L. S. DREW.

POCKET SIGNAL CHART.

APPLICATION FILED OCT. 31, 1917.

1,311,682. Patented July 29, 1919.

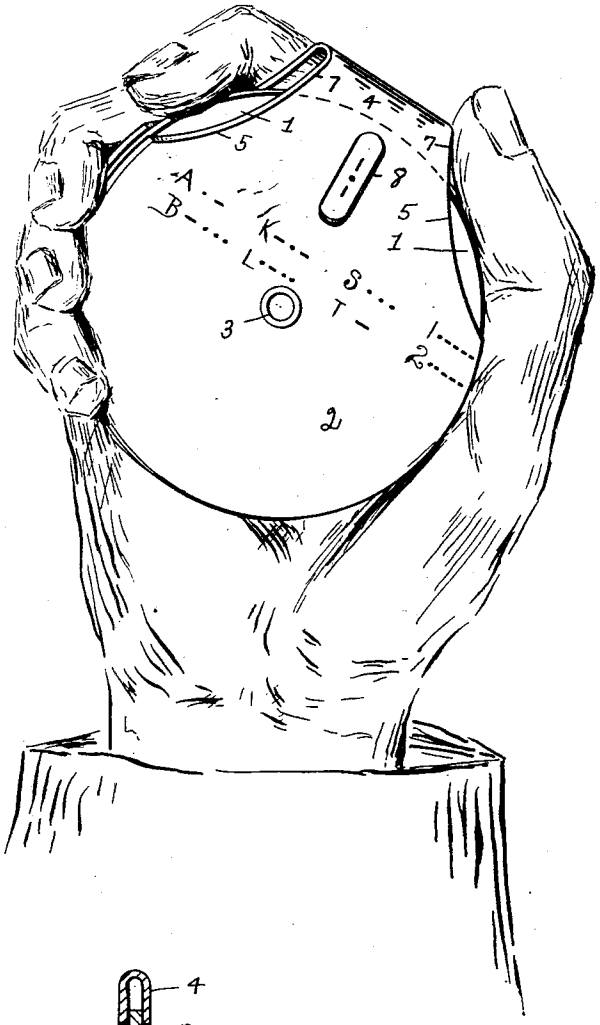


Fig. 1.

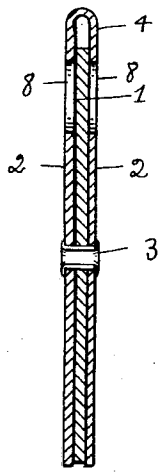


Fig. 2.

INVENTOR—

Leonard S Drew

by Eugene Terrell

THE COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

LEONARD S. DREW, OF NEW YORK, N. Y., ASSIGNOR TO JOSEPH G. WILLIAMS, OF BOSTON, MASSACHUSETTS.

POCKET SIGNAL-CHART.

1,311,682. Specification of Letters Patent. Patented July 29, 1919.

Application filed October 31, 1917. Serial No. 199,578.

To all whom it may concern:

Be it known that I, LEONARD S. DREW, a citizen of the United States, residing at New York, in the county and State of New York, have invented certain new and useful Improvements in Pocket Signal-Charts, of which the following is a specification.

This invention relates to improvements in pocket signal charts. It is especially designed for the use of persons who are desirous of making themselves by practice absolutely reliable in the use of signal codes. It is adapted for use with codes of various styles and forms and may be held in and operated by one hand alone. For illustration I have shown it in connection with the international Morse code, but it is equally applicable to semaphore codes like the Army and Navy codes.

In the drawings herewith accompanying and forming a part of this application Figure 1 is a perspective view of the device placed in the hand, illustrating its position in the right hand when in use, it being understood that it is adapted to be used equally well in the left hand and that a different code may be placed on the opposite sides if desired, the device being reversible, and Fig. 2 is a central sectional view of the device taken on line *x*—*x*, Fig. 1.

The same reference characters indicate like parts in the several figures.

In said drawings 1 is a circular disk on which the characters representing the signals of the code are arranged, preferably near the edge and positioned radially. The disk is rotatably secured to a cover 2 by a pivot 3. The cover is provided with a chart containing the signal characters and the letters or words which they represent. The greater part of the cover is circular and concentric with the disk, but has at one point a projection 4 and in each side of said projection a recess 5 which leaves a portion of the disk exposed for convenient engagement by the finger for rotating the disk relative to the cover. The edges 7 of the projection form stops or holds for the thumb. In the cover is a slit 8 through which the signal characters will be exposed as the disk is rotated.

If desired, the device may be adapted to be used for two codes, one on each side. In this case I prefer to form the cover from a blank which, when folded midway the part which is to form the projection, receives the disk between the folded members shown in the drawings. Otherwise the construction and operation is the same.

I will now explain the use of my device. The user will take the chart in the hand as shown in the drawings and turn the disk until a character shows in the slit, the character for K for example. He calls this "K" and to verify it looks at the chart below. With sufficient practice he can, therefore, learn the code so that he will be absolutely sure to interpret the signals correctly which is of the most vital importance, especially in Army and Navy signals.

I claim:

1. In a device of the character described, a disk having a series of characters arranged radially thereon near its edge and a cover therefor to which the disk is rotatably secured having a series of similar characters with their signification arranged thereon, said cover having its main lower part circular and concentric with the disk and of greater diameter and having a portion projecting beyond the disk at the top to form a hold for the thumb the cover being provided with a recess on each side of said projection, whereby a portion of the disk is exposed to engagement by the finger to rotate the disk, and a slit between said recesses adapted to exhibit the characters on the disk as the disk is rotated relative to the cover.

2. In a device of the character described, a disk having a series of characters arranged radially thereon on each side of the cover, a folded cover for said disk having on the outside of each cover a series of characters similar to those on the corresponding side of the disk and the signification of said characters, the disk being positioned between the covers and rotatably secured thereto, the folded part of the cover projecting beyond the disk to form a hold for the thumb, recesses in the covers exposing portions of the disk to engagement by the finger for rotating the disk and a slit in each side of the cover adapted to exhibit the characters on the disk, one by one, as the disk is rotated relative to the cover.

3. In a device of the character described, a disk having on each side a series of characters arranged radially near its edge and a cover having a series of similar characters with their signification arranged thereon,

each side of the cover having its main portion circular and concentric with the disk and of greater diameter and having a portion projecting beyond the edge of the disk to form a hold for the thumb, the cover being provided with a recess on each side of said projection, whereby portions of the disk are exposed to engagement by the finger for rotating the disk, and with a slit on each side between the recesses adapted to exhibit the characters on the disk as the disk is rotated relative to the cover.

In testimony whereof I affix my signature.

LEONARD S. DREW.

Witness:

G. H. ROBINSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."