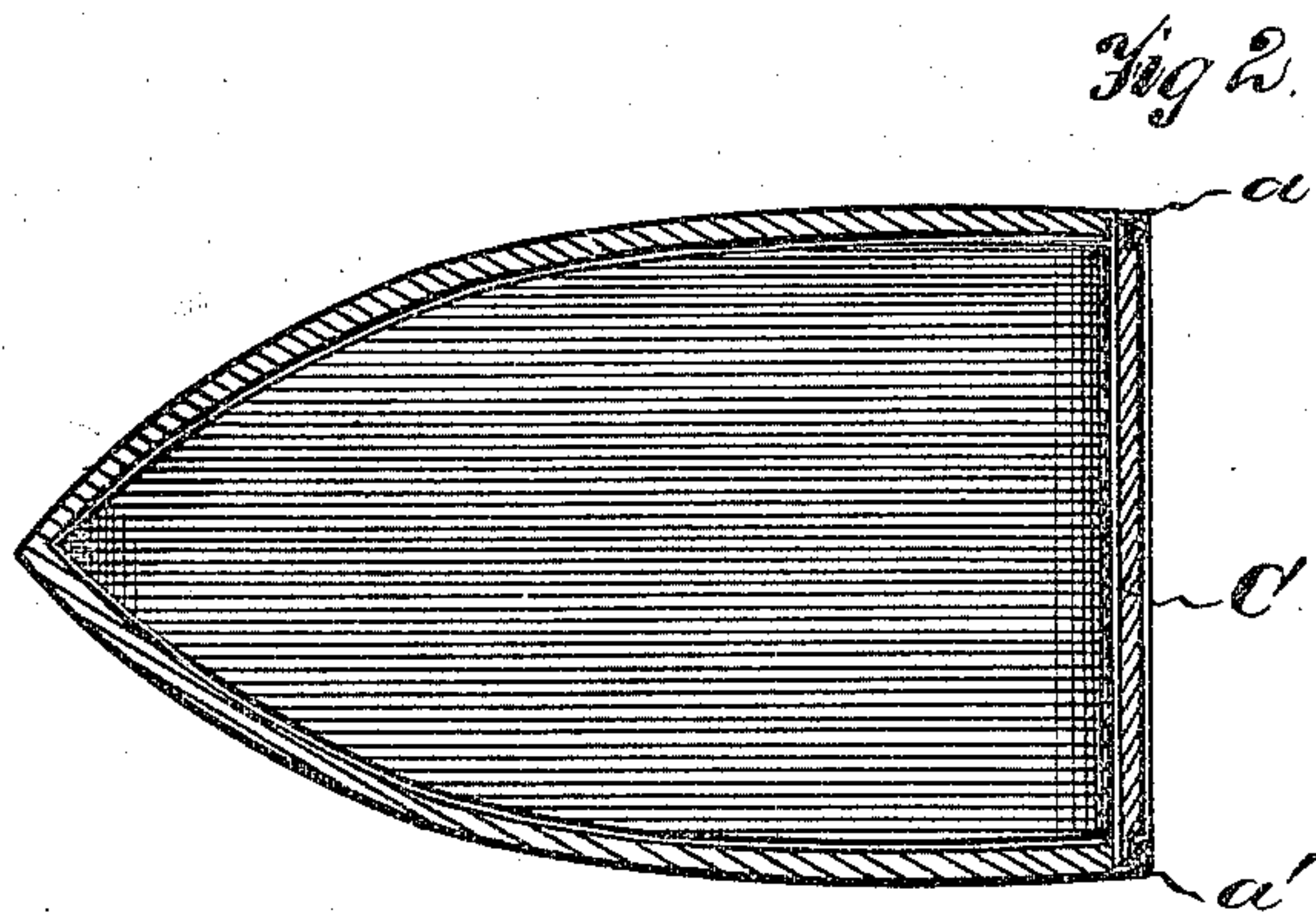
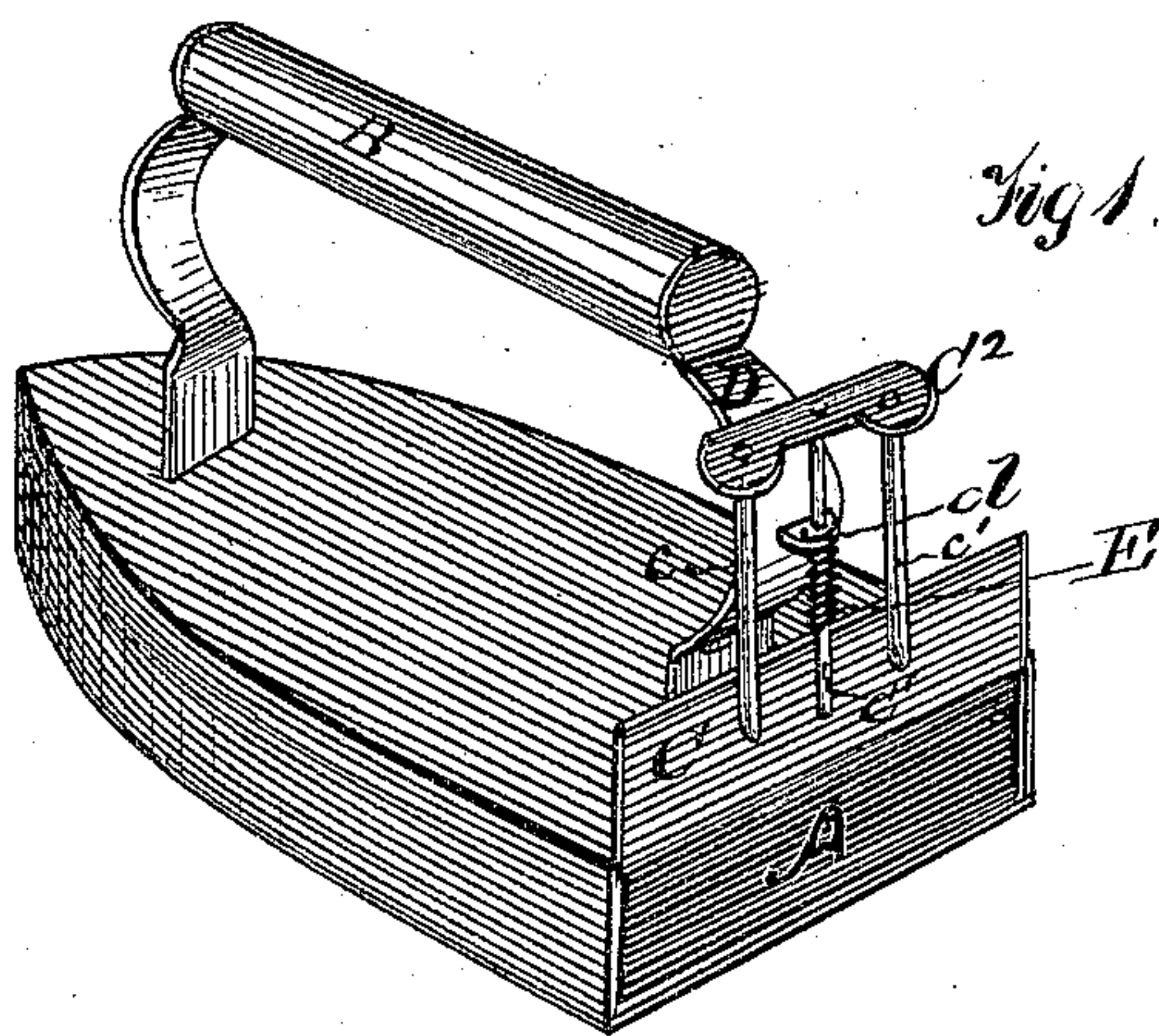


