

UNCLE SAM'S NEW BIG GUNS.

Some of the Striking Features of the Cannon Factory.

POWERFULLY IMPRESSIVE MACHINERY.

Cranes Whose Capacity Has Never Been Tested—The Giant Lathes—Some Death-Dealing Monsters Described.

WASHINGTON, May 1.—[Correspondence of The Bee.]—Making the big guns for the navy and equipping the new cruisers and men-of-war which are being launched now are impressive spectacles.

A more impressive spectacle could not easily be found than to behold a ponderous machine, weighing forty or fifty tons, clasp in its embrace a mass of steel, weighing forty-five tons, twist it about as gently as a feather, and trim it to within one hundred thousandth of an inch of the required thickness.

Even more impressive it is to behold a giant crane handle as a baby would a playing a tremendous gun that could shatter the armored sides of the Doria twirling it in the air and posing it in position as if it were as airy and fragile as a soap bubble.

Very strange, also, it is to witness in your hand a rope sling a conical projectile loaded with explosives enough to smash the tall tower, the Washington monument, into smithereens.

These are but a few examples of the astounding things that any visitor to the Washington navy yard may see for himself now.

It is a pleasure in any of the countries of Europe were to approach a gun factory without an official permit and a properly accredited escort he would be met at the very threshold by a bayonet with a man behind it. In our capital any one who chooses can walk unaccompanied past the sentry at the entrance to the Washington navy yard, and can ramble at will through an establishment which within the last two years has grown to be one of the largest and best equipped of its kind in the world.

He may note every process, he may admire and inquire into the performance of the great machinery, he may narrowly scrutinize everything, from the roughest casting to the huge rifled barrel of a gun, and he will find that the most perfect of the great guns which are being made here are being made with great frequency and with warm hearts.

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lacked firmly on the gun at the point just, for the water turned on the entire jacket at once it is quite as likely that the jacket would shrink away from the tube or shrink unevenly so that it would shrink toward the breech, which is indispensible. When it has properly shrunk at the breech and gradually cooled until it has entirely shrunk on at the tube and has become to all intents and purposes a portion of the tube, these small holes are filled with a resin, literally "of steel." At this stage of its manufacture the original tube of the gun projects far beyond its thick jacket, which would be a most awkward and inconvenient. Successive bands of steel shorter and thinner than the first jacket are each accurately bored and trimmed and slipped over the tube toward the muzzle. These smaller bands are technically called hoops. Over them again hoops are slipped in such a way that each hoop covers the joint between those within it thus locking the whole structure together by successive bands of shrinkage steel, the aggregate compression exerted by these bands upon the inner tube is of course enormous. It needs to be enormous, for when in action the circular chamber surrounded by all this metal will be subjected to a pressure of many thousands of pounds to the square inch.

After all this is done much yet remains to complete the weapon. The tube with its successive hoops being a porous mass, the work is still to be done—what is technically known as the compressing chamber, which is that part of the breech which contains the propellant and the explosive charge must be polished and rounded with the utmost nicety. This is especially true of the inch or two of this chamber just forward of the breech mechanism. An error here of the thickness of a hair might result in the escape of gas, the bursting of a gun, the loss of life and the possible destruction of the ship. The workmen who finish this part of the interior are skilled and trusted. In another part of the shop the mechanism used to close and lock the breech is being made. It is the finest and hardest steel. Its parts are too complicated for anything but a technical description. Their enormous weight and great size do not prevent their having the exactness in every part that characterizes the wheels of the finest watch. The different parts of the breech mechanism are all fitted upon standard guns so that they may be sent when ordered to a cruiser in any part of the world, with the absolute certainty that they will perform their duty.

While this is being done, the great gun itself is receiving its finishing touches. Of these the most delicate and important is the rifling. This is done by means of a spiral groove along the bore of the gun, so as to give the projectile that whirling motion which insures accuracy of flight and a flat trajectory. The rifling is done by a lathe, the barrel of which is turned so that the spiral groove is cut to the exact depth and width required. The rifling is done by a lathe, the barrel of which is turned so that the spiral groove is cut to the exact depth and width required.

One night in 1879 the Court stenographer for the House of Representatives returned from a visit to the states and the road agents limited the coach, recalls a correspondent of the Express Gazette. He was a very small man, and in order to enjoy a talk with the driver had climbed to the seat next to that dignity.

His feet would not reach the footboard of the boot, so to prevent any sudden lurch of the coach from unsettling him, the friendly driver had passed a red string around his chest under

ANNOUNCEMENTS.

