

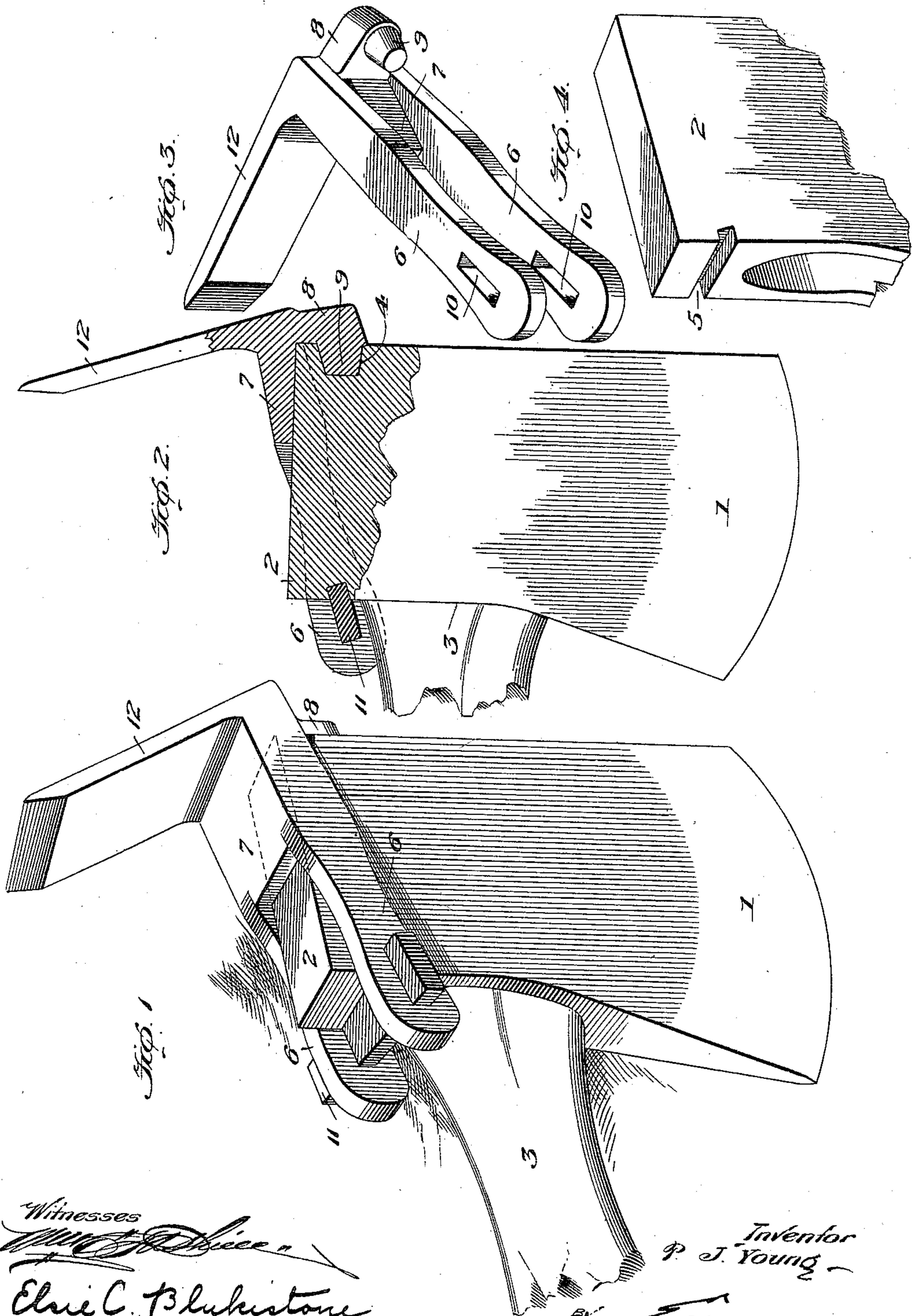
P. J. YOUNG.

AX.

APPLICATION FILED NOV. 15, 1910.

994,628.

Patented June 6, 1911.



Witnesses
Elsie C. Blukistone
C. P. Bungea

Inventor
P. J. Young

By *C. P. Bungea*
Attorney

UNITED STATES PATENT OFFICE.

PORUS J. YOUNG, OF CLENDENIN, WEST VIRGINIA.

AX.

994,628.

Specification of Letters Patent.

Patented June 6, 1911.

Application filed November 15, 1910. Serial No. 592,563.

To all whom it may concern:

Be it known that I, PORUS J. YOUNG, a citizen of the United States, residing at Clendenin, in the county of Kanawha and State of West Virginia, have invented certain new and useful Improvements in Axes, of which the following is a specification.

This invention relates to axes, and one of the principal objects of the invention is to provide an ax in which various tools may be readily connected to the head of the ax.

Another object of the invention is to provide an ax head and blade having a recess at one side thereof and a groove at the opposite side, said ax to be used in combination with a series of tools which may be detachably connected to the ax, said tools each being provided with means for attaching the same to the ax head.

These and other objects may be attained by means of the construction illustrated in the accompanying drawing, in which,

Figure 1 is a perspective view of an ax head having a tool connected thereto made in accordance with my invention. Fig. 2 is a side elevation and partial section of the same. Fig. 3 is a perspective view of a tool disconnected from the ax head. Fig. 4 is a detail perspective view of the ax head partially broken away.

Referring to the drawing the numeral 1 designates an ax blade and 2 is the head of the ax, while 3 is a helve. Formed in the outer edge of the head 2 of the ax is a tapering recess 4, while in the inner edge of the head a groove 5 is formed, said groove extending entirely across the head, as shown more clearly in Fig. 4.

The various tools to be connected to the ax head are each provided with parallel arms 6 connected by an inclined web 7. A lug 8 is formed on the web 7 and projecting inward from the lug 8 is a tapering stud 9, said stud adapted to fit the recess 4 in the ax head. Alined slots 10 are formed in the arms 6 and a wedge 11 is adapted to be driven through

the slots 10 to engage the groove 5 in the ax head for holding the tool in place. The tool 12 which may be either an adz, a grubbing-hoe, a pick, a chisel or other device may be connected to the ax head, in the manner described. To disconnect the tools from the ax head the wedge 11 is driven out and the stud 9 withdrawn from the recess 4. When it is desired to connect another tool to the ax head the stud 9 is first inserted in the recess 4 and the wedge 11 is then driven in place.

From the foregoing it will be obvious that my invention is simple in construction, will hold a tool firmly in place upon the head of the ax, can be quickly disconnected therefrom and another tool substituted.

I claim:

1. An ax head provided with a recess in one edge and a groove in the opposite edge, a detachable tool comprising parallel arms, an inclined web, a lug depending from the web, and a stud formed on the lug, said arms being provided with alined slots, and a wedge for holding the tool connected to the head of the ax.

2. An ax provided with a recess and a groove, a detachable tool connected to the ax, said tool having integral parallel arms provided with alined slots, a lug projecting from the tool to engage the recess, and a key engaging the slots in the arms and the groove in the ax.

3. An ax provided with a tapering recess in one edge of the head, and a groove in the opposite edge, detachable tools adapted to be connected to the ax head, said tools each being provided with parallel arms, an inclined web, a tapering stud to engage said recess, and a key for holding the tool detachably to the ax head.

In testimony whereof I affix my signature in presence of two witnesses.

PORUS J. YOUNG.

Witnesses:

J. F. SNYCHER,
WILL S. ROUSH.