

Early international milling exhibitions

Milling journals of the past at The Mills Archive

by Mildred Cookson, The Mills Archive, UK



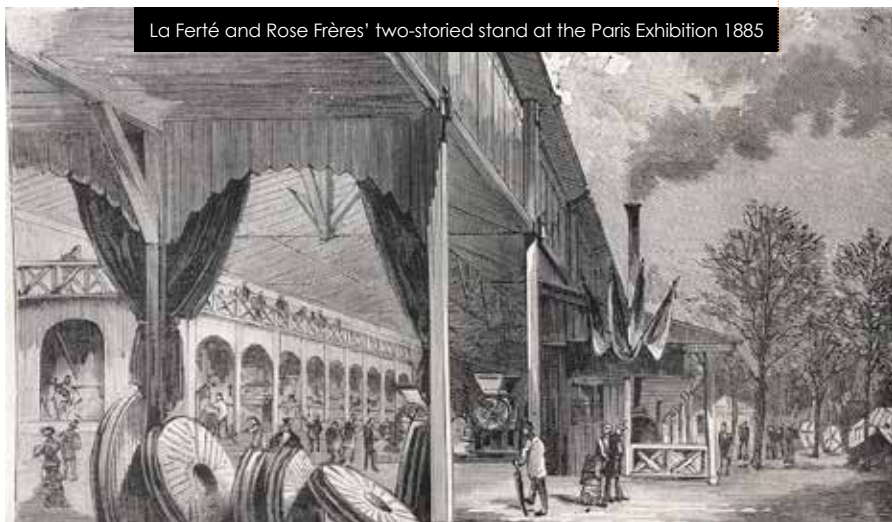
We see and read today in Milling and Grain reports of international exhibitions visited around the world. Although today their focus is on modern milling equipment, their purpose has always been the same, to attract the owners of mills to see how they can improve their output and keep up with the times.

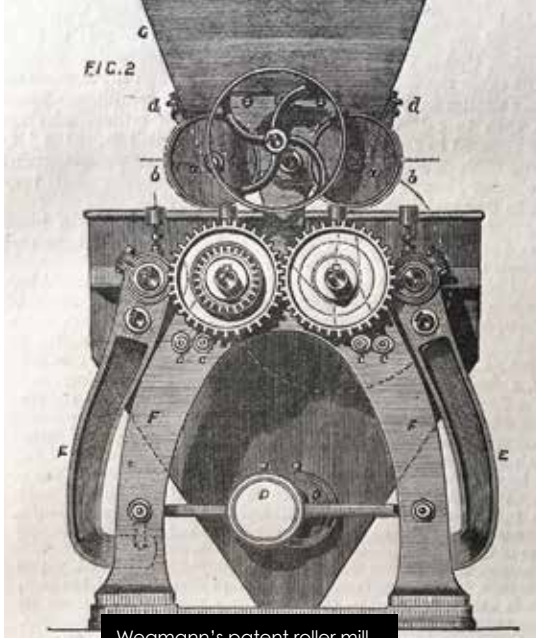
Keeping up is nothing new. In fact, in the first year of publication of *The Miller* in 1875, we read about the International Milling Exhibition in Vienna in the August of that year. As well as showing off the latest milling machinery, the event was noted for the weather, a steady downpour of rain. However, “inside the building order reigned instead of chaos, and along with the sounds of music were only to be found and heard the sober broadcloth and the earnest murmurs of those whom business, and not pleasure, had attracted to the scene”.

The report commented that the excellence of Hungarian flour and Vienna beer was proverbial and, making due allowance for the climatic advantages, “some praise is due to the machinery by which this degree of excellence has been obtained”.

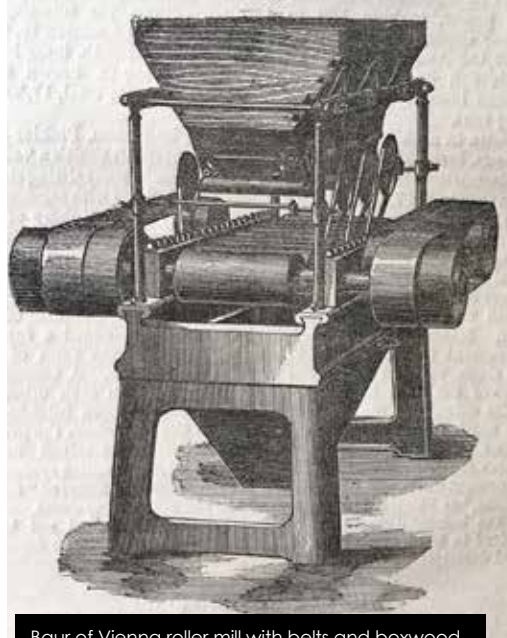
There were around 150 exhibitors. The first seen on entering featured a centrifugal bolting machine by Nagel & Kaemp of Hamburg, which depended on centrifugal force for its effect. Within the outer

