

DE DONATO Emile

(1881 -)

Obersteinbach/Alsace (FR)

Patents (details)

1 - Selbsttätige Drahtseilklemme und Gestell zur Mitnahme der Wagen auf Seileisenbahnen

LU patent	11417
Application date	5 May 1919

(Copy to be obtained from Archives nationales)

2 - Improvements in or relating to machines for shearing metal

GB patent	290451
Application date	31 May 1927

This invention relates to machines for shearing metal and more particularly to the adjustability and construction of the cutters in such machines.

It is already known in metal shearing machines to adjust the lower cutter horizontally by displacement of the cutter slide-rest by means of screws or adjusting keys. The adjustment in these known arrangements is only possible in one direction. On changing the shearing cutters a wedge must therefore be removed and the cutter slide-rest shifted back each time by hand or by screws. Adjusting of the cutters in the vertical direction is hitherto possible only by the use of packing placed under the cutters. This kind of adjustment entails a considerable waste of time and is also inadequate and defective.

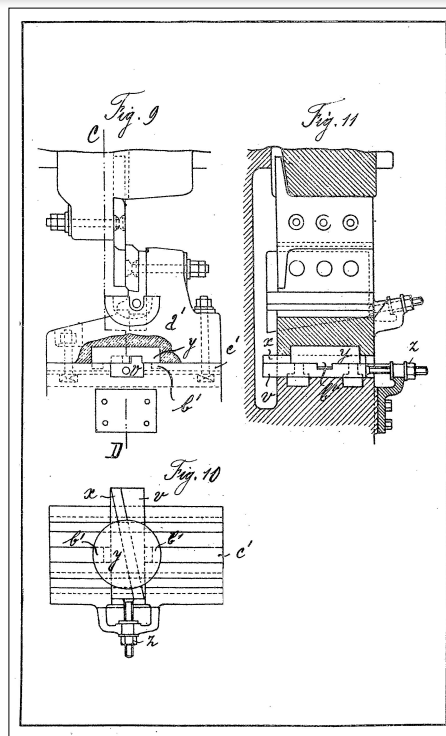
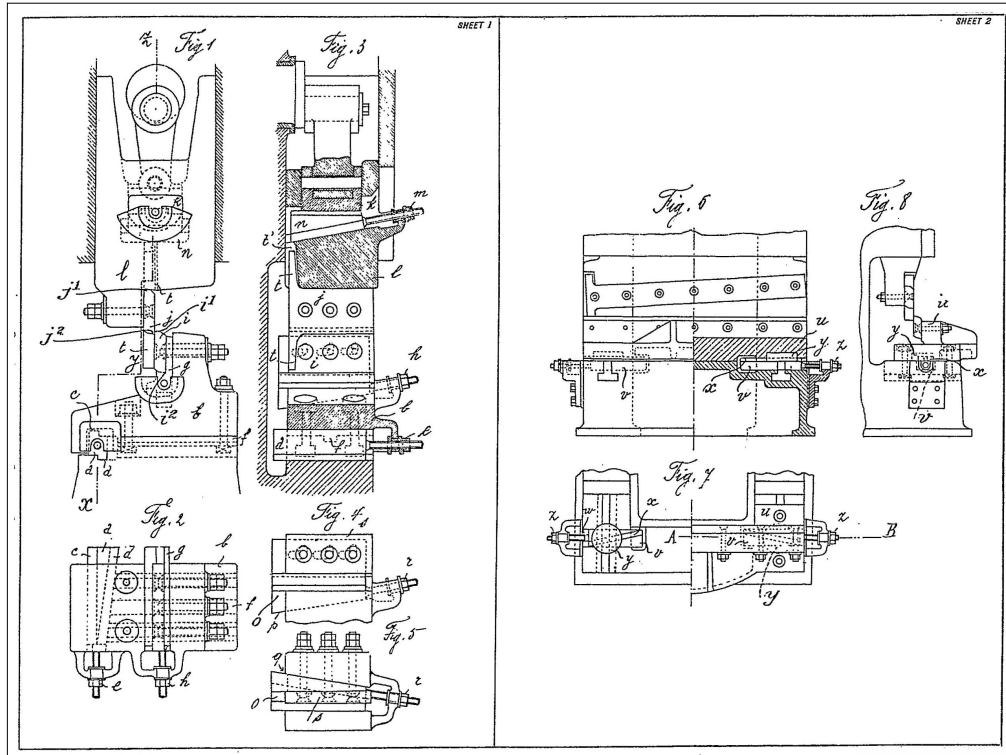
According to the present invention the adjusting wedge serving for the horizontal adjustment of the lower cutter is so constructed and supported between the table and the slide-rest carrying the cutter that the slide-rest and the lower cutter can be moved forwards or backwards on adjustment of the wedge in one or other direction.

Further, adjusting wedges are provided for the vertical adjustment of the cutters and the saddle piece carrying the lower cutter is conveniently constructed as an adjusting wedge whilst for vertical adjustment of the upper cutter an adjusting wedge is provided between the slide and the pressure block carrying the same by means of which the slide can be raised or lowered.

Further, the invention contemplates the use of an adjusting wedge for shearing with two movable cutters which are provided with two inclined surfaces in such manner that the cutters can be simultaneously adjusted in two directions, namely horizontally and vertically by displacement of the wedge.

Finally the cutters according to the present invention are provided with two cutting edges and are secured reversibly so that either one or the other of the cutting edges can be brought into use.

The present shearing machine has the advantage that a quick change of cutters is rendered possible by simple hand manipulation, an exact and fine adjustment and therefore a clean cut whilst a change of saddle-pieces or wedges as well as the use of packing is unnecessary. Finally owing to the use of two cutting edges and the reversibility of the cutters, the life of the cutters and the efficiency of the machine are considerably increased.



Corresponding patents

DE, FR

3 - Ingot tilter

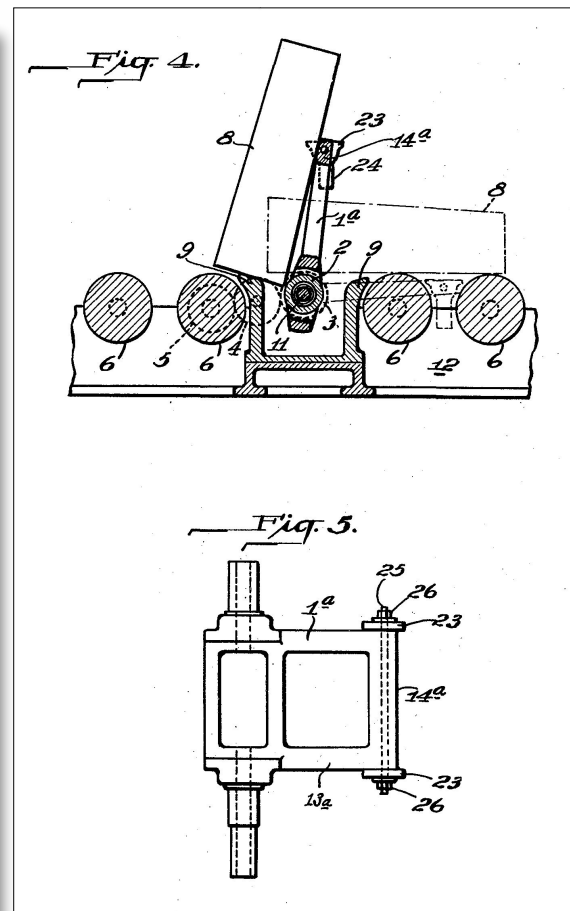
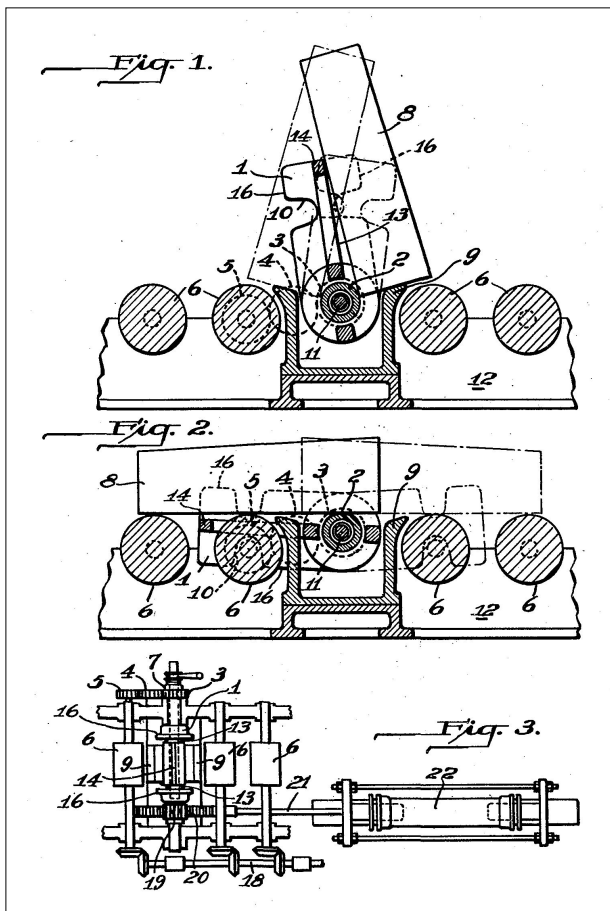
US patent 1930420
Application date 9 August 1933

My invention relates to ingot manipulating apparatus and more particularly to what is known in the rolling mill art as an ingot tilter which is used for laying an ingot down on a feed or roll table after it has been deposited on such a table in an upright manner by a crane or similar transferring apparatus.

In the early ingot filters only one pot was provided for the reception of an ingot and such filters were capable of manipulating an ingot in one direction only, the bottoms of such filters being so constructed that they obstructed the movement of the ingot in the other direction.

In some early filters, however, two pots were provided, one of which was capable of tilting an ingot in one direction and the other of tilting it in the opposite direction. These, however, were rather complicated as compared with the single pot filters, and like the latter they always delivered the ingot with the same end forward, which is frequently objectionable, as conditions often occur which render it desirable to enter the opposite end of the ingot in the mill.

...
With these various drawbacks of the prior ingot filters in mind it is the object of my invention to provide an apparatus which is simple, sturdy and dependable of construction, and which is free of all of the aforementioned faults, being adapted to receive ingots independently of the movement of the feed table in which it is mounted, to deposit the ingot on the table in either direction with either end forward, and to up-end the ingot after it has been lowered onto the table.



Corresponding patent

DE

4 - Elektro-Motoren mit Reduktionsgetriebe

LU patent 19894
Application date 21 August 1933

(Copy to be obtained from Archives nationales)

5 - Radsatz, insbesondere für Eisenbahn, Straßenbahn und Grubenwagen

LU patent 21704
Application date 8 August 1935

(Copy to be obtained from Archives nationales)

6 - Perfectionnements aux mitrailleuses et aux canons-mitrailleurs

FR patent 863842
Application date 16 October 1939

La présente invention apporte aux mitrailleuses et aux canons-mitrailleurs des perfectionnements qui permettent de réduire considérablement les effectifs nécessaires pour servir ces armes. De plus, la disposition de cellules photo-électriques permet le fonctionnement automatique de ces armes, les différentes manœuvres s'effectuant automatiquement sous l'action de servo-moteurs pouvant être actionnés à distance électriquement.

Résumé

Perfectionnements apportés à la manœuvre des mitrailleuses et canons-mitrailleurs, permettant de réduire les effectifs, les manœuvres de pointage aussi bien horizontalement que verticalement étant obtenues au moyen de moteurs électriques commandés à distance ou par une cellule photoélectrique et l'actionnement du mécanisme de percussion est réalisé au moyen d'un moteur électrique, commandé par une cellule photo-électrique ou par un contact actionné à distance; la mitrailleuse est munie d'un masque fixe et d'un masque mobile de protection; plusieurs mitrailleuses peuvent être jumelées et commandées simultanément ou individuellement en déviation horizontale et verticale des axes de tir.

