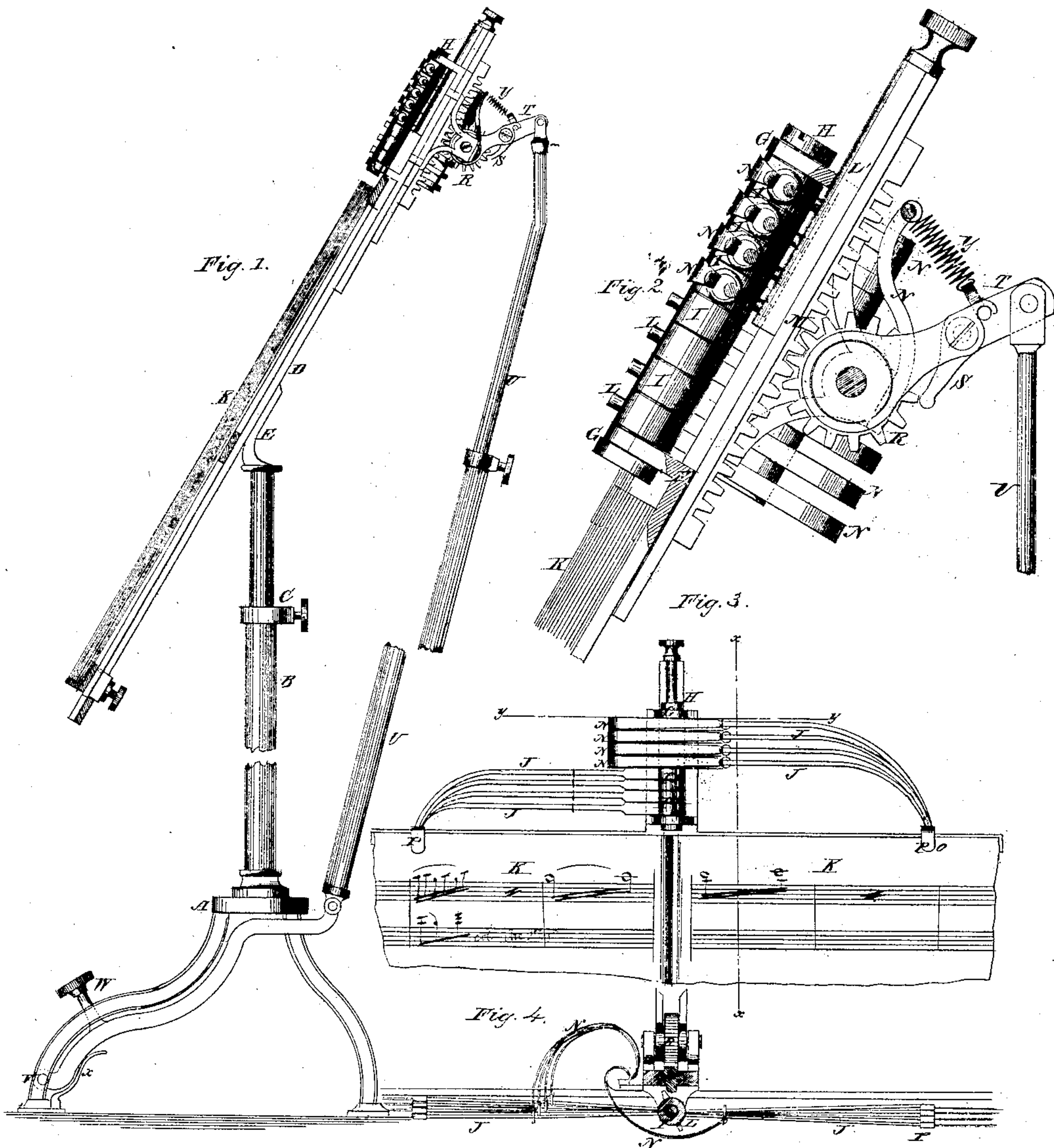


A. KRAFT.
MEDIUM FOR TURNING MUSIC SHEETS.

No. 109,023.

Patented Nov. 8, 1870.



Witnesses:
Custave Dietrich
Alex F. Roberts

Inventor:
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United States Patent Office.

ALBERT KRAFFT, OF BERLIN, PRUSSIA, ASSIGNOR TO F. G. UTASSY & CO.
OF NEW YORK CITY.

Letters Patent No. 109,023, dated November 8, 1870.

IMPROVEMENT IN MEDIUMS FOR TURNING MUSIC-SHEETS.

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, ALBERT KRAFFT, of the city of Berlin, Prussia, have invented a new and improved Medium for Turning Music-Sheets; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to improvements in devices for holding and turning the leaves of music-books; and

It consists—

First, in combining a stand with an adjustable support and an adjustable treadle-rod, so that the height of the music may correspond to the height or choice of different persons.

Secondly, in the peculiar construction and combination of the fingers and sliding rack.

In the accompanying drawing—

Figure 1 represents a side elevation of the arrangement.

Figure 2 is a section of fig. 3 from the line *x x*.

Figure 3 is a sectional front view.

Figure 4 is a detail top view, looking down from the line *y y* of fig. 3.

Similar letters of reference indicate corresponding parts.

A is a stand, upon which rests (or to which is attached) the column B, which column is formed of two parts, and made adjustable by means of a telescope-joint and set-screw, as seen at C.

D is a frame, attached to the top of the column B, as seen at E, which frame supports the music-sheet or book.

Attached to the top of the frame D is a bracket, F, with ears G G projecting outward, through which ears there passes a central pin, H, on which the eyes I of the fingers J turn, as they turn the sheets from right to left for reading the music.

K represents the music-sheets.

On each of the finger-eyes there is a projecting lug, L.

M is a rack, which slides longitudinally with the bracket F directly back of the eyes.

When this slide is down it holds the fingers to the right by means of the lug L and a rib, L', on its side or back.

As the slide is raised, the rib leaves the lug on the lower finger first, and so on, successively, for all the fingers, which, as they are thus released, turn the leaves.

The fingers are actuated by springs, one spring for each finger, confined to a stud on one side of the bracket.

F N represent the springs.

The springs receive their tension when the finger is adjusted to the sheet of music, as seen at O, fig. 3.

The end of each finger is flattened, or a thin nipper or holder, P, is attached thereto, for holding the sheets or leaves.

The sliding rack M is operated by means of a pinion, R, and pawl, S.

The pawl is attached to the arm T, which works on the arbor of the pinion.

U is an adjustable rod, which is attached to the end of the arm T. It extends down beneath the column B, and is attached to one leg of the stand, as seen at V.

W is a knob which passes through a slot in the leg.

X is a spring, which bears upward against the rod U.

By pressing with the foot or toe of the shoe on the knob the rod U will be drawn down, which causes the pawl to engage with the pinion. This movement raises the slide and liberates the fingers, one at a time, as may be required for turning the sheets or leaves of music.

When the rod U is thus drawn down, it is (when the pressure on the knob W is removed) immediately drawn up again by the spring Y, attached to the arm T, as seen in the drawing.

By this arrangement the sheets or leaves of a piece of music may be turned by the performer without the least interruption, and in the shortest possible space of time.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The combination of music-holder D with adjustable support B and adjustable rod U U, as and for the purpose described.

2. The spring-fingers J N, having eyes I and lugs L, pinion R, pawl S, arm T, spring Y, and lever U, all constructed and relatively arranged as and for the purpose described.

The above specification of my invention signed by me this 13th day of December, 1869.

ALBERT KRAFFT.

Witnesses:

H. KREISMANN,
H. AUG. POHL.