cylinder, which was covered with silk gauze of different meshes and revolved slowly, was an inner one moving with great velocity. This second, inner cylinder was fitted at its periphery with zinc vanes, which took up the meal and flung it against the inner sides of the outside cylinder. Every particle of meal went in a spiral line with the coarser portions, not finding any opening in the silk gauze, passing on until they fell out at the end of the cylinder. There were many displays of different rollers mills, including the variations, alterations and so-called improvements to the original invention by Wegmann. These included Wegmann’s patent, constructed by Gaaz and Co of Budapest, which featured a lever arrangement for disconnecting the two outside rollers, instantly throwing them out of contact with the two inside ones. This arrangement offered the advantage of enabling the start of the two

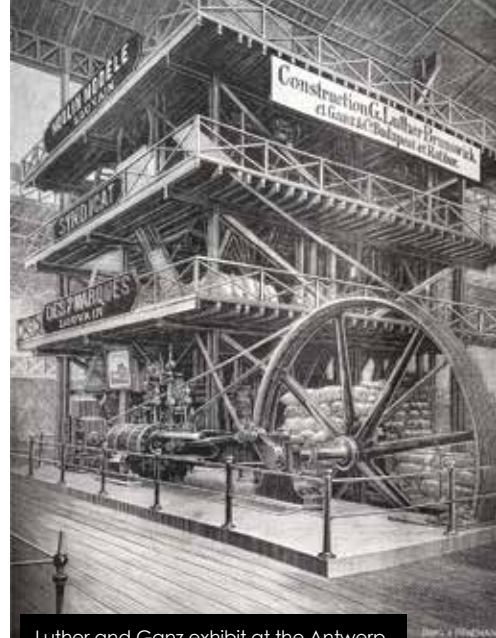




Wegmann's patent roller mill



Baur of Vienna roller mill with belts and boxwood bearing



Luther and Ganz exhibit at the Antwerp Exhibition 1885

inside rollers with reduced power and as soon as they were in full motion the outer ones could gradually be brought into contact with them.

Baur of Vienna exhibited a roller mill with bearings made of boxwood on a moveable rail, claiming it did not need lubricating. Although it looked a promising invention, readers were warned that it had yet to be proven. Similarly, Mr Topham of England and Messrs Pickler Brothers of Vienna exhibited recent applications of their new steel chilled roller systems, although it was admitted that these still had to have their trials proved.

The Viennese firms of Pickler Brothers and Israel Brothers

introduced improvements to the use of millstones by modifying the lower bed stones. Their systems were respectively called a "sifting nether stone with wire gauze insertion" and a "patent sifting stone". Pickler Brothers had then gone on to improve the concept by adding a refinement to the upper runner stone, which they introduced as a "roller millstone" concept, combining the old and new systems. A concentric portion of the stone was removed and, in a line with each other on opposite sides, pairs of conical cast steel rollers were introduced to crush the grain before it was carried to the part where the grinding and sifting started.

A decade later, the 1885 Antwerp International Exhibition was

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The history of milling - no matter where it has taken place - is being archived by the Trust.

