

- tions, 371, 376, 388 sq., 391 sq., 405, 604; matting, diagonal, 215, 222 sq., 386, 395; tamarisk and reed wattle, 379. *See also* timber (*below*).
- timber: and plaster, 159, 162, 213, 215, 222 sq., 225, 234, 237, 278 sq., 377 sq.; and vertical tamarisk rushes, 378, 385 sq.; and wattle, 156, 159, 161, 199, 213, 223, 285, 378, 380, 386, 392, 394 sq., 404 sq., 1242, 1246, 1250 sq., 1262, 1276.
- Toghrak: layers of branches, 572, 718 sq.; posts and tamarisk branches, 1280.
- uncut stones, 1226.
- water-worn stones set in clay, 1320.
- wall-paintings: (Kök-kum-ārish) 129; (Khādalik) 166 sq., 168-88; (Mīrān) 492-511, 514-32, 538-47; (Ch'ien-fo-tung) 794 sq., 809, 928-36; (Hsiao Ch'ien-fo-tung) 1109; (Wan-fo-hsia) 1110 sqq.; (Ara-tam) 1153; ('Ming-oi') 1196, 1213 sqq.; (Khōra) 1224 sq.; (Farhād-Bēg-yailaki) 1252 sq., 1260 sqq.; materials analysed by Sir A. Church, 1390 sq. *See also* frescoes.
- walled enclosures, *see* enclosures.
- walls: orientation of, adapted to wind direction, 371, 376, 386, 388. *See also* An-hsi, Chia-yü kuan, Hāsha, Limes, Lou-lan (remains), So-yang-ch'êng, wall-construction, watch-towers.
- WALTHER, Prof. J., on wheel-tracks in deserts, 657.
- Wan, Little, *see* Hsiao-yüan.
- Wan-fo-hsia, 'Valley of the Myriad Buddhas', 1109; approach to site and situation of grottoes, 1109; protected, by its position, from destructive inroads, 1110, 1114; caves and remains described, 1110 sqq.; time limits for construction of shrines, 1113; sculptures, 1110 sqq.; subjects, &c., of mural paintings, 1111 sqq.; use of stencils in wall-paintings, 1111, 1113; sgraffiti on walls of grottoes, in Chinese, Uigur, &c., 1111 sqq.; stucco relief plaques, possibly votive offerings, 1112.
- Wan-nien canton, *ling* of, 748 n. 31, 757.
- Wan-shan-tzū, defile of, 1139; suitability of site for 'Gate' station, 727, 1099 n. 20, 1139; possible early position of Jade Gate, 727; Han towers at, 1139; Stūpa remains, *ib.*; shrines, *ib.*
- Wan-shan-tzū spur, 583.
- Wan-sui, locality, in Limes docs., 596; prob. adjoins *T'un-hu*, 599.
- Wang, title of local chief of Hāmi, 1151 sq.
- Wang, corporal, in Limes docs., 746, 750, 757.
- Wang-hsiang, border post commandant, 1144.
- Wang K'uei, Chinese envoy, 336.
- Wang Mang, Emperor: troubles with Hsiung-nu, 83, 695, 731; *Huo-ch'üan* coins first introduced by, 453; gives name of *Tun-tē* to Tun-huang, 659, 746 n. 11; name *Hsin* of his dynasty, 670; Western Limes retrenched under, 694. *See also* Chinese coins, Chinese documents.
- Wang Ta-lao-yeh, district magistrate, 579, 586 sq., 608.
- Wang Tao-shih, Buddhist priest at Ch'ien-fo-tung: his restorations and character, 804 sq.; his admiration for Hsüan-tsang, 805, 812 sq.; his restored temple, 801 sqq.; story of his discovery of MS. hoard, 801 sq.; first specimen from find produced, 802; endeavours to gain access to deposit, 802 sq.; negotiations and difficulties with Wang, 803 sq., 812 sq., 823 sqq.; Chinese MS. specimens delivered in secret, 807; hoard of MSS. in walled-up chapel, 807 sqq.; difficulties of searching hoard, 809, 823 sqq.; his low estimation of art relics, 812; history of hidden deposit, 813 sq.; Wang's 'library' cleared out, 822 sq.; impossibility of complete removal, 823; secret removal of 'selections', 813, 824; attempt to secure whole hoard, 824; further acquisitions, 825; subsequent investigations of deposit, 825 sqq.; Wang's good use of money received for MSS., &c., 827 n. 2; MSS. left behind removed to Peking, 829 sq.
- Wang Yen-shih, Chinese official, 413.
