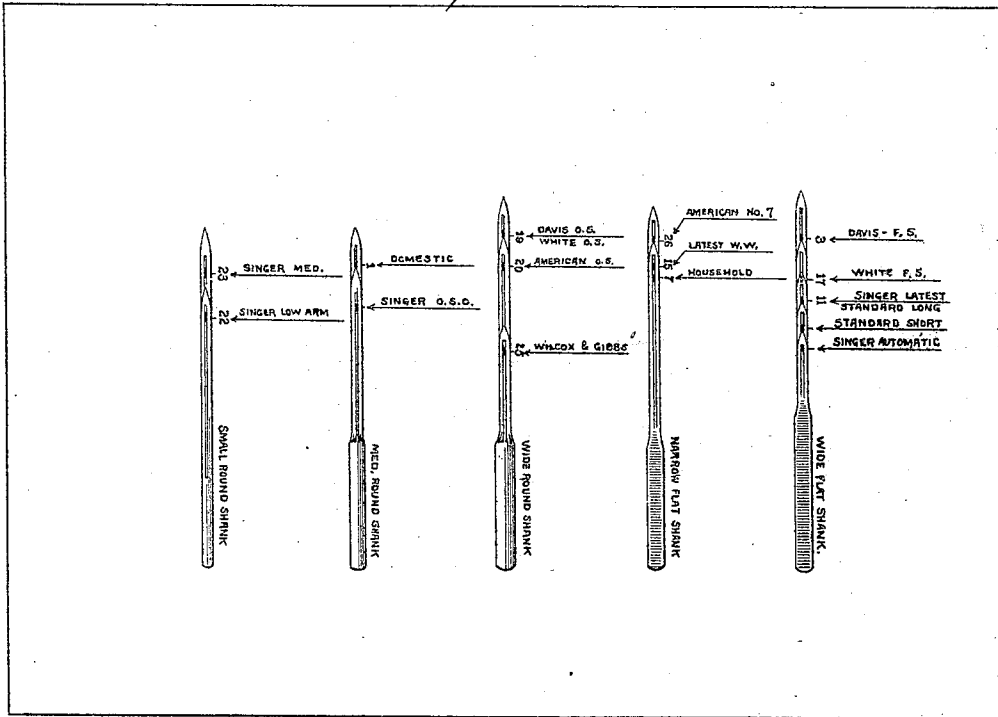


No. 838,945.

PATENTED DEC. 18, 1906.

J. H. BOYE.
SEWING MACHINE NEEDLE CHART.
APPLICATION FILED MAY 31, 1906.

A



Witnesses:

John Enders
John Enders

Inventor:

James H. Boye

By Depewforth, Depewforth, Lee and Welles,
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UNITED STATES PATENT OFFICE.

JAMES H. BOYE, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE BOYE
NEEDLE COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION
OF ILLINOIS.

SEWING-MACHINE-NEEDLE CHART.

No. 838,945.

Specification of Letters Patent.

Patented Dec. 18, 1906.

Application filed May 31, 1906. Serial No. 319,508.

To all whom it may concern:

Be it known that I, JAMES H. BOYE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Sewing-Machine-Needle Charts, of which the following is a specification.

Each of the many differently designated sewing-machines in general use is adapted to employ one or another of a limited number of different sizes and types of standard sewing-machine needles, and frequently the name of the machine gives no indication of the name of the standard needle which it employs. Although there are comparatively few manufacturers of sewing-machines, yet many thousands of such machines are sold each year which bear the name of the dealer and not the name of the manufacturer. Consequently when the user of a certain make of machine desires to purchase the proper needle to be used therein the seller of needles very often does not know the size or shape of the needle required by the machine used by the buyer, this condition causing both delay and annoyance to the purchaser, as well as to the vender of needles.

My object is to provide a novel and improved chart which will enable one to determine quickly and with certainty the trade-name of any standard sewing-machine needle.

My improved chart is illustrated in the accompanying drawing.

As shown, the chart A illustrates five different types of needles having the standard type designations, such as "Small round shank," &c., printed, preferably, adjacent thereto. The needles of the same type overlap each other, as illustrated, for convenience in use as well as to economize space. The illustrations would in practice exhibit the needles in full size, and adjacent to the eye of each needle is printed the name, such as

"Singer low arm," &c., by which it is known in the trade. Instead of providing these names in the positions shown numbers or other reference characters may be placed adjacent to the eyes, which will refer to the proper names placed in any other convenient position with reference to the illustration.

To find out the name of a particular needle, it is placed over the illustration with which it conforms as to shape of shank and length, and the name thereon will at once become apparent.

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

1. A sewing-machine-needle-selecting chart showing the standard types and sizes of needles by full-sized illustrations, the illustrations of the needles having the same formation of shank being shown as superimposed with the shorter needles over the longer needles, whereby a needle may be placed on the illustration showing a corresponding shank formation and the size of the needle determined by noting the particular illustration with which it coincides.

2. A sewing-machine-needle-selecting chart showing the standard types and sizes of needles by full-sized illustrations, the illustrations of the needles having the same formation of shank being shown as superimposed with the shorter needles over the longer needles, whereby a needle may be placed on the illustration showing a corresponding shank formation and the size of the needle determined by noting the particular illustration with which it coincides and with the trade names or indications in suitable relative positions to the various illustrations whereby the trade designation of the needle may be determined.

JAMES H. BOYE.

Witnesses:

J. H. LANDES,
A. U. THORIEN.