

魔法の織機

G型自動織機は、高速運転中にスピードを落とすことなく枠を交換してよこ糸を自動的に補給する自動枠換装置をはじめ、各種の自動化、保護・安全および衛生等の機構・装置が装着され、生産性や織物品質で世界一の性能を発揮しました。

G型自動織機は、「マジックルーム(魔法の織機)」と呼ばれ、海外でも高く評価されました。

Magic Loom

Toyoda Automatic Loom, Type G was equipped with the automated shuttle-changing mechanism that changed the shuttle without slowing down during high-speed running, as well as a variety of other mechanisms and devices for "Jidoka", protection, safety, and hygiene, and demonstrated the world's best performance in terms of productivity and fabric quality.

Toyoda Automatic Loom, Type G was called the "Magic Loom" and was highly praised overseas.

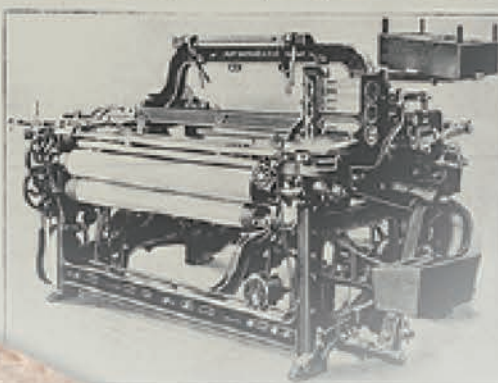
Referring that modern conditions are requiring the adoption of automatic looms for which acquiring one class of skill only means, Platt Bros. are ready to supply this machine to the trade.

THE "PLATT TOYODA" SPEED AUTOMATIC

THE "PLATT TOYODA" is the name given to the new automatic loom being made by Messrs. Platt Brothers, of Oldham. It is a Japanese loom designed and intended to run at 750 picks per minute. Shuttle changing, when the pick runs empty, and also when the wick breaks, is absolutely automatic.

... does not require that minute accuracy of setting, neither is there any doubt about the changing motion operating since the wick enters the pick slot.

... is a more... sketch of a... measurements of... with the shuttles be... in their working posi... or margin to allow an... movement of shuttles... when the magazine is filled... loaded shuttles (it holds... plunger pushes the bottom... seats the... or does... always a shuttle... the next change...



英国紡績協会「The Cotton Industry of Japan and China」(1929年)
British Textile Association "The Cotton Industry of Japan and China" (1929)

日本と中国の紡織事業の実態の詳細な記述の中に、G型自動織機が登場します。織物工場での高能率な操業の様子と共に、日本人は単なる模倣者ではないと記載されています。

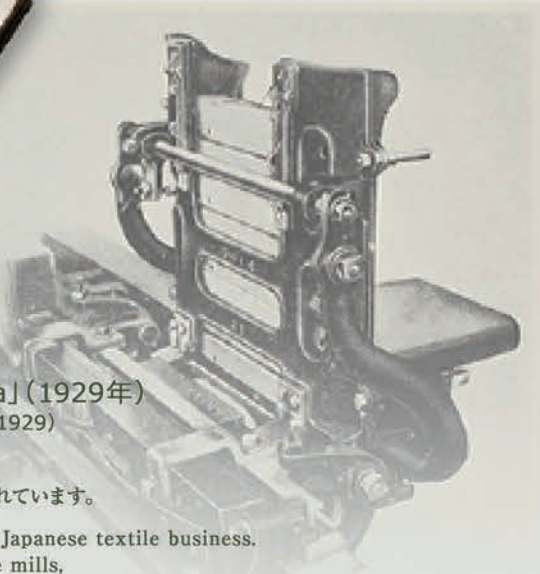
Toyoda Automatic Loom, Type G appears in the detailed description of Japanese textile business. Along with the description of highly efficient operations in some textile mills, it also states that the Japanese are not imitators.



テキスタイルマーキュリー誌(1930年)
Textile Mercury Magazine (1930)

織機を販売するために来日した代表者は、豊田の工場を見た後、日本には外国製の織機が入り込む余地はないとコメントし、次の船で帰国したと記載されています。

It is stated that the representative who came to Japan to sell their looms, after seeing the factory in Toyoda, commented that he could not sell foreign-made looms in Japan and returned home on the next ship.



世界に認められたG型自動織機

世界の繊維機械業界をリードしていた英国プラット・ブラザーズ社は、日本に視察団を派遣し、G型自動織機の優秀さを認め、特許権譲渡を申し入れてきました。

日本人の発明が世界に認められたことで、「わが国発明界の誇り」と新聞で紹介されました。

Toyoda Automatic Loom, Type G recognized around the world

Platt Brothers & Co., Ltd., a British company that was the leader in the global textile machinery industry, sent the delegation to Japan to inspect the actual circumstances, recognized the superiority of Toyoda Automatic Loom, Type G, and offered to transfer the patent rights to it.

It was reported in the newspaper as the pride of Japanese inventors, because it was recognized around the world.



豊田・プラット譲渡契約書
Toyoda-Platt Transfer Agreement

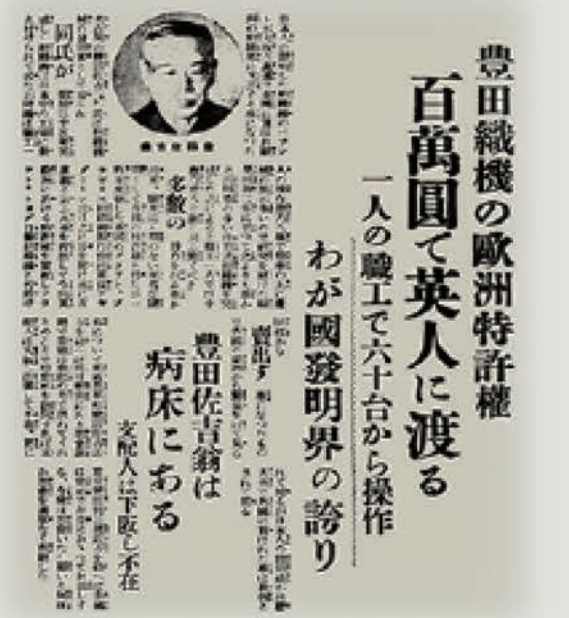


豊田・プラット特許権譲渡契約調印
Toyoda-Platt patent transfer agreement signed



英国プラット・ブラザーズ社の視察団
Inspection team from Platt Brothers & Co., Ltd. in the UK

新愛知新聞の記事
Article from the Shin Aichi Shimbun
1930年(昭和5年)6月21日付 新愛知新聞
Shin Aichi Shimbun, June 21, 1930



change the world
Part 3
TOYODA AUTOMATIC LOOM, TYPE G
100th ANNIVERSARY

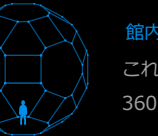
世界を変える

Change the world

館内企画展アーカイブ

バーチャル展示室

THE VIRTUAL
EXHIBITION ROOM 360



館内企画展アーカイブ **バーチャル展示室360** > <http://www.tcmit.org/360virtual/>

これまでにトヨタ産業技術記念館で開催した企画展をご紹介します。デジタルアーカイブです。

360度VRコンテンツで、臨場感溢れるバーチャル展示をお楽しみください。



トヨタ産業技術記念館

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