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Chinese Market Uses Much Low Grade Iron And Steel

Bamboo Steel, One Of The Few "New" Materials, Is A Product Peculiar To The Chinese Trade

leven in the most active perand lods the trade in low-grade scrap iron and steel with China is largely a business in small tonnages except in the case of old plates, cuttings of plates and simihar materials, orders for which will run from a few hundred tons to several thousand, says th "Iron and Coal Trades Review." the

Profits made on the smaller lots are usually meagre. While the demand for wire shorts is perhaps the best sustained of 'any, buying by Chinese merchants in-cludes such other scrap or decludes such other scrap or de-fective materials as har crop-ends, plate cuttings, second-hand plates, used chain, old wrought-iron wasters, tinplato waste wasters, tinplato tinplato scrap. In new materials hamboo steel is the one product peculiar to the Chinese tradg, with galvanised sheets and black sheets by the crate occasionally in active demand.

BAMBOO STEEL

Hamboo steel, a large part of China's requirements of which had been supplied by American makers during the war, was pro-viously supplied under popular hrand names principally by Ger-man mills, which have returned to the Chinese merket as the principal suppliers of this materi-al. While the requisite quality of all the second-hand and defective material purchased is softness, so that it may be the more cusily forged by har.1, bamboo steel ranges from 0.65 to as high as 0.85 percent carbon, and is forged

and tempered for use in cutting tools of various kinds. In testing bamboo steel the practical method is to a great ex-tent substituted for the scientific. No specific carbon content is de-No special carbon content is do-manded as a rule, the quality re-quired bring a clean break of a har from 34 in, to 36 in, long, dropped from the height of a man³ head. The name of this carbon tool steel is taken from the appearance, the manufacturer rolling the bar with joints and lines that give it the resemblance to sections of bamboo. Although the leading American

export interest new ships a small tonnage of bamboo steel to China, the sale of this product under brand names does not seem to have developed among Amer-ican mills to any extent. The reican mills to any extent. The re-turn of Germany to world mar-kets has slowly edged the Amer-

ican product from China, as the market price under keen com-petition has slowly declined. GALVANISED SHEETS

In addition to bamboo steel, China is a purchaser of other new material, including galvanised wire, wire nails, mild-steel bars, black and galvanised gas pipe, galvanised sheets, and some structural material. With the exception of gipe and considerable purchases of sheets, much of the business of today goes to Continental works.

In purchasing galvanised sheets the most popular specification is 48 sheets to a 4%-cwt crate, measuring 3 ft. by 7 ft., with Nos. 38, 33, and 25 gauges; 4 ft. by 7 ft., also popular, in crates of 560 Ibs.

Plain galvanised anised sheets demand, alth are principally in although corrugated material is occasionally purchased. When the sheets are finally disposed of in small lots from the warehouse, they are generally sold by the picul (133-1-3 lbs.). There is also a fair 1-3 lbs.). There is also a market for slove-pipe sheets.

In the Shanghai market quota-tions are generally published on the two most popular brands of galvanised plain sheets, Raven, rolled by the Grovesend Steel and Tinplate Co., Ltd., Gorseinon, Glamorgan, Wales, and the Apollo brand of the American Sheet & Tinplate Co. General classifica-Tinplate Co. General classifica-tions of English and American sheets are also made.

As in Japan, gulvanised sheets are extensively used for roofing purposes and in the construction of side walls of small buildings, for storehouses and similar purnoses.

NAILS AND WIRE SHORTS

When a Chinese merchant in-quires for nails the exporter correctly assumes that he is interest-ed in purchasing countersunk, ed in purchashing chequer-head wire nails of mine gauge. The of Bir-The only only other type of nail consumed any quantity is the cut nail. Countersunk, chequer-head wire nails are used in sizes of 34, 3/2 and 5/8 and 1 in. to 7 in. in the Northern districts of China, supplied by the Shanghat market, and in sizes of %, 7-16, ½ and ½ in. in the Southern districts, supplied through Hongkong and Canton. This difference in specifications between Northern and Southern

This difference in specifications between Northern and Southern China also appears in the method of ordering quantities, the North buying by the 100-th. keg, the South demanding the picul keg of '33-1/3 tha. Since the war the trade in nails, which the American exporter en-joyed during that period and dir-ectly afterwards, has to a great extent disappeared with the re-turn to world markets of Euro-pean steel-producing countries. It is noteworthy, perhaps, that wh'' unke in Japan in 1923 resulted in a rather heavy demand a Chinese stocks of nails, which were the nearest available sup-plies for the devastated distriets in Japan, practically none of the replacement business was received by American works. This turn to European sources of supply since the war is parti-cularly true of structural material purchases, the larger part of which are placed with European works, narticularly. Belgian, at prices lately many dollars a ton below the American delivered price. Of the so-called scond-hand or

defective materials wire shorts, galvanised and plain, are probably in more continuou demand than most of the other products used. A wire short gen-erally consists of a coir of wire eranging up to 40 or 50 ft. or shor, of a standard length. Occasionall: a full standard coil will be in cluded where fhe wire has been found defective. Lots are assort ed, various gauges being include in a single lot, as a rule.

purchase

The most usual assortment of shorts range from Nos. 6 to 16 gauge. Annealed wire shorts are in demand in gauges from Nos. 16 to 25. In wire shorts, unlike most other materials, the bulk of the trade is with the United States, where the mills make mor_e serious efforts to meet the conditions.

The larger part of the Amer-ican exports • is in galvanised rather than plain shorts, the United Kingdom making a very good showing in exports of plain-wire shorts, particularly in the past few years. Shorts are used by the Chinese for a wide range of pur-poses where American manufacturers, working with modern ma-chinery, regard full coils of perfect wire essential for high rates of production. TINPLATE WASTE WASTE

Possibly next to the wire shorts as a material in active demand by the Chinese consumer is tinplane waste waste, which has advanced to a position of relative importance in Far Eastern trade in the past year or two. Tinplate waste waste, of lower grading than tin-plate wasters, but considerably better than tinplate scrap, consists of assorted gauges and sizes of plate ranging from 10 in. by 14 in. to 18 in. by 28 in. and base weights of 70 lbs. to 155 lbs. and heavier, packed as a rule in 200lb. cases.

One of the larger American tin-plate mills estimates that it has available under normal conditions about 200 tons of such miteria. available under normal conditions about 200 tons of such materia, per quarter, and estimates of the annual available tonnago from all timplate mills in the United States vary from 7,000 to \$,000 tons or more annually. TOOLS AND UTENSILS

TOOLS AND UTENSILS TOOLS AND UTENSILS The majority of ' the tools, household utensils and agricul-tural implements used in China, particularly in the interior where life is more primitive, than in the large cities, are hand-forged from scrap, providing a demand by im-porters in Shanghai and other ports, who distribute to the local locksmith or householder. In there small lots of all kinds of scrap and defective iron and steel the prime requisite is suffi-cient softness to permit working by hand. Second-hand plates, hoop ends, and round, square, and

by hand. Second-hand plates plate cuttings, bare - rop ends, hoop ends, and round, square, and centiliard cobbles are popular. From such raw materials the Chinese workman fashions spikes, re, ular. the From such raw materials the Chinese workman fashions spikes, knives, often with an edge of hamboo steel, digging forks, hoes and numerous other tools and utensils. About the only require-ment of a piece of scrap, obvious-iy, is softness, and sufficient area-free from holes or damaging im-perfections to permit its being formed into a tool at a low price. Exporters deal with an import company operated and largely owned by British, American, Ger-man or some nationals other than Chinese. The business, says Mr. George S. Herrick, in an inter-esting article in "The Iron Age," is handled ibreugh foreign and native banks. The foreign banker finances im-ports up to the time the material leaves for the interior buyer, while the Chinese banker finances. deliveries from the time they leave the public wharf until pri-ment has been received from the buyer et such distributing noints as Nanking. Hankow. Kiukiang, Changsha, Ichang and Chungking, ns edge hoc

os Nanking. Hankow. Klukiang, Changsha, Ichang and Chungking,