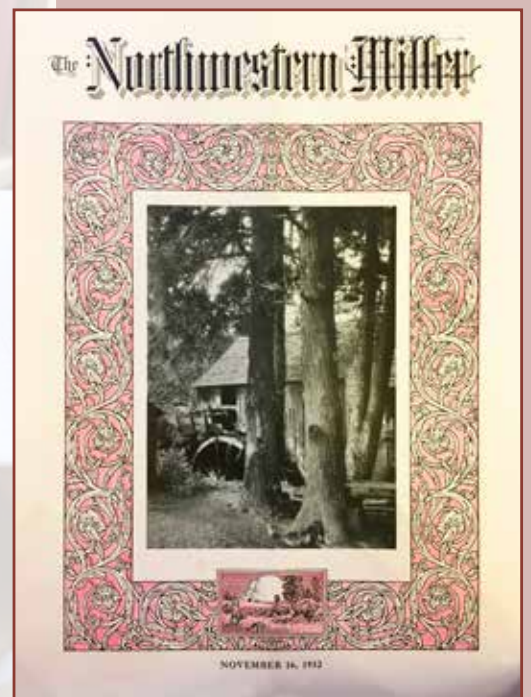
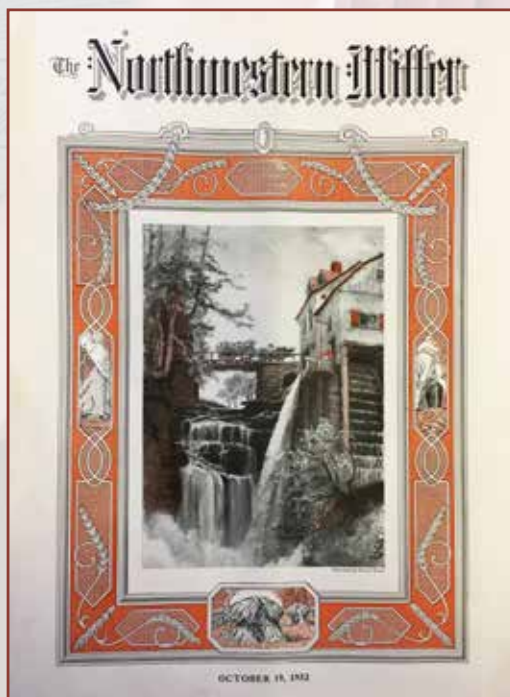
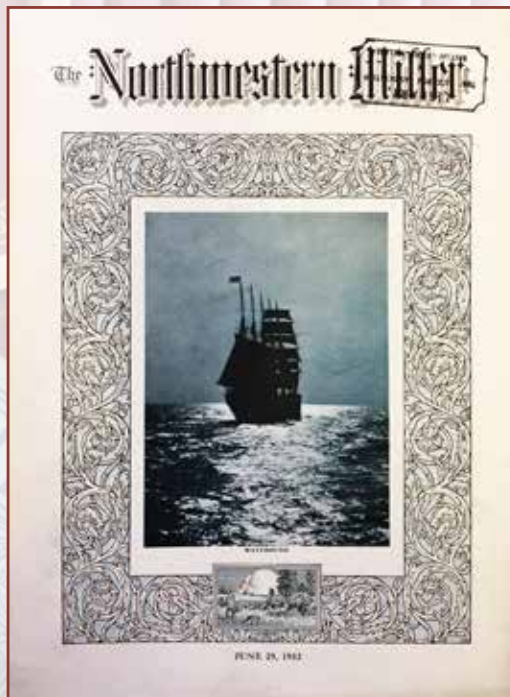
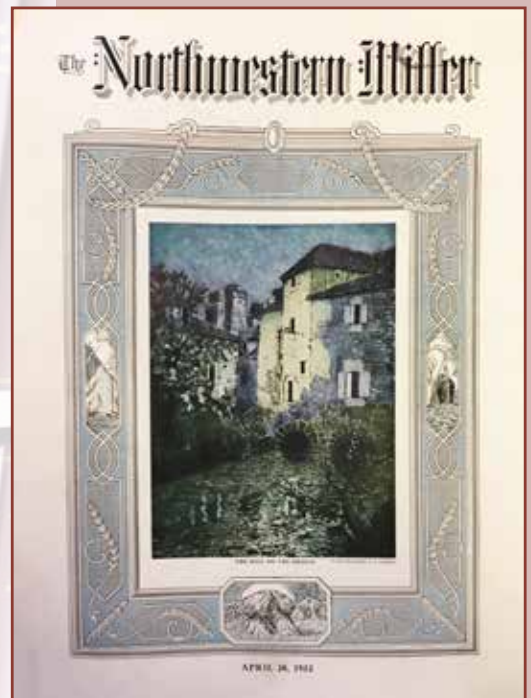
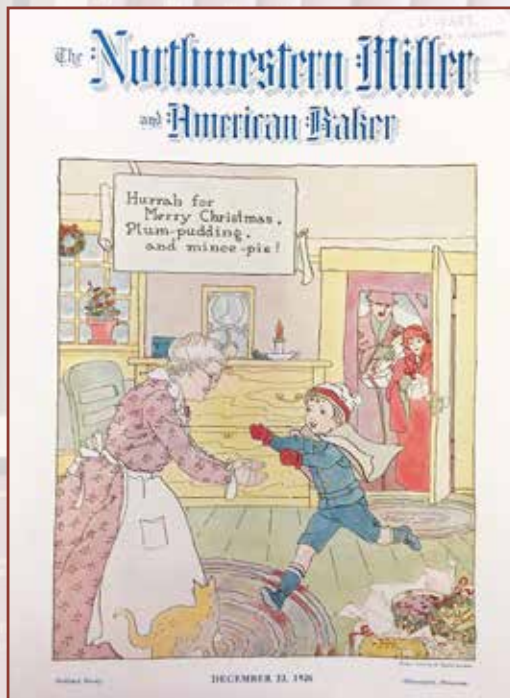
For well over 100 years milling technology has been global with many magazines serving or having served our industry from flour and food to feed and oilseed processing and now to fish feeds.