Remembering the recent success of Hoyt's latest comedy, "A Texas Steer," here, the patrons of the Boyd who have genuine comedy will be pleased to learn that the piece is to be played again on Thursday by identically the same company as presented it in February. The company is now returning from a tour of the Pacific coast, where the business was phenomenally large. They closed a week's engagement at the Marquand Grand opera house in Portland last Saturday night and open a long run at the Park theatre, Brooklyn, on next Monday evening. Omaha being the only stop the company will make between. The local management is endeavoring to get the "Texas Steer" company here for a matinee performance Thursday afternoon, and if they arrive in time one will be given, which, with the evening performance, will give the patrons of the Boyd a chance of witnessing the great comedy twice again this season.

John L. Sullivan, the great world's champion, is still in Omaha next Saturday in a new role—that of a dramatic actor. For the last seven months John L. has been playing the part of James Daly, the blacksmith in Duncan B. Harrison's sensational drama, "Honest Hearts and Willing Hands," and has attained great proficiency in the part. Mr. Sullivan and company will be at the Boyd for two performances on Saturday next.

The sale of seats for the Willard Spencer comic opera company, which begins an engagement at Boyd's opera house this evening, has been very large and a popular organization will likely repeat their former success here. Mr. Spencer is at present in the city and will in person direct the performance. There are fifty-two people in the company, this season including Miss Tellie Evans, Miss Jennie Goldthwaite, Miss Alice Hosmer, Mr. Will Mandeville, Mr. George Lyndell, Mr. Joseph Mealy and Mr. Arthur Pacific. "The Little Tyecon" engagement will be the event of the present season of the year.

The Little Tyecon company—fifty-two in all—arrived from Denver by special train yesterday.

We desire issues of the MORNING BEE of November 3 and December 2 for our files. Anyone having a copy of either of these numbers will confer a favor on this office by mailing them to Robert Hunter, Bee office.

Resented the Term "Bubby." One night in 1879 the Court stenographer for the House of Representatives returned from a visit to the states and the road agents limited the coach, recalls a correspondent of the Express Gazette.

He was a very small man, and in order to enjoy a talk with the driver had climbed to the seat next to that dignity.

His feet would not reach the footboard of the boot, so to prevent any sudden lurch of the coach from unsettling him, the friendly driver had passed a red string around his chest under

his arms and buckled it at the back of the seat. When the "Halt!" was given the short stenographer was noticed by the robber, who demanded the mail sacks and treasure box or else "box" as we used to call this "Never mind getting down, Bubby"—a favorite expression used when addressing a young boy in the west—"We ain't making war on kids, so you can stay where you are." This offended the dignity of the court official, who resent the remark by answering: "If I had a gun I would show you that I am no kid." "Well, then," was the robber's reply, "if that is so just hand down your watch and money, and be lively about it, too." This demand was quickly complied with, for the glistering barrel of a heavy revolver, in the hands of the road agent, pointed directly at the little fellow's breast, was a powerful persuader. Several months afterwards this watch was the means of convicting one of that gang and sending him to the penitentiary.

Remember that it only requires \$100 cash payment to secure a \$325 lot in Pottery & George Co.'s addition, East Omaha. Abstract to this given with every lot sold. Pottery & George Co., southwest corner 16th and Farnam.

Order of the Canvas Patch. Some queer distinctions were made in the early mining days in California, writes E. G. Wain in the Century. One Sunday, going to the butcher's booth, I found a customer ahead of me, who inquired if he could not have a piece of liver which was hanging on a tree in plain sight.

"Don't know if you can or not," said the butcher.

"I'd like to know why. I've been trading with you all along, and never asked for liver before; but I want some venison now."

"Stand around and let me look at you. No, you can't have any liver."

"Well, why?"

"There ain't enough to go round. I have to have some rule about giving it out, and I have decided that no miner can have a scrap of liver from me unless he wears a canvas patch on the seat of his pants."

The canvas patch was a badge of precedence as well recognized in our camp on the Trinity as the star of the Order of the Garter is in Great Britain.

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The Italian socialists of Canada have issued a call for a demonstration on May 1.

SHIRTS RETAILED WHILE YOU WAIT

It is a well known fact that we never mark goods up. When we advertise anything at a price, that's the price so long as the goods last. We don't sell anything cheap for a day or two, or three, and then raise on the price after that. That may be all right from one point of view, but not from ours. We sometimes advertise an article for say three days; we do this as we think that that time will see them all gone. Should any remain on the fourth day you're welcome to them at the same price, but that seldom occurs. About a month ago we put in stock a large quantity of unlaundried

WHITE SHIRTS

They are not worth fifty cents, but are worth thirty-five to forty. We find that when a man will pay that price he'll invariably go a little more and buy a fifty center. When any article in our stock don't sell as it should, we've got a happy way of making it. We mark 'er down, way down at once. These shirts haven't sold well. To-day we put the whole lot, about a hundred dozen, all in one pile, and you can take your pick for three days

AT 25c EACH.

