

V. THESTRUP.
SHEET BUCKLING TOOL.
APPLICATION FILED APR. 4, 1914.

1,108,024.

Patented Aug. 18, 1914.

Fig. 1.

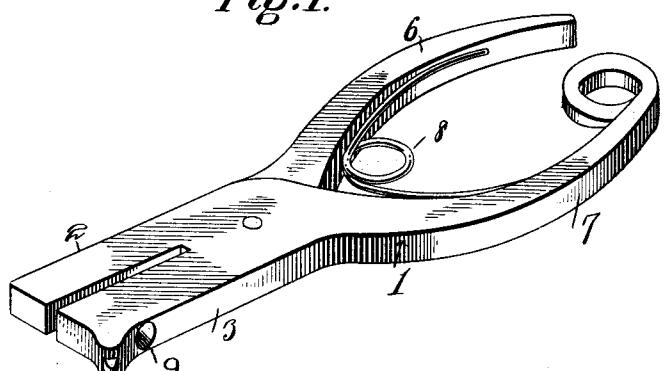


Fig. 2.

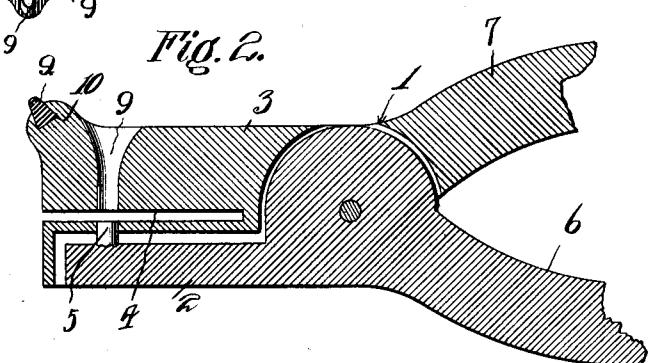
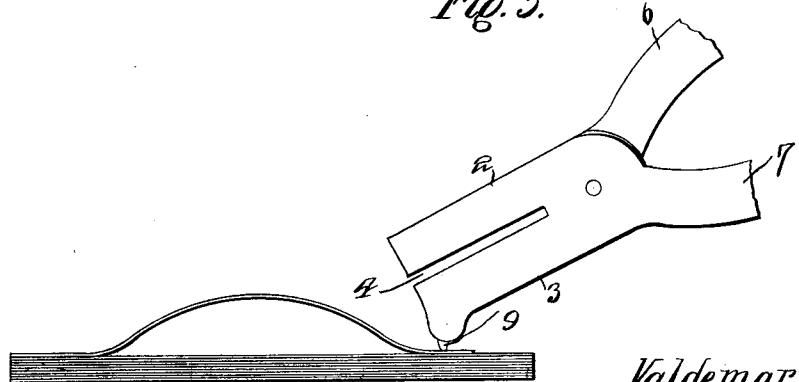


Fig. 3.



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UNITED STATES PATENT OFFICE.

VALDEMAR THESTRUP, OF OMAHA, NEBRASKA.

SHEET-BUCKLING TOOL.

1,108,024.

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Application filed April 4, 1914. Serial No. 329,547.

To all whom it may concern:

Be it known that I, VALDEMAR THESTRUP, subject of King of Denmark, residing at Omaha, in the county of Douglas and State of Nebraska, have invented new and useful Improvements in Sheet-Buckling Tools, of which the following is a specification.

This invention relates to improvements in sheet buckling tools, and particularly to 10 buckling means applicable to ticket punches of that character commonly employed by conductors of street cars for punching transfer tickets.

The primary object of the invention is to 15 provide a tool with means whereby the upper transfer of a pack may be frictionally engaged and easily separated from the remainder of the pack, thereby avoiding possible sticking of the transfers together, as 20 well as the objectionable and unsanitary practice now in vogue of the conductor moistening his finger or thumb in order to grip and turn the free end of the upper transfer ticket back.

25 The invention consists of the features of construction, combination and arrangement of parts herein fully described and claimed, reference being had to the accompanying drawing in which:—

30 Figure 1 is a perspective view of a buckling tool embodying my invention. Fig. 2 is a detail section through a portion thereof on an enlarged scale. Fig. 3 is a view illustrating the mode of use of the device.

35 Referring to the drawing, 1 designates a buckling tool, shown herein as embodied in a punch of the character described, having the male and female jaws 2 and 3, respectively, the jaw 3 being provided with the 40 usual longitudinally transverse slot 4 to receive the free end of the transfer ticket, so that the same may be punched by the action of the punch die 5. The die 5 is adapted upon the compression of the handles 6 and

45 7 against the resistance of the closing spring 8 to pass through a portion of the inserted end of the ticket and center a clearance recess 9 in the jaw 3, and through which clearance recess the punched out portion of 50 paper is ejected.

As is well known, the street car transfer tickets in common use are put up in packs, tickets of the pack being bound at one end in superposed relation. In dispensing a 55 transfer, it is necessary for the conductor to lift the free end of the uppermost ticket

above the next adjacent ticket in order to insert it in the slot 7. This end of the uppermost ticket often clings by cohesion or sticks to the next adjacent ticket, and in order to free it the conductor frequently resorts to the obnoxious and unsanitary practice of moistening his thumb or finger with saliva so that he may firmly engage the ticket to free it so that it may be punched. It is the purpose of my invention to provide means whereby this objectionable practice may be overcome and the conductor enabled to free the ticket in a ready and expeditious manner.

The means employed for carrying out my invention consists of the application to the punch of an element having certain adhering or frictional gripping properties, which is disposed upon a punch in such position that it may be pressed against the free portion of the upper ticket so that the latter may be moved laterally and freed from the upper ticket, and at the same time disposed in proper position to be punched. This element preferably consists of a substantially triangular block 9 of rubber, which is fitted within a dove-tailed triangular slot 10 in the nose portion of one of the jaws, preferably the jaw 3. The slot 10 extends transversely of the jaw and opens at its ends through the sides of the jaw, so that the impinging block or element 9 may be applied and removed by a relative endwise movement. The apex portion of the slot opens through the nose of the jaw, and through this portion of the slot the apex portion of the rubber block projects to a desired degree, so that its point portion may be brought into engagement with the transfer.

In the use of the device, it will be understood that the conductor holds the pack of transfer tickets in his left hand and with the free ends of the tickets projecting in a direction toward the fingers, the thumb being disposed above the pack and the fore finger beyond one side of the pack, so that the free end of the upper transfer may be pressed laterally beyond one side of the pack and at the same time slightly elevated so that it may be engaged by the punch. It frequently happens that the upper ticket sticks or clings to the next ticket by cohesion, rendering it obligatory upon the conductor to pursue the objectionable practice before described. This is overcome by the

use of my invention, as the conductor by merely bringing the rubber impinging member in engagement with the upper transfer and exerting lateral pressure will separate 5 the transfer and project its free edge beyond one side of the pack, so that it may be held between the thumb and fore finger for the punching action. When the rubber impinging block becomes worn through use it may 10 be forced out of the dove-tailed slot and another inserted in its place in a ready and convenient manner.

I claim:

1. A sheet buckling tool provided with a 15 dove-tailed recess, and an impinging mem-

ber comprising a rubber body inserted within said recess, and projecting partially therefrom for engagement with a ticket.

2. A sheet buckling tool provided with an offset formed with a transverse, dove-tailed 20 recess, and a rubber impinging member comprising a triangular block fitted in said recess and projecting partially beyond said offset portion for engagement with a ticket.

In testimony whereof I affix my signature 25 in presence of two witnesses.

VALDEMAR THESTRU.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."