A most recent contribution to the Trust's collection is a complete century of past edition of the now out-of-print 'North-Western Miller' from the United States.

We are proud to present here, front cover illustrations from this valued and long-serving publication as a visual reminder of the important contribution past magazines provided to our industry.



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We are a charity that saves the world's milling images and documents and makes them freely available for reference. We have more than two million records. We aim to cover the entire history of milling, from its ancient origins up to the present day. Find out what we have and how you can help us grow.

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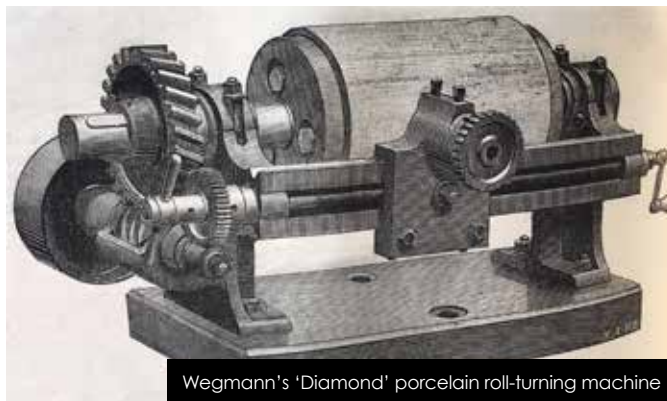


Mills
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noted for its outstanding exhibit by Luther and Ganz, demonstrating a complete model roller mill. 1885 also saw the Paris International Exhibition of the Milling, Baking and Allied Industries. At the entrance was an extensive exhibit on two floors of the famous millstone makers of La Ferté -sous-Jouarre, who also showed their double cylinder cockle machine, a first break two high roller mill, two purifiers, a conical brush machine, a working two horizontal porcelain roller mill, a pair of burr stone rollers and, last but not least, eleven pair of their famous millstones, together with one unusual one, each section formed of a solid piece of burr from face to back. Also, in Paris, Charpentier showed his vertical machine for separating stones from the wheat.

Beyer Frères had their porcelain roller mill on display, and Wegmann showed his centrifugal dressing machine and his "Diamond" porcelain roll turning machine. Other exhibitors included G Kolb, Ganz & Co, AB Childs & Son London, Howes & Ewell New York and M Milliat of Lyons.

Each year many of the well-known names in the milling world were proud to show off their new or latest invention. just as we find today. The holdings at the Mills Archive mean that I can only

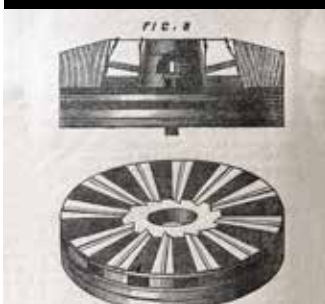


Wegmann's 'Diamond' porcelain roll-turning machine

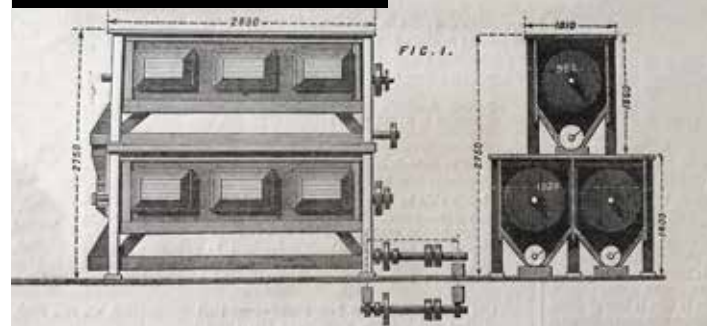


Charpentier's Vertical Machine for Separating Stones from Wheat

The enhanced millstone concept of Pickler and Israel Brothers



Bolting machine by Nagel & Kaemp



provide geographical and historical snapshots.

If you would like to know more, please email me at mills@millsarchive.org

