

Title (en)
Method and apparatus for lagging reels.

Title (de)
Verfahren und Vorrichtung für das Nageln von Dauben an einer Haspel.

Title (fr)
Procédé et machine pour douver un touret.

Publication
EP 0144765 A2 19850619 (FR)

Application
EP 84113332 A 19841106

Priority
FR 8317806 A 19831109

Abstract (en)
1. A method for lagging a reel (1) comprising a drum and lateral cheeks, by means of a succession of planks (12) placed edge to edge, the assembly being further surrounded by at least two steel belts (10a, 10b), the method including the following steps : a - a small restricted number of planks, at least one plank, is positioned and nailed on the cheeks of the reel, b - one end of each steel belt is nailed onto at least the first one of said planks (12a) at some distance from the two lateral cheeks of the reel respectively, c - the other planks are positioned successively and following to the first ones without being nailed, the steel belts serving as magazine support, said belt surrounding the reel along an entire turn and the planks being positioned one against the edge of another between the circumference of both cheeks and the steel belts, characterized in that the steel belts run around the reel according to a diameter which slightly exceeds that of the cheeks of the reel plus twice the thickness of the planks, d - and that, the positioning of the planks being achieved, the number of which is predetermined and is chosen at least equal to the number of planks that can naturally be placed all around the reel, taking into account the tolerance on the diameter of the reels, a traction effort is applied to the steel belts which is sufficient to compress all the planks such that they thrust all against the cheeks of the reel ; e - the free portion of the belts, overlapping on the ends which have been nailed on the first plank, is nailed, and then the belts are cut.

Abstract (fr)
Le procédé consiste à placer sur un touret (1), les unes à la suite des autres des planches (12) et à cercler le tout par deux rubans d'acier tels que (10a). Afin de faire en sorte que les planches soient bien jointives, on place la première planche (12a) sur le touret, on la cloue et on cloue également les rubans d'acier sur cette première planche et ensuite, on fait tourner le touret en plaçant, sans les clouer, les planches et en faisant avancer les rubans d'acier plus rapidement que la vitesse tangentielle de l'extrémité clouée sur la première planche (12a). Lorsque l'on a placé toutes les planches, on arrête l'avancée des rubans d'acier, et on exerce une traction sur ces rubans en continuant à tourner le touret. On cloue alors les rubans d'acier en recouvrement des extrémités déjà clouées puis on coupe les rubans. On effectue alors de préférence un nouveau tour de touret afin de clouer quelques planches et de clouer, par-ci, par-là, les rubans d'acier sur les planches. La machine comprend un convoyeur (11) d'amenée des planches, deux bras transferts tels que (14a) pour prendre les planches et les disposer sur le touret, des moyens d'amenée (15, 16) et de guidage (9) des rubans d'acier, des moyens de blocage (17a, 17b) de ruban, des cisailles (18), des cloueuses (5, 6).

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