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PATENTED JUNE 16, 1908.

A. H. MOULTON.

PUNCH.

APPLICATION FILED SEPT. 27, 1907.

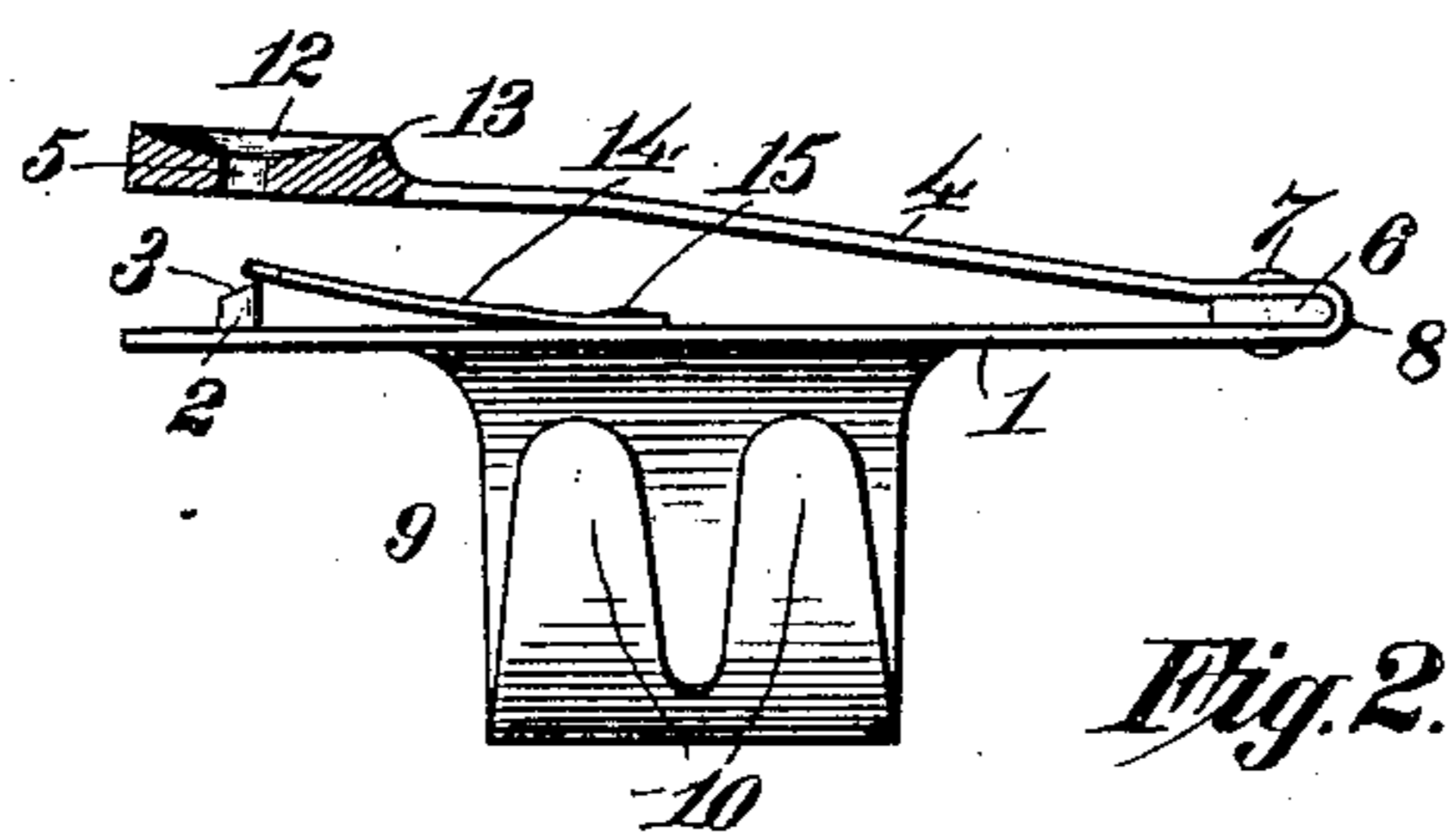
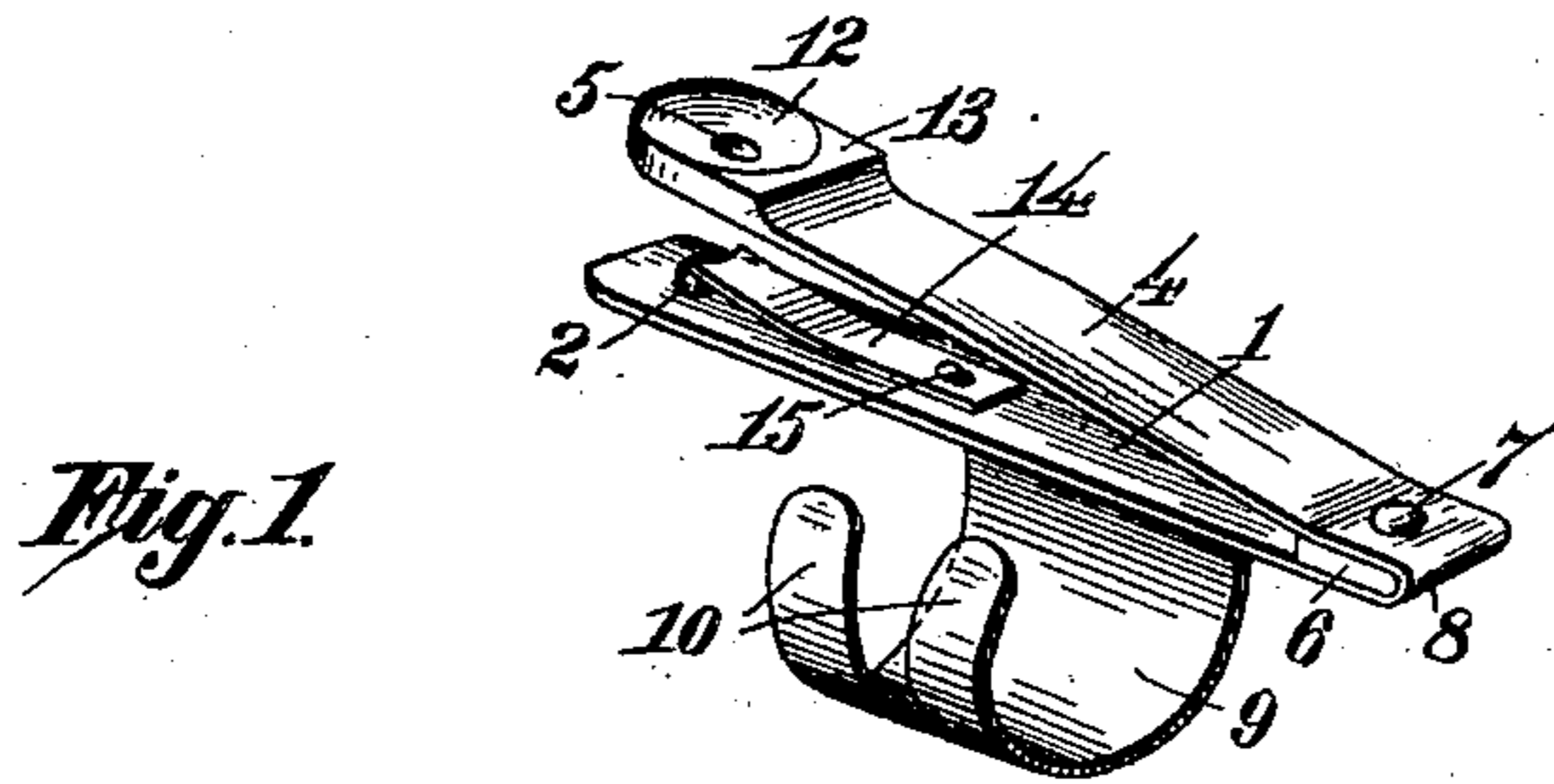


