(No Model.) 2 Sheets—Sheet 1.

R. KIRK.

ARM AND WRIST REST.

No. 492,889. Patented Mar. 7, 1893.

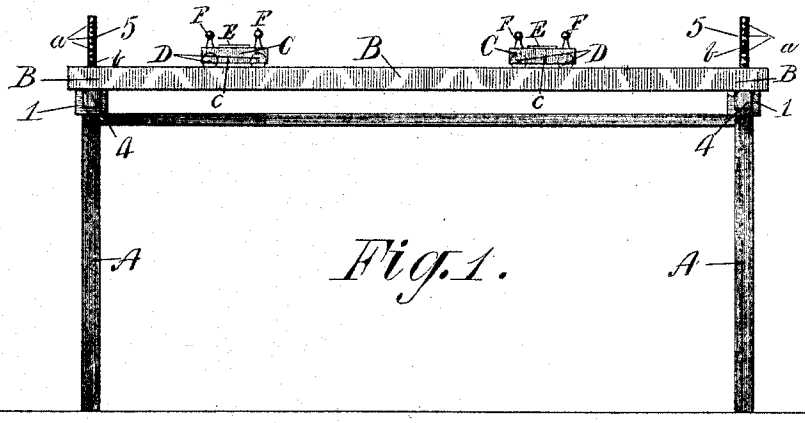

Fig. 1.

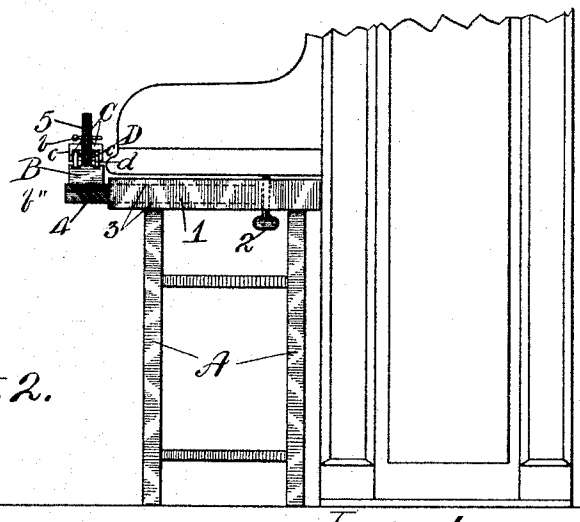

Fig. 2.

Witnesses,
C. L. Lawrie.
L. Foulds.

Inventor,
Rebecca Kirk
by Charles H. Riches
her attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

(No Model.) 2 Sheets—Sheet 2.

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ARM AND WRIST REST.

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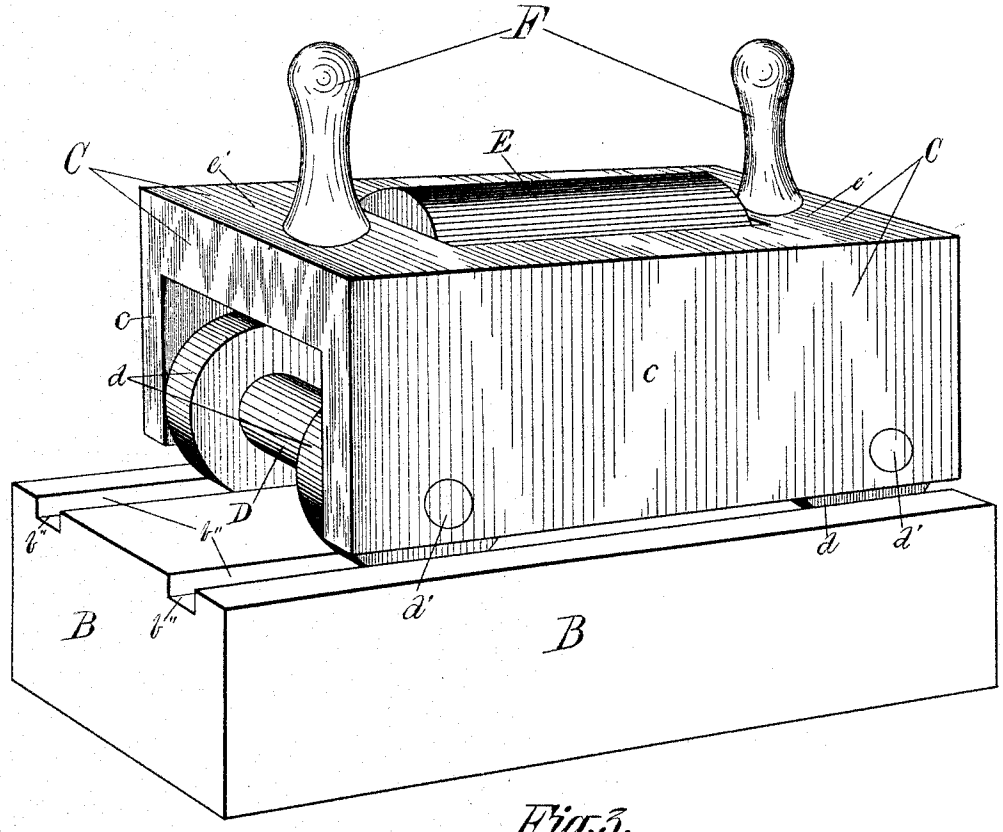

Fig. 3.

Witnesses,
C. B. Lawrie.
L. Goulds.

Inventor.
Rebecca Kirk
by Charles H. Riches
her attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

REBECCA KIRK, OF STRATFORD, CANADA.

