

(No Model.)

C. BÜRGIN.

RECEIVING NEEDLE FOR STICKING ON OF PAPER SHEETS.

No. 539,215.

Patented May 14, 1895.

Fig.1.

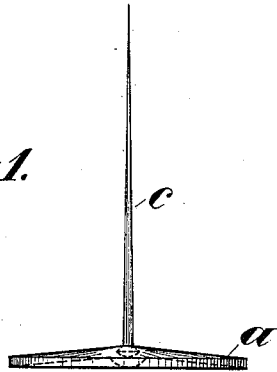


Fig.2.

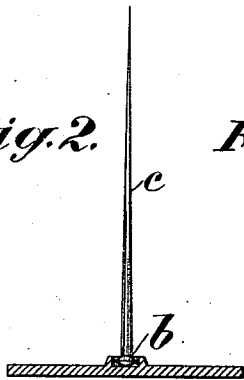


Fig.3.

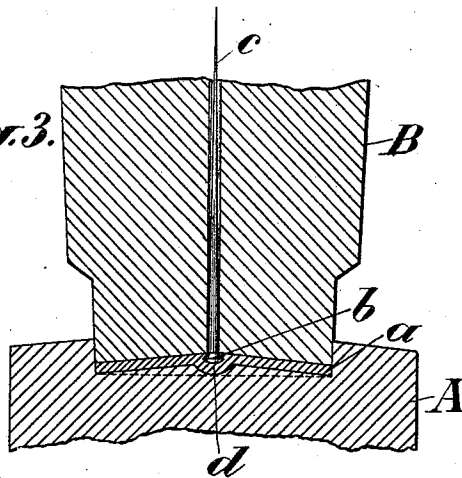
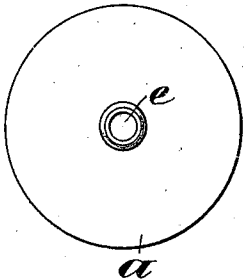


Fig.4.



Witnesses:

H. P. Brenner
J. M. Rowlette

Inventor:

C. Bürgin
BY *Georgel Rayner*
Attorneys.

UNITED STATES PATENT OFFICE.

CARL BÜRGIN, OF SCHAFFHAUSEN, SWITZERLAND.

RECEIVING-NEEDLE FOR STICKING ON OF PAPER SHEETS.

SPECIFICATION forming part of Letters Patent No. 539,215, dated May 14, 1895.

Application filed May 3, 1894. Serial No. 509,948. (No model.)

To all whom it may concern:

Be it known that I, CARL BÜRGIN, a citizen of the Republic of Switzerland, residing at Schaffhausen, Switzerland, have invented a certain new and useful Improvement in Receiving-Needles for the Sticking on of Paper Sheets, of which the following is a specification.

For the purpose of stacking and arranging sheets of paper, upon which lithographs or other printed matter is to be produced, in such a manner that the stack of sheets can be so cut that the impression will be precisely the same distance from the edge of the sheet in each case, the said sheets are mounted on pins which are passed through marks on the sheets, so that all the sheets will register absolutely correct. The pins for thus mounting the sheets are provided at their butt or base ends with a plate or disk by means of which the pins can be placed vertically on a suitable support.

Heretofore it has been customary to perforate the pins and provide them with central indentations on the under side, through which the pins are to pass, the butt end of the pin being then secured by means of solder. In use, these pins are placed on a suitable support and their entire under surface rested on the support.

The object of my invention is to provide a new and improved pin for the above-described purpose, which is simple in construction, is held in true vertical position when placed on the support and is lasting and durable.

The invention consists in a pin provided on its butt or lower end with a head placed in a recess in the upper surface of a disk, the walls of said recess or socket being clamped over the head of the pin, and said pin shaped so as to have a concavity on the under side, and a teat at the center on the under side, whereby when the pin is placed on a support the edges of the disk rest on the support and hold the pin vertically.

In the accompanying drawings, Figure 1 is a side view of my improved registry-pin. Fig. 2 is a side view of the parts in the process of assembling, the disk being shown in section. Fig. 3 is a similar view showing in section the disk and the punch and die for uniting the parts and shaping the disk. Fig. 4 is a plan view of the disk.

Similar letters of reference indicate corresponding parts.

The pin *c* is provided at its butt end with a head *b*. The disk *a* is provided in the center of its upper surface with a socket or recess *e* formed by an annular ridge projecting from the upper surface of the disk at the center thereof. The head *b* of the pin *c* is placed into said socket or recess and the disk *a* is placed on the die *A* shaped to receive the same. A punch *B* having a central aperture for the pin *c* is then forced down upon the disk *a* on the die *A* and presses the annular wall or ridge forming the socket or recess *e* over the pin-head, whereby said pin-head is clamped firmly and securely to the disk. At the same time, the under side of the disk is dished or concaved and provided with a central teat *d* below the head of the pin, the die *A* being shaped accordingly. The teat *d* projects down to, or almost down to the plane of the edge of the disk *a* so that when the pin is placed on a suitable support for use, the disk rests on its edges or on the edges and the central teat. The pin is held securely in the base-plate or disk, and is not apt to become loosened and under no circumstances, even when loosened, can it drop through the base-plate or disk, as in the pin used heretofore, as the base-plate or disk of my improved pin is not perforated.

The pin can be produced at less cost than the soldered pins, and in a more perfect manner.

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

The combination, with a pin having an enlarged head, of a base-plate or disk clamped onto the head of the pin and inclosing said head, said disk having a central teat at its under side, while the under side of the plate or disk is dished and has its rim flush with the end of the teat so as to afford a support for the device, substantially as set forth.

In testimony whereof I hereunto sign my name, in the presence of two subscribing witnesses, this 3d day of April, 1894.

CARL BÜRGIN.

Witnesses:

MORITZ VEITH,
H. RABHART.