

C. BEAN.
Combined Ripping and Cutting Device.
No. 205,034. Patented June 18, 1878.

Fig. 1.

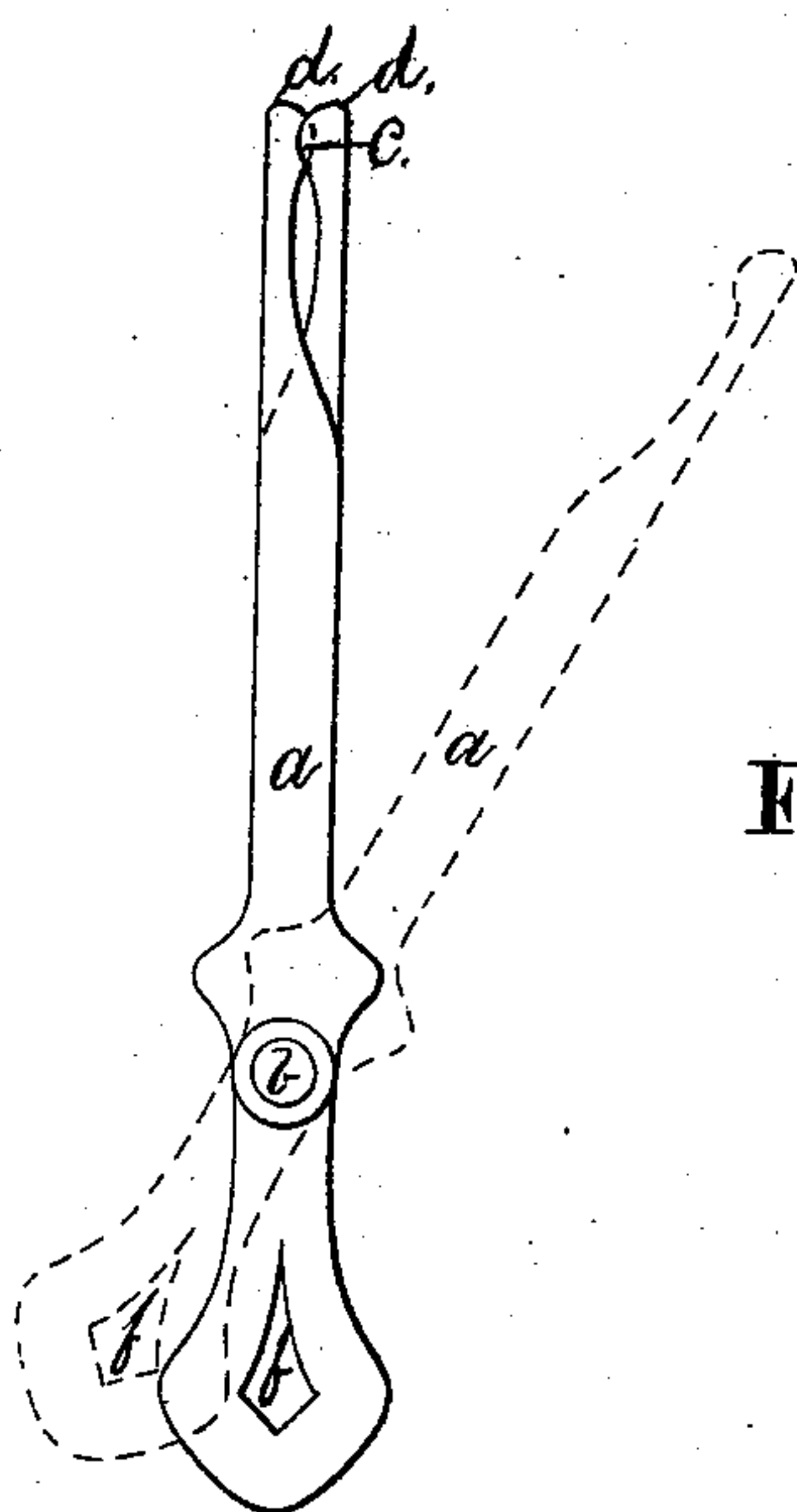


Fig. 2.

