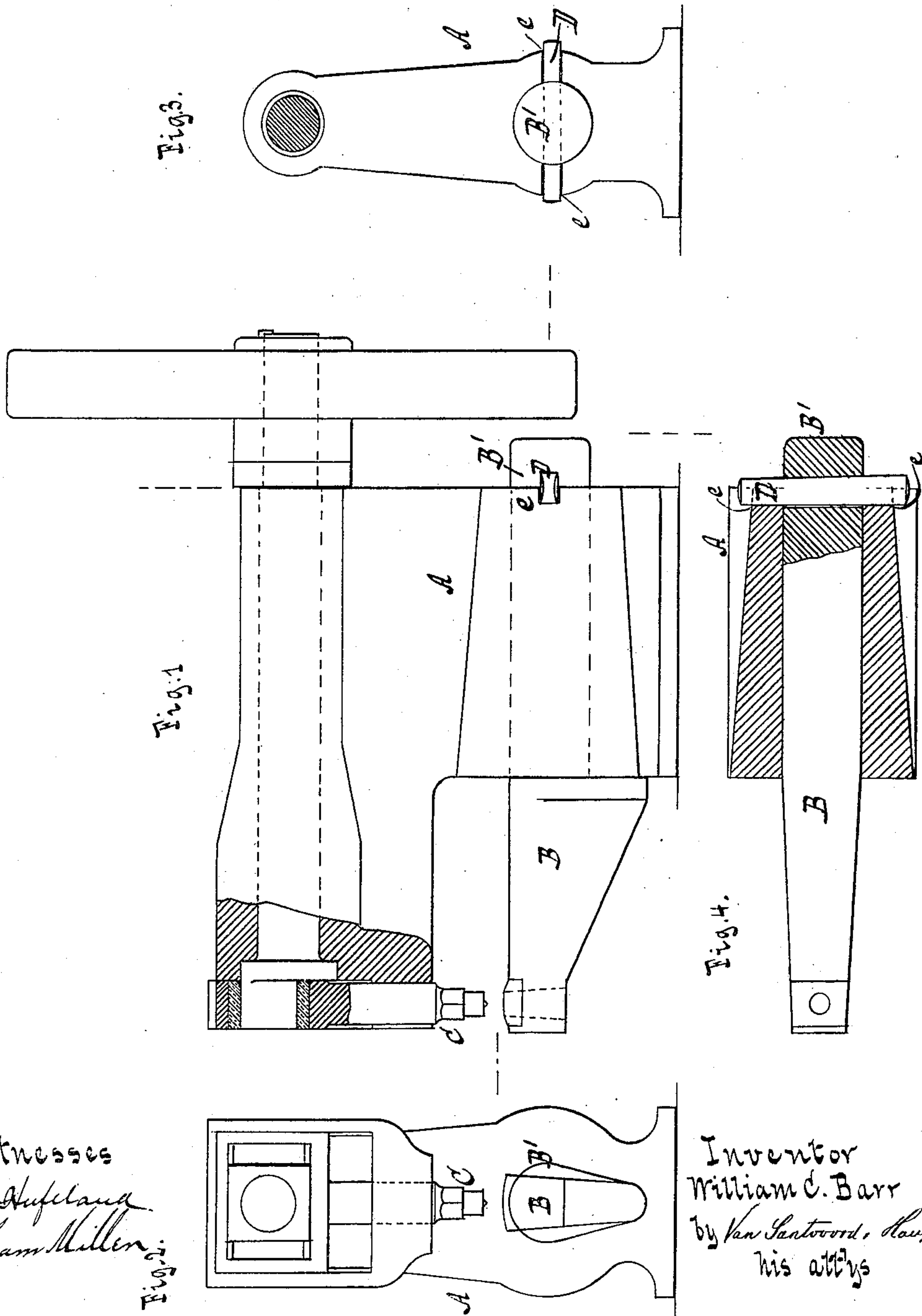


(No Model.)

W. C. BARR.
PUNCHING MACHINE.

No. 252,989.

Patented Jan. 31, 1882.



Witnesses
Otto Hufeland
William Miller
Fig. 2.

Inventor
William C. Barr
by Van Santvoord, Hawk
his attys

UNITED STATES PATENT OFFICE.

WILLIAM C. BARR, OF JERSEY CITY, NEW JERSEY.

PUNCHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 252,989, dated January 31, 1882.

Application filed September 7, 1881. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. BARR, a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented new and useful Improvements in Punching-Machines, of which the following is a specification.

My invention relates to improvements in punching-machines, and has for its object to provide a nose or die-holder which can be readily detached and replaced for the purpose of adapting the machine to punch different articles and for replacing the nose or die-holder by a new one in case it becomes broken. This object I accomplish by the construction of parts illustrated in the accompanying drawings, in which—

Figure 1 represents a side view, partly in section. Fig. 2 is a front end view. Fig. 3 is a rear end view. Fig. 4 is a horizontal section.

Similar letters indicate corresponding parts.

The letter A designates the machine-frame; and B, the nose or die-holder, detachably secured to the frame. The frame A is cast to the usual shape and carries the usual appliances for operating the punch C, while the nose B occupies the usual position on the frame. The means whereby the nose B is secured to the frame A consists of a wedge-shaped key, D, which is driven through a protruding por-

tion of the shank B' of the nose and enters notches *e* at the back of the frame, said shank of the nose being cylindrical and being fitted into a corresponding eye in the frame, the said notches by their engagement with the wedge preventing the nose or die-holder from turning in the machine-frame.

It will be seen that by changing the nose B the machine can be used for different kinds of work, while if the nose breaks it can be replaced by a new one for restoring the machine to a working condition, the other parts remaining intact.

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

The combination, with the machine-frame having a transverse opening or eye and side notches, *e e*, at the rear, of the nose or die-holder B, having its shank passed through said opening or eye, and the wedge D, extending through the shank and resting in the said notches, all substantially as and for the purpose described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

W. C. BARR. [L. S.]

Witnesses:

J. VAN SANTVOORD,
CHAS. WAHLERS.