Fig. 2.

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UNITED STATES PATENT OFFICE.

ARTHUR H. MOULTON, OF CHICAGO, ILLINOIS.

PUNCH.

No. 890,995.

Specification of Letters Patent.

Patented June 16, 1908.

Application filed September 27, 1907. Serial No. 394,779.

To all whom it may concern:

Be it known that I, ARTHUR H. MOULTON, a citizen of the United States, residing in Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Punches, of which the following is a specification.

My invention relates to punches, and particularly to hand punches for punching paper, tickets or the like.

The object of my invention is to provide a punch of small dimensions to be worn upon and secured to the forefinger, permitting the free use of both hands for other purposes when not using the punch.

A further object of my invention is to provide a punch as mentioned, which may be adjusted to fit any size of finger.

A further object is to provide a punch of the character mentioned, which shall be of low cost to manufacture and which shall be durable and of such simple construction as to not readily get out of order.

A still further object is to provide a non-clogging punch.

Other objects will appear hereinafter.

With these objects in view, my invention consists generally in a punch comprising a plate carrying the male die member, a spring arm arranged above said plate and having the other die member formed thereon and a flexible non-elastic member for securing the punch to a finger.

My invention further consists in various details of construction and arrangements of parts all as will be hereinafter fully described and particularly pointed out in the claims.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification and in which,

Figure 1 is a perspective view of a punch embodying my invention in its preferred form and Fig. 2 is a side elevation partially in section of the punch.

Referring to the drawings, 1 indicates a metal strip or plate of a sufficient length and width to be worn upon the forefinger without materially interfering with the free use of the hand. Near one end of the plate, 1 is arranged the male die or punch member, 2 having the beveled upper cutting edge, 3.

4 is a spring arm arranged above the plate,

1 and having a hole, 5 near its end forming the other die member to cooperate with the die member, 2.

The members, 1 and 4 constitute the jaws of the punch and may be made of separate strips of metal but I prefer to form them of one piece as shown, the portion 4, being bent back over the portion, 1.

6 indicates a small block spacing the members apart, and 7 a rivet passing through said block and the members, 1 and 4. This forms a rigid connection between said members and is of great advantage when the jaws are formed of one piece, as otherwise the constant use of the punch would soon cause the members to break apart at the point, 8 where the strip has been bent.

The device is secured to the finger by a member 9. This is preferably formed integrally with the plate, 1 and comprises a strip or tongue of flexible non-elastic metal having a bifurcated end, 10. By this means the device may be fitted to any size finger by merely bending the tongue, 9. By pressing the ends, 10 more or less tightly upon the finger the punch may be adjusted to the finger so as to be worn with comfort. The end of the arm, 4 is provided with a concave portion forming a recess, 12, to receive the end of the thumb, and to prevent the member, 2 from contacting the thumb the end of the arm is thickened as at, 13.

14 indicates a strip of spring metal secured to the plate, 1 in any suitable manner as by rivets, 15. The free end of the spring arm, 14 is arranged adjacent to the punch member, 2 and normally extends a slight distance above the upper edge thereof as shown in Fig. 2.

In using the device the card, ticket or other article to be punched is placed between the die members and the end of the arm, 4 is depressed by the thumb, the cooperating die members punching a disk from the card. As the punch is compressed the spring, 14 is depressed below the upper portion of the die member, 2 but as soon as the arm, 4 is released the spring, 14 flies upwardly, flicking the disk or card from the die member, 2. This keeps the cutting edge of the die member clear at all times and prevents clogging of the punch.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. In a punch a plate having a male die member fixed thereon, in combination with spring arm arranged above said plate and having the other die member formed therein, 5 and a flexible non-elastic member formed integrally with said plate for securing the punch to the finger, substantially as described.

2. In a device of the class described a 10 metal strip bent back upon itself to form the jaws of a punch, in combination with coacting die members arranged upon the free ends of said strip and means formed integrally with said plate for attaching the punch to a 15 finger, substantially as described.

3. In a device of the class described, a plate, in combination with means for attaching said plate to a finger, a spring arm arranged above said plate and attached thereto at one end, coacting die members formed at the free ends of said plate and said arm, the end of said arm being thickened, and a concave recess formed in said thickened portion to receive the end of the thumb, the 25 thickness of said portion being greater than

the length of the male die, substantially as described.

4. In a device of the class described, a metal strip bent back upon itself to form the jaws of a punch, a block riveted between 30 the portions thus formed and at the closed end, coacting punching dies arranged upon said jaws and flexible non elastic means formed integrally therewith for securing the device to a finger, substantially as described. 35

5. In a device of the class described, a metal strip bent back upon itself to form the jaws of a punch coacting punching dies arranged upon said jaws, and a tongue extending laterally from one of said jaws and 40 bent to form means for attaching the punch to a finger substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ARTHUR H. MOULTON.

Witnesses:

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