BARBARA JONES.

Sad-Irons.

No. 143,451.

Patented Oct. 7, 1873.



Witnesses
J. Bradford
C. E. K. E. K.

B. Jones
Inventor
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Attys.

UNITED STATES PATENT OFFICE.

BARBARA JONES, OF STATE LINE CITY, INDIANA.

IMPROVEMENT IN SAD-IRONS.

Specification forming part of Letters Patent No. 143,451, dated October 7, 1873; application filed August 30, 1873.

To all whom it may concern:

Be it known that I, BARBARA JONES, of State Line City, in the county of Warren and State of Indiana, have invented a certain Improvement in Sad-Irons, of which the following is a specification:

This invention relates to that class of smoothing-irons which are heated by hot bolts, introduced into the hollow body of the iron. My improvement consists in providing the open end of the iron with a sliding spring-gate, which will be kept closed by the action of the spring in whatever position the iron may be, so that no accident is likely to occur by the accidental opening of the gate, and the escape of the hot bolt.

Figure 1 is a perspective view of a smoothing-iron embodying my improvement. Fig. 2 is a horizontal section.

The same letters of reference are used in both figures in the designation of identical parts.

The hollow body A of the iron is preferably constructed with a cast-steel base, highly polished. From its top rise the standards supporting the handle B, which may be made of wood. At the open end of the iron the base and sides project slightly beyond the top plate, and grooves *a a'* are formed in the projecting ends of the side plates for the reception of the corresponding ends of the sliding gate C, which

may be provided with tongues for that purpose. Midway between its ends the gate carries a rigid vertical stem, C¹, which, after passing through the eye of the lug *d*, terminates in a thumb-piece, C², whereby the gate may be raised.

In the example illustrated, this thumb-piece is at its ends secured to rods *c c'*, which are in turn rigidly fastened to the sliding gate. Between the lug *d*, which is fastened to and projects laterally from the standard D, and the top of the sliding gate a spiral spring, E, encircles the stem C¹, the spring being still somewhat contracted or compressed when the gate is down all the way.

The spring will be contracted when the gate is raised, and close the latter automatically by its reaction or recoil.

What I claim as my invention, and desire to secure by Letters Patent, is—

The hollow body A of a sad-iron, in combination with the sliding gate C, stems C *c c'*, thumb-piece C², lug *d*, and spiral spring E, substantially as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

BARBARA JONES.

Witnesses:

LIDA J. OHAIL,
D. FRASER.