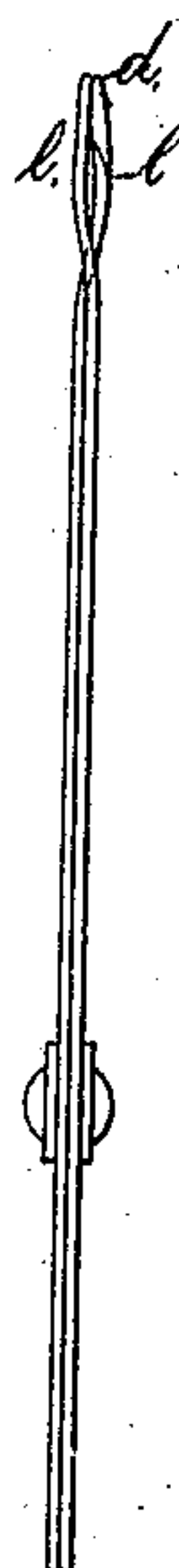
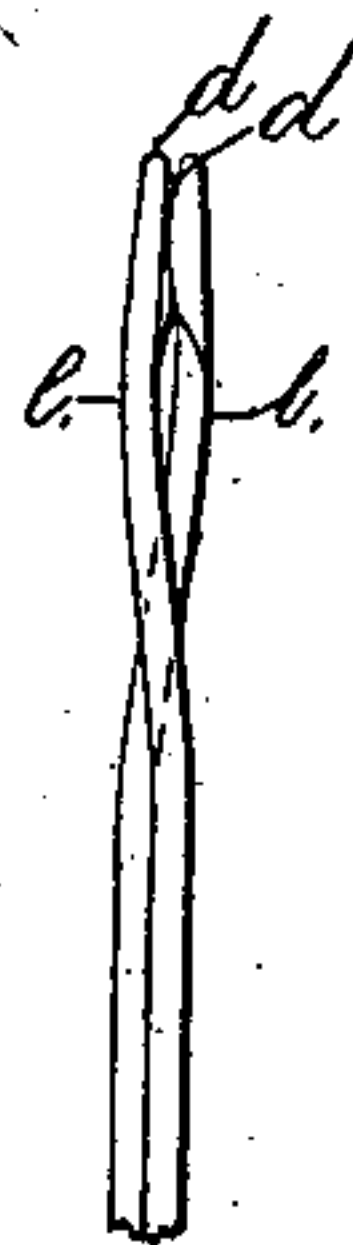


Fig. 3.



WITNESSES:

Joseph A. Miller Jr.
William L. Coe.

INVENTOR:

Charles Bean
by Joseph A. Miller
attorney

UNITED STATES PATENT OFFICE.

CHARLES BEAN, OF PAWTUCKET, ASSIGNOR OF ONE-HALF HIS RIGHT TO
DANIEL W. HAYDEN, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN COMBINED RIPPING AND CUTTING DEVICES.

Specification forming part of Letters Patent No. **205,034**, dated June 18, 1878; application filed
May 15, 1878.

To all whom it may concern:

Be it known that I, CHARLES BEAN, of Pawtucket, in the county of Providence and State of Rhode Island, have invented new and useful Improvements in Ripping and Cutting Devices; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification.

This invention has reference to a compound tool or device to be used for ripping the sewing by inserting the same along the seam between the fabrics sewed together, and cutting the sewing-threads without injury to the fabric, and also to be useful in cutting paper patterns and other material. It is also useful in cutting button-holes and in inserting tape into parts of dresses or other articles into which tape or cord is to be inserted, thus forming a new and useful article for ladies', dress-makers', tailors', and others' use.

The invention consists in the combination of two hinged cutters of peculiar construction, as will be more fully set forth hereinafter, and pointed out in the claims.

Figure 1 is a view of my improved ripping and cutting device, shown in the position occupied by the two hinged cutters when used for ripping the seams in solid lines, and one part in broken lines when used for a button-hole or other cutter. Fig. 2 is a side view of the device, showing how the two cutters are sprung one over the other, as also the curved outer surface by which the cutting-edges are prevented from coming in contact with the material to be ripped, and thus prevent injury to the same. Fig. 3 is an enlarged view of the cutting end of my improved ripping device.

In the drawings, *a* are two flat bars hinged at *b*, and provided at the forward end with curved cutting-edges *c*, the extreme end being blunt and rounded at *d*, to prevent the ends from entering and piercing the material between which they are inserted to rip the seam or sewing.

To hold the cutting-edges firmly together, and also to keep the material from contact with the cutting-edges, the forward ends of the bars are bent at *e*, and their thickness preserved except at the curved cutters. These cutters are, therefore, pressed together and may be adjusted for coarse or fine threads, and the material cannot come in contact with the cutters and be injured by the same.

When the device is to be used to insert tape, cord, or other similar material, the two forward points are pressed close together, so that only the blunt ends *d* present themselves, and the tape or cord is passed through the eye *f* sufficient to be retained.

When the device is to be used as a button-hole or other cutter, or when the cutters are to be sharpened, the same is opened, as shown in Fig. 1, partially in solid and partially in broken lines.

The device is cheap, simple, and extremely useful, performing all the different offices in a perfect manner. It is durable, can be readily adjusted, and is a valuable labor-saving device.

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

1. The combination, with the hinged bars *a*, of the curved cutting-edges *c*, blunted at the ends *d*, each provided with a thick edge at *e*, and the ends bent so as to overlap each other at the cutting-edges, all substantially as and for the purpose set forth.

2. The combination, with the hinged bars *a*, provided at their forward end with cutting-edges and blunted ends, of the rear end provided with the eye *f*, arranged to operate substantially as and for the purpose set forth.

CHARLES BEAN.

Witnesses:

JOSEPH A. MILLER,
JOSEPH A. MILLER, Jr.