State of New York, have invented a new and useful Apparatus for Smoothing and Fluting Ruffles; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, which is a perspective view of our invention.

We will proceed to describe its construction and operation by the aid of the drawing and of the letters of reference marked thereon.

A is a portion of a bench or table to which is attached the two pieces of metal B, C, C, shaped and connected as represented. To the point *c*, is attached the cord or rod D and treadle *d*, adapted to be operated by the foot. On depressing D the forked end of C, C, embraces and passes B and on releasing it C, C, assumes its first position by the elasticity of the metal at *h*. The ends B and C, C, are rods of a cylindrical or slightly tapered form as represented.

Underneath B, C, C, an alcohol lamp E is mounted by means of the slide F and nut G, so that the flame *m*, may be made to envelop B and C, C either at the point represented or at a point nearer to or farther from A.

The lamp E being lighted its distance from the end of the rods B, C, C, is made equal to about the width of the ruffle which it is desired to flute or crimp. After the rods have become heated to the proper temperature the ruffle properly dampened is held in both hands by the operator and the foot being placed in *d*, the ruffle is inserted between the rods B and C, C, till it nearly touches the flame, when by the action of the foot C, C, is pressed down crimping the ruffle between C, C, and B. The ruffle is then withdrawn in the direction of the length of the rods. The foot is then raised C, C, rises and the operation is repeated. As the heat is supplied constantly by the flame at a point immediately adjacent to the working surface it is conducted along the rods B and C, C, and ruffles or flounces are fluted very rapidly and uniformly after a little practice. By the use of the smokeless lamp E in combination with the other parts we are enabled to conduct the operation without the delay and variation in the effect due to a reheating of the fluting parts. By adjusting the distance of the flame in from the points of B, C, C, so as to have the flame always immediately adjacent to the edge of the ruffle we are enabled to flute narrow ruffles with much greater rapidity than could be done if the lamp was placed stationary at a point proper for the widest work. By the use of the treadle D, *d* in combination with the spring *h*, and the other parts we are able to use both hands in managing the ruffle.

Having now fully described our invention what we claim as new therein and desire to secure by Letters Patent is:

1. The fluting device herein described consisting of the fluting rods B, C, C, heating flame *m* spring *h* and treadle B, *d*, or their equivalents arranged and operated substantially as herein set forth.

2. Adjusting the heat receiving points *e*, *e*, *e* relatively to the working surfaces of the iron substantially in the manner and for the purpose herein set forth.

In testimony whereof we have hereunto set our names in the presence of two subscribing witnesses.

GEO. B. ARNOLD.
ABBY H. PRICE.
ABBY S. URNER.

Witnesses:
JOHN S. ARNOLD,
HENRY S. BROWN.