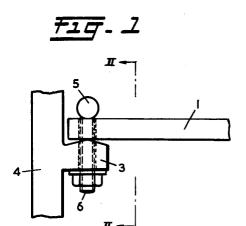
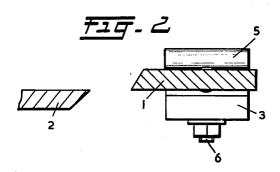
SHEARS CONSTRUCTION FOR CUTTING A WEB OF MATERIAL Filed May 21, 1963





Cornelis Sol

INVENTOR.

Muson, Portas, Wille Strumt

1

3,215,018 SHEARS CONSTRUCTION FOR CUTTING A WEB OF MATERIAL

Cornelis Sol, Westzaan, Netherlands, assignor to N.V. Machinefabriek "Verwachting," Wormer, Netherlands, a corporation of the Netherlands

Filed May 21, 1963, Ser. No. 281,955
Claims priority, application Netherlands, May 23, 1962,
278,767

2 Claims. (Cl. 83-

The present invention relates to a shears construction for cutting a web of material, for example, for severing from a web of material, wrappers for a packaging machine.

In the conventional shears construction, which com- 15 prises a stationary blade and a movable blade cooperating therewith, the difficulty is encountered that in fixing the stationary blade no tensions must be generated, because this might cause deformations of the blade, which might resulting in an unsatisfactory cutting action.

It is an object of this invention to avoid this danger by the provision of an improved shears construction.

To this effect, in the shears construction according to the invention, the stationary blade is held between linear 25 contact clamping means at each of the two ends only.

In illustration of the invention, an embodiment of the shears construction will be described with reference to the drawings, in which—

FIG. 1 is a diagrammatic side view of the stationary 30 blade of the shears construction and

FIG. 2 is a vertical section taken on the line II—II in FIG. 1.

Referring to the drawings, the stationary blade 1, which cooperates with the movable blade 2, rests at each of its ends with linear contact on a support 3 of the frame 4, and is clamped on the support 3 by the cylindrical head 5 of the bolt 6, the said head extending at a right angle to the body of the bolt and to the cutting edge of the blade. The support 3 is formed with an upper surface having two slopes intersecting to form a ridge.

By virtue of the two ends of the stationary blade 1 being held with linear contact only, in fixing the blade, tensions are prevented from being generated, which would 45 cause a deformation of the blade.

It will be evident that attachment of the ends of the blade by linear contact only can also be realized in manners different from the embodiment described with-

out endangering the effect which is the object of such attachment.

I claim:

1. In a shears construction for cutting a web of material, a frame having spaced supports with each of said supports having sloping surfaces meeting in a ridge and a blade affixed to each of said supports by a bolt, each of the bolts having a cylindrical head disposed perpendicular to its shank with the longitudinal central axis of each of the cylindrical heads being disposed in the same vertical plane as the ridge of each of said supports and transverse to a cutting edge of said blade, whereby said blade engages said frame only by the linear contact of a face of said blade with the ridge of said supports.

2. A shears construction for cutting a web of material comprising a frame having spaced supports with each of said supports having sloping surfaces meeting in a ridge, a first blade affixed to each of said supports by a bolt, and a second blade mounted for movement into temporary endanger the proper cooperation with the movable blade, 20 contact with said first blade, each of the bolts having a cylindrical head disposed perpendicular to its shank with the longitudinal central axis of each of the cylindrical heads being disposed in the same vertical plane as the ridge of each of said supports and transverse to a cutting edge of said first blade, whereby said first blade engages said frame only by the linear contact of a face of said first blade with the ridge of each of said supports.

References Cited by the Examiner

UNITED STATES PATENTS

CIVILED BITTLES TRILLING				
	13,153	7/55	Adamson	83—349
35	459,733	9/91	Barber	85—9
	490,777	1/93	Trethewey	83694
	901,892	10/08	Davidson	83-349
	1,579,672	4/26	Strecker	85—9
	1,631,879	6/27	Molins	83349
10	1,660,950	2/28	Zimniewiez	83349
	1,803,580	5/31	Williams	83694
	1,898,202	2/33	Murray	859
	2,037,330	4/36	Jackson	83—349
	2,081,363	5/37	Meisel	
	2,682,996	7/54	Forman	83—349
1 5	2,870,840	1/59	Kwitek	83349
	3,017,795	1/62	Joa	83349
				_

ANDREW R. JUHASZ, Primary Examiner.

HUNTER C. BOURNE, JR., WILLIAM W. DYER, JR., Examiners.