ARM AND WRIST REST.

SPECIFICATION forming part of Letters Patent No. 492,889, dated March 7, 1893.

Application filed October 5, 1892. Serial No. 447,952. (No model.)

To all whom it may concern:

Be it known that I, REBECCA KIRK, of the city of Stratford, in the county of Perth and Province of Ontario, Canada, (wife of Joseph G. Kirk, of the said city of Stratford,) have invented certain new and useful Improvements in Arm and Wrist Rests; and I hereby declare the following to be a full, clear, and exact description of the same.

This invention relates to an arm and wrist rest which can be attached to a piano, organ, or writing desk with the aid of which in musical performances the fingers of the performer will be carried along smoothly and freely, and will be enabled to strike the center of the keys of the instrument which is so desirable, so that in the execution of technics, scales, arpeggios, &c., the hand will be supported and strengthened and the speed materially quickened, also that when attached to a writing desk the writer will acquire evenness of execution and uniformity of the letters, and the fingers will be prevented from assuming any irregularity or unnatural position; and the invention consists essentially of a carriage comprising a suitable frame work in the lower portion of which are journaled two or more grooved wheels to travel along the top of the guide rail, and a roller journaled in the top of the frame and projecting slightly above the level of the top of the frame so that those who adopt the muscular form of writing will be enabled to move the arm to and fro with the greatest ease, and two stops or pins located one at either end of the said roller in order to arrest the movement of the arm when slipping from the said roller, a guide rail arranged at the front of the desk or piano and along the top of which runs the said carriage, the whole device being constructed and arranged as hereinafter more fully set forth in the specification and more particularly pointed out in the claims.

In the drawings:—Figure 1 is a front elevation of my device showing it arranged to be applied to a piano. Fig. 2 is a side elevation of the same. Fig. 3 is an enlarged perspective view of the carriage.

Like numerals and letters of reference refer to like parts throughout the specification and drawings.

The device is applied to a piano, organ, and the like consists essentially of two standards A, of a slightly less height than the distance from the floor to the under side of the piano or other instrument and of sufficient strength to support the device and the weight thrown upon it by the person using it.

Mounted on the top of the standards A is a frame 1 fitted with adjustable clamps 2 to bear against the under side of the piano and rigidly hold the frame and standards A in position. Formed in the frame 1 is a slide 3 in which works a sliding frame 4 carrying the bearing bar or guide rail B. Fitted to each end of the sliding frame 1 is a standard 5 each of which standards is fitted with a series of holes *a* to receive the adjustable pins *b* by means of which the bearing bar or guide rail B is raised or lowered as the case may be and by means of which the said bearing bar or guide rail B is adjusted to any desired elevation.

It might here be stated that the standards 5 are arranged to pass through holes cut through the said rail B in order to give sufficient rigidity to the rail B to permit it to remain in position without any posibility of its becoming dislodged or shifting its position laterally or longitudinally and interfering with the travel of the carriage. The bearing bar or guide rail B extends the entire length of the key board of the instrument and the standards A are located preferably one at or near either end of the said bar so that the carriage will not be impeded in its travel. As shown in the drawings the bearing bar or guide rail B is provided with two grooves *b''* with an intervening tongue between them into which grooves enter the flanges of the grooved wheels of the carriage.

The carriage consists of a suitable frame work C, having journaled in it two, or if necessary more, grooved wheels D, the flanges *d* of which travel in the grooves *b''* of the bearing bar or guide rail B. The frame C, consists of an open box having two sides *c* and a top *c'*. In the sides *c* are formed bearings for the spindle *d'* of the wheels D and in the top *c'* are formed the bearings for the spindle of the roller E. Secured to the top *c'* and at either end of the roller E is a pin F to arrest the arm when moving off of the said roller.

It will be noticed by reference to the drawings that when the device is to be used in combination with a piano two carriages are provided constructed similar to the one hereinbefore described, and designed one for the left arm and one for the right, said carriage being adapted to move along the bearing bar or guide rail B. When however the device is to be applied to a desk for writing purposes the guide rail may be permanently secured to the desk or form a part thereof and the carriage may be mounted upon said rail.

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

1. An arm rest comprising a guide rail, a carriage mounted upon said guide rail consisting of a frame, wheels mounted in said frame and adapted to run upon said guide rail, and a top to said frame for the arm to rest upon, substantially as and for the purpose set forth.

2. In an arm rest the combination of a guide rail a carriage mounted upon said guide rail, said carriage comprising a frame work, two wheels mounted in said frame work and adapted to run upon said guide rail, a roller mounted in the top of said frame work to support and allow of the movement of the arm, substantially as and for the purpose described.

3. In an arm rest the combination of a guide rail a carriage mounted upon said guide rail, said carriage comprising a frame work, two wheels mounted in said frame work and adapted to run upon said guide rail, a roller mounted in the top of said frame work to support and allow of the movement of the arm, and a stop located at either end of said roller to prevent the arm moving off said roller, substantially as and for the purpose set forth.

4. In an arm rest the combination of a guide rail provided with two parallel grooves, a tongue between said grooves, a carriage comprising a frame work, grooved wheels mounted in said frame work, the flanges of which travel in the grooves of the guide rail, a top to said frame, a roller mounted in said top adapted to support the arm and a pin located at either end of said roller to prevent the arm slipping off said roller, substantially as and for the purpose described.

Stratford, September 26, 1892.

REBECCA KIRK.

In presence of—
L. SANDERSON,
I. P. MABEL.