

G. HERRICK.
MUSICAL INSTRUMENT.

No. 94,108.

Patented Aug. 24, 1869.

Fig. 1.

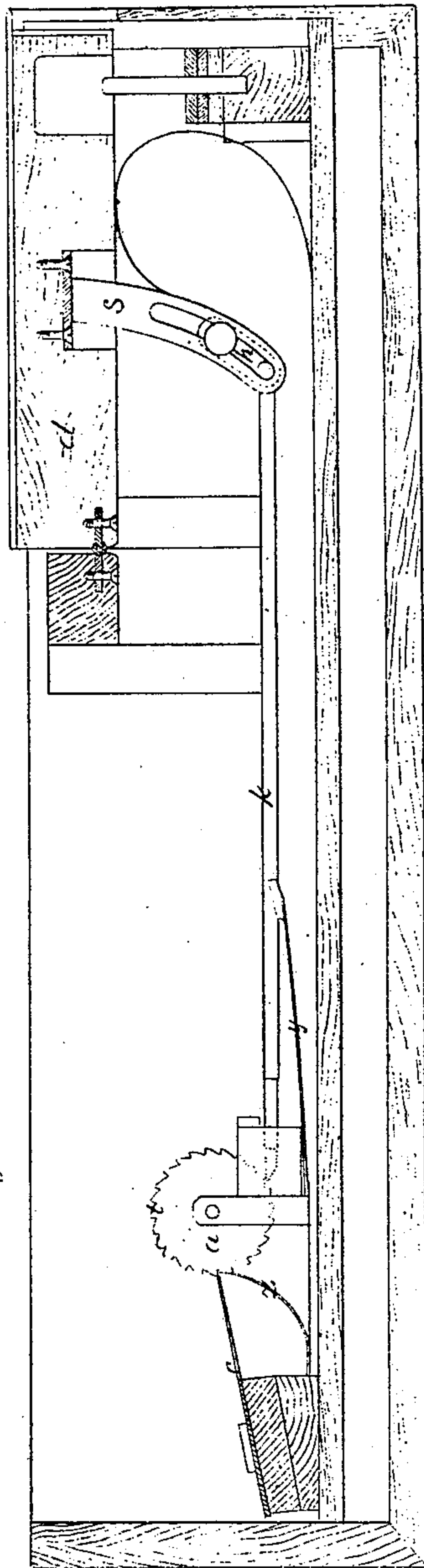
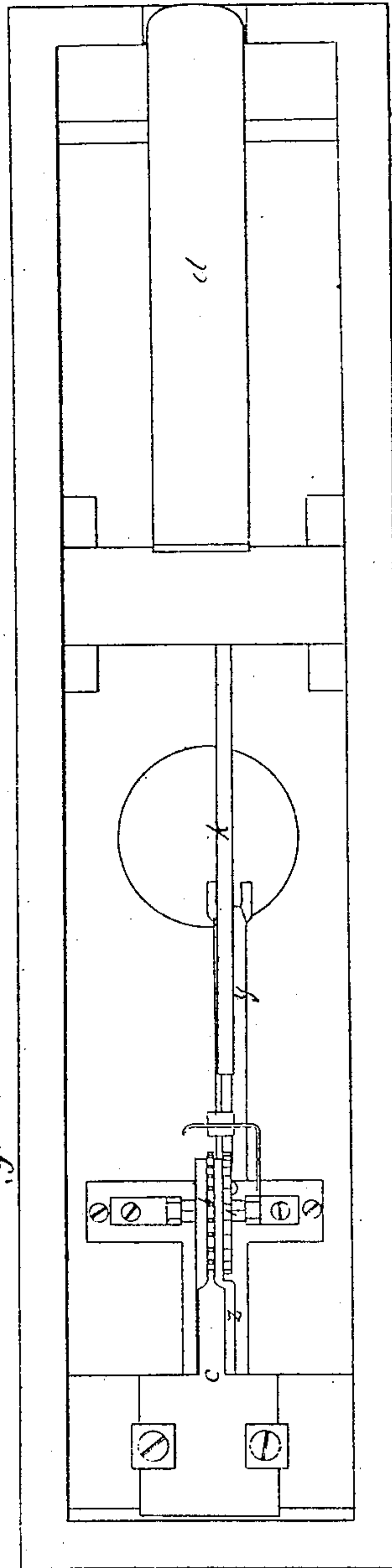


Fig. 2.



Witnesses
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GEORGE HERRICK, OF WAVERLY, NEW YORK.

Letters Patent No. 94,108, dated August 24, 1869.

IMPROVEMENT IN MUSICAL INSTRUMENTS.

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, GEORGE HERRICK, of the village of Waverly, in the county of Tioga, and State of New York, have invented a new and valuable Improvement in Musical Instruments; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a longitudinal vertical section of one key of my instrument.

Figure 2 is a top view of the same.

The nature of my invention consists in connecting a key-board, like those used for organs or pianos, with a comb of steel teeth similar to those used for producing the musical sounds of a music-box.

I connect the key-board with a drum, *a*, in which are fixed the short teeth or pegs *b*, by the revolution of which the musical teeth *c* of the comb are caused to vibrate, and the different teeth of said comb being tuned in accordance with the different tones of the

musical scale by pressing upon the different keys, *d*, of the key-board, the tune or piece of music played is placed under the control of the performer.

The drum *e* is made to revolve by means of an adjustable dog, *h*, connected with a stud, *s*, fastened to the under side of the key and working in a ratchet-wheel, *t*, attached to the margin of the drum, the drum having one peg to cause vibrations of a tooth for each tooth of the ratchet.

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

The musical instrument herein described, having keys *d*, studs *s*, dogs *h*, pawls *k*, drums *a*, with teeth *b*, ratchet-wheel *t*, springs *x*, *y*, and *z*, and comb *c*.

In testimony that I claim the above, I have hereunto subscribed my name, in the presence of two witnesses.

GEORGE HERRICK.

Witnesses:

J. NEWTON DEXTER,
MILTON J. WARNER.