At the same time we will offer a hundred dozen splendid unlaundried shirts, made of New York Mills muslin, linen bands and bosom, reinforced front and back, worth 75c, at

50 CENTS EACH.

We will also offer in our shirt department, over two hundred dozen, handsome fancy Shirts, in all the new cloths, in Madras, Zephyrs, Penangs, Ducks, Flannels, Outing Cloths, Jerseys, Stockinettes, Silk Mixed and pure Silks; in a handsome line of colors, in all sizes, with nonshrinkable neck bands, with soft or stiff collars and cuffs, "just" as you like 'em" at a range of prices from 35c to \$3.50.

Nebraska Clothing Co.,

Corner Douglas and Fourteenth Streets.

OPENED - TO-DAY - - BARTENDER'S - - COATS - AND - WAITER'S - JACKETS

DOCTOR Mc GREW;

CONTINENTAL.

Special Sale of Boys' Knee Pant Suits.

\$2.00 On account of recent purchases we are enabled this week
\$2.50 to offer the greatest value ever shown in our Children's
\$3.00 department.
3.50

Beginning Monday we will offer several large lines of boys' all wool cheviot suits made in the best manner at the popular prices, \$2.00, \$2.50, \$3.00, \$3.50, less than the actual cost of manufacturing. The sizes are 4 to 14 years. Come early. We guarantee the values; they are just as represented. See samples in our show windows.

BOYS' KNEE PANTS.

50c will be the price this week on boys' all wool cheviot pants, all sizes.
50c will be the price of our finest braids in boys' straw hats, the latest styles.
50c will be the price for boys' hats in fine crush goods, all shades.

Continental Clothing House,

Cor. Douglas and 15th Sts.

THE LARGEST CLOTHING HOUSE WEST OF THE MISSISSIPPI

RADWAY'S
ALWAYS RELIABLE PILLS
PURELY VEGETABLE.

THE GREAT LIVER AND STOMACH REMEDY

Cures all disorders of the Stomach, Liver, Bowels, Kidneys, Bladder, Nervous Diseases, Loss of Appetite, Headache, Constipation, Gout, Indigestion, Bileousness, Fever, Piles, Etc., and renders the system less liable to contract disease.

DYSPEPSIA.

RADWAY'S PILLS are a cure for this complaint. They tone up the internal secretions to healthy action, restore strength to the stomach, and enable it to perform its functions. Price 25c a box. Sold by all druggists, or mailed by RADWAY & CO., 32 Warren Street, New York, on receipt of price.

NO CURE! NO PAY.

Dr. DOWNS

1816 Douglas Street, Omaha, Neb.

Seventeen years experience. A regular graduate in medicine, as diploma show. Is still treating with the greatest success, all Nervous, Chronic and Private Diseases. A permanent cure guaranteed for Catarrh of the Bladder, Gonorrhea, Stricture, Syphilis, Indurated Glands, Scrofula, and all other cases of the Blood, Skin and Urinary Organs. S. R. L. Guarantees cure for every case. Indurated Glands and all other cases. Consultation free. Book "Diseases of Life" sent by mail for 25c. S. R. L. M. D. 1212.

Beet Sugar Enterprise

PUBLISHED MONTHLY. 50 Cents a Year.

Locust and Third St. Grand Island, Neb. Devoted to the development of the beet sugar industry in the United States. Manufacturing sugar from beets, has proven successful both in California and Nebraska. The average per cent of sugar in Nebraska beets is 16.5 per cent. In Germany 12.50. Germany manufactures annually 1,500,000 tons, more than any other country in the world. The U. S. S. R. produces annually 1,000,000 tons of sugar, which at five cents per pound, would amount to \$100,000,000. Shall the U. S. manufacture her own sugar? Seedling, cultivating, harvesting and manufacturing the sugar beet discussed in the Beet Sugar Enterprise. Send stamp for sample copy. Grand Island, Neb.

RELIABLE

Iron & Wire Works

Manufacturers of Iron and Wire Fences, Desk Guards, Improved Awnings, Coal and Saw Sheds, Iron Stairways, Iron Doors and Shutters, Wire Signs, also Brass Work of every description. All kinds of repairing.

217 South 12th Street, Opposite Nebraska National Bank, Omaha.

BONDS WANTED

Total issue of CITIES, COUNTIES, DISTRICTS, and other BONDS, for sale. Apply to N. W. HARRIS & COMPANY, Bankers, 10-12 Dearborn Street, CHICAGO.

Record 214-1 at Lexington, Ky., 24, held by Black Wilkes, farm at Albion, Ky., will make the season of 1901 at 100,000,000, Omaha, Neb. 25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-11