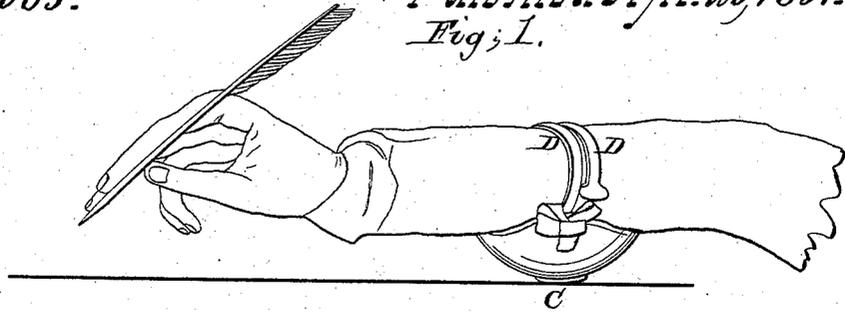


Goshon & Towers

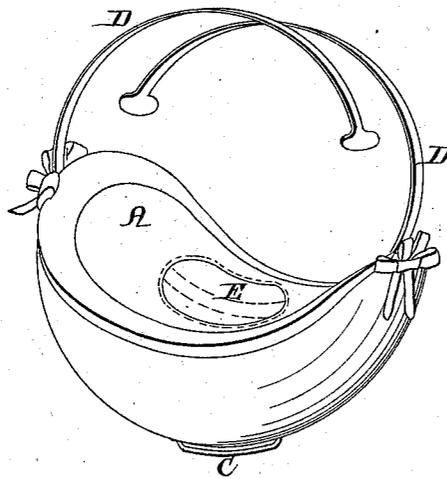
Penmanship.

N^o 8,065.

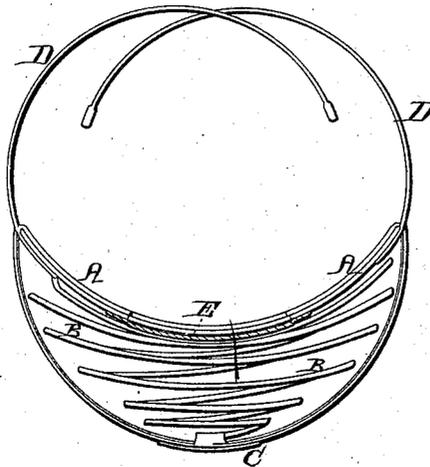
Patented Apr. 29, 1851.
Fig; 1.



Fig; 2.



Fig; 3.



UNITED STATES PATENT OFFICE.

J. G. GOSHON, OF SHIRLEYSBURG, PENNSYLVANIA, AND W. H. TOWERS, OF BUCYRUS, OHIO.

APPARATUS FOR GIVING EASE TO THE ARM IN WRITING.

Specification of Letters Patent No. 8,065, dated April 29, 1851.

To all whom it may concern:

Be it known that we, JOSEPH G. GOSHON, of Shirleysburg, in the county of Huntingdon and State of Pennsylvania, and WILLIAM H. TOWERS, of Bucyrus, in the county of Crawford and State of Ohio, have invented a new and useful Improvement, being a Flexible Supporter for the Arm While Writing, denominated the "Penman's Assistant;" and we do hereby declare the following to be a full and clear description thereof, reference being had to the annexed drawings of the same, making part of this specification.

15 Figure 1, represents the flexible supporter and its proper position on the arm of the penman when writing. Fig. 2, is a perspective view of the supporter. Fig. 3, is a vertical section of ditto.

20 Where the same letters occur on the above figures they indicate the same parts.

The nature of our invention and improvement consists in the construction of a flexible arm supporter, or rest, so formed and shaped as to fit the arm of the penman below the elbow joint, and serve as a flexible support and rest, on which the arm is supported and balanced and permitted to move or turn with the utmost freedom and ease to the writer,—thus effectually preventing numbness of the arm and the consequent contraction of the muscles of the fingers, as well as entirely relieving the arm from any cramping or stiffness produced by constant writing which often happens to most penmen. This effect is produced by the inflexibility of the desk or bearing of the arm of the writer. This flexible or elastic supporter consists of a circular metallic plate A provided with an opening in its center and made concave so as to fit the convexity of the arm. To the underside of this plate and near its periphery there is attached by any convenient means a spiral spring B which projects downward in a regular spiral line, somewhat resembling an inverted cone, and is connected to a small plate C, or button exactly in the center and beneath the concave plate A,—the plate or button C, at the lower end of the spring B, forming the rest on which the flexible supporter turns and moves with the motion of the arm. Over the upper part of the concave metallic plate is secured a piece of leather having an opening therein corresponding with that in the concave plate. Around and beneath the

spiral spring there is also confined a piece of leather or other material for the purpose of inclosing the spring and giving a neat appearance to the supporter.

On either side of the supporter and diametrically opposite are two spring plates D made of thin steel attached to the concave plate A and projecting upward and lapping each other, and are each about a semi-circle equal to half the circumference of the arm, and covered or ornamented with silk, and are for the purpose of embracing the arm and confining the supporter thereto, while the penman is writing and preventing its sliding or moving on the arm when once adjusted.

There is a thin plate E placed across the diameter of the central opening of the metallic plate A, and corresponding with the concavity of the same, and is for the purpose of preventing the lower portion of the spiral spring B projecting through the central opening in the concave plate when contracted by the pressure of the arm thereon, and thus the action of the spiral spring is prevented from interfering with the arm.

This supporter when used is placed upon the arm of the penman about mid-way between the elbow joint and joint connecting the hand with the arm, adjusted as desired and confined by the semi-circular springs D which embrace the arm on either side and hold it secure. Or straps may be made to pass over the arm and buckle or otherwise instead of the semi-circular springs.

This supporter may be made of any desired shape, size, and material and ornamented in any desired manner, and will be found to be of great advantage to the penman, in as much as it imparts perfect ease, lightness, and freedom to the arm, and preserves the sleeve of the coat or other garment from rubbing and wear, the arm being elevated from the desk and supported by the flexible support.

This supporter may be made entirely of gum elastic or india rubber, and inflated with air, to give it any required degree of elasticity, and provided with a band or strap to embrace the arm and hold it securely thereto.

Having thus described our invention and improvement, and shown the application of the same to the arm of the penman, what we claim as our invention and desire to secure by Letters Patent, is—

Constructing an arm supporter or rest so
formed and shaped as to fit the arm below
the elbow joint, and serve as an elastic or
flexible support or rest on which the arm of
5 the penman is supported and balanced and
permitted to move or turn with the motion
of the arm, with the utmost freedom and
ease to the writer, by which all numbness,
contraction of the muscles of the fingers, and
10 crampness or stiffness of the arm is effec-
tually prevented and the arm rendered free
in its movement and under the complete con-
trol of the writer, as fully described and
represented.

In testimony whereof we have hereunto 15
signed our names before two subscribing wit-
nesses.

JOSEPH G. GOSHON.
WILLIAM H. TOWERS.

Witnesses to the signing of Joseph G.
Goshon:

TH. A. SMELKERS,
JAMES RAMSEY.

Witnesses to the signing of Wm. H.
Towers:

A. E. H. JOHNSON,
A. C. WATKINS.