- warriors, figures of: frs. of, from stucco relief frieze ('Ming-oi'), 1193, 1209, 1212, 1217; in frescoes, (Mīrān) 520; (Kichik-hassār), 1174; (Tārishlak), 1277, 1283.
- Warsam, hamlet of Jhōpu, 49.
- watch-dogs, on Limes, 752.
- watch-stations, on Limes, named in docs.: *Kuang-wu*, 649; *Kuang-chi*, 754; *K'un-lun*, *ib.*; *Ta-fu*, 691.
- watch-towers: as road-marks on mod. Chinese highways, 1138 n. 5.
- Hsüan-tsang's adventures at, 1144.
- mod. tower near Chên-fan-hsien, 609.
- remains of: (Tangi-tar gorge) 79; (Ying-p'an) 420; (on Hāmi road) 591; (Nan-hu) 611, 617, 625; (near Kuan-tsou) 628; (near Wan-shan-tzū) 727; (on Chia-yü kuan walls) 1119, 1139 sqq.; (near Hāmi) 1151; (Kara-döbe) 1158; (near 'Ming-oi') 1199; (S. of Shikchin) 1199, 1226; (Mazār-tāgh) 1285 sq.; (Kong-tai) 1301; (Chong-tim) 1307; (Arach) 1311 sq.; (Bēl-tāgh) 1312.
- watch-towers of Tun-huang Limes wall: numbering of towers as sighted, 570 n. 7^a; commanding positions and distant visibility of towers, 569 sq., 574, 583 sq., 634; stations placed to secure visibility for signals, 572, 575, 600, 603 sq., 634 sq., 638, 640 sq., 651, 654, 662, 666, 697, 711 sq., 717 sqq., 737; terms used in docs. to designate watch-towers, 749, 753; defensive character of watch-towers, 639 sq., 738; towers guarded by individual companies, 749; officers in charge, 749 sq.; line of towers flanking marsh, 575; distances between watch-towers, 640 sq., 737, 753; watch-towers close to each other on eastern section of Limes, 597; entrenched camp, near T. iv. b, 636 sqq.; last watch-towers of westernmost Limes, 651 sqq.; watch-posts advanced beyond Limes wall, 638, 729; footholds on towers, 571, 651, 654, 738; remains of stairs, 644, 658, 662, 681, 738; guard-rooms on top of towers, 651, 711, 717, 721, 737 sq.; guard-room on Mesa used as watch-tower, 712, 717 sq., 737; remains of quarters, 594 sq., 644 sq., 651, 658, 669, 681, 717, 738 sq.
- T. i (first ruined watch-tower): 567, 634, 639; overlooks old bed of Su-lo Ho, 567, 639; watchmen's quarters, 567. ii: 567, 634, 640, 768. ii. a: failure to discover it, 640. iii: 567 sqq., 656, 768; effect of wind-erosion near, 569, 643; occupation of ground proved, 569. iv. a (westernmost tower): 634. iv. b: 569, 634 sqq.; soldiers' quarters, 636; remains of entrenched camp, 636 sqq. iv. c: 635, 640; purpose of, 635. v.: 570, 641 sq., 769; remains of small quarters near, 641; possible location of *Kuang-wu* at, 649. vi. a: 570, 642-4; identified with *Pu-ch'ang* post, 649. vi. b: 644 sqq., 649 sq., 663, 740, 744, 769 sq.; advantages of its position for *point d'appui*, 644; remains of soldiers' quarters, 644 sq.; prob. date of its abandonment, 647 sq.; *Ling-hu* military company located at, 649; stacks of reed fascines, 650 sq., 678. vi. c: 642, 651 sqq., 770 sq.; well preserved, and built on terrace of natural strength, 651; remains of 'watch-room' and other quarters, 651 sq. vi. d (furthestmost watch-post on terminal flank of Limes): 642, 654 sq., 771; wind-erosion limited, 655; impassable rampart of dunes near, *ib.* vii: 570 sq., 657 sq., 771; access to top of tower, 571; wind-erosion near, 643. viii: 571, 658-61, 771 sqq.; quarters excavated, 658; plaster and whitewash, *ib.*; remains of roofing, 659; misc. fittings of quarters, 660. ix: 570 sqq., 661 sq. ix. a: 662, 1119 n. 3; enclosure, 662; post occupied for short periods, *ib.*; no finds, *ib.* x: 572, 662; water-level near, 665. xi: 573, 667 sq., 773 sq.; rubbish-heaps near, 573; later occupation, 667; prolonged occupation of, 668; marshy depression E. of, 668; water-level, 665, 667; reed fascines at, 678. xii: 573, 629, 679 sq., 774 